Air Conditioners

Technical Data

VRV IV Heat pump for high ambient temperatures

EEDEN17-210

DAIKIN

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Technical Data

VRV

VRV IV Heat pump for high ambient temperatures

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VRV IV heat pump for high ambient temperatures

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III Indoor units

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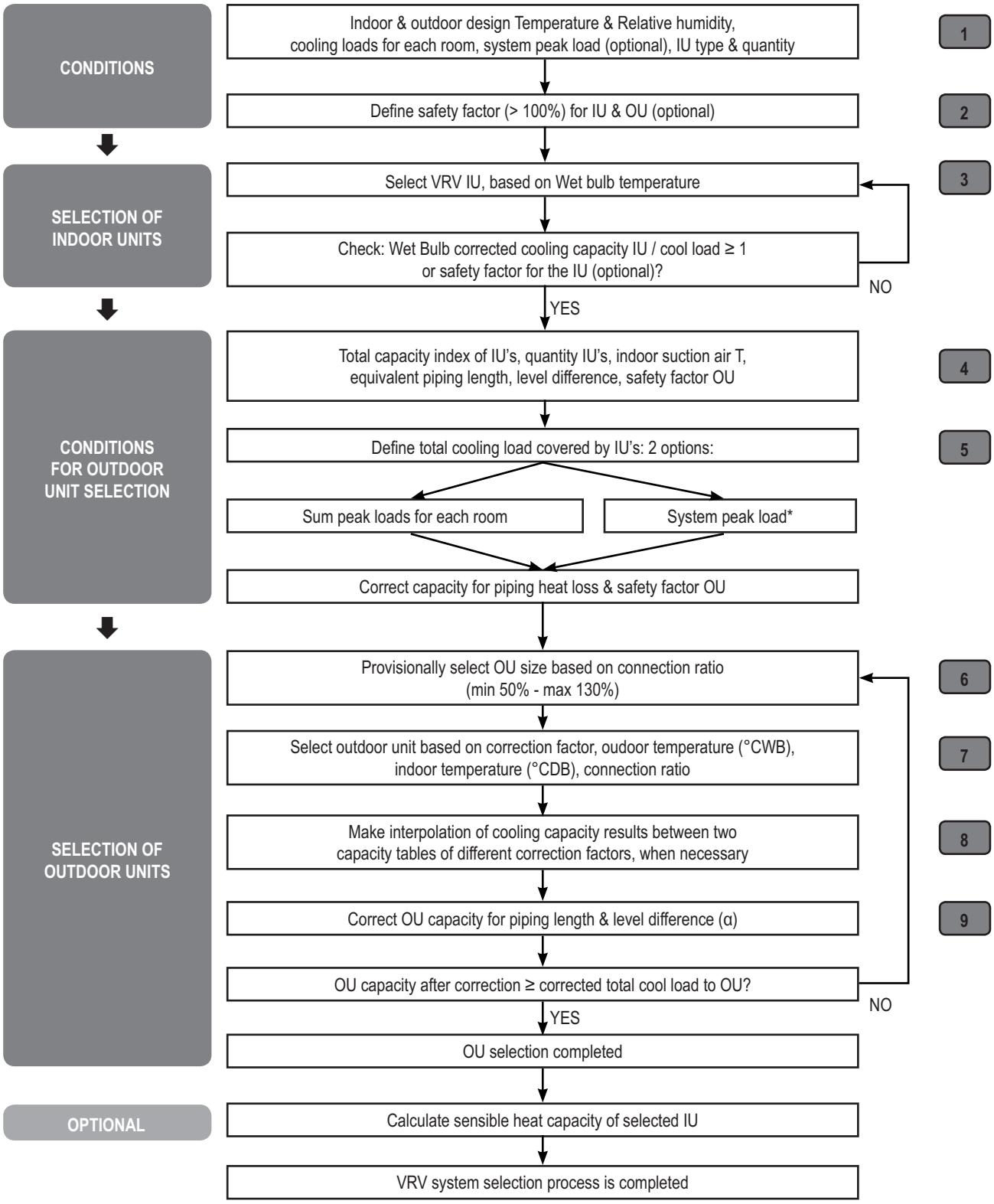
1 Selection procedure in cooling mode

1 - 1 Flowchart



* System peak load = maximum load which has to be covered at the same time by all indoor units which are connected to the same outdoor unit

1 Selection procedure in cooling mode

1 - 2 Step by step

1 - 2 - 1 Design conditions:

To start designing a VRV system in cooling mode, following information is needed:

- Indoor conditions: Wet bulb temperature (°CWB) & Dry bulb temperature (°CDB)
- Cooling loads per room: total cooling load, sensible cooling load (optional)
- Outdoor conditions: Dry bulb temperature (°CDB)
- System peak load: the maximum total cooling load that occurs at a certain moment of the day that has to be covered by all indoor units connected to a same outdoor unit system

  System peak load Þ sum of peak loads

  Sum of peak loads = the sum of all individual peak loads of every indoor unit/room at its own peak of the day. Depending on the sun positioning and the orientation of the room. A room oriented to the east probably has its peak load in the morning, while a room oriented at the west has its peak load in the afternoon.

1 - 2 - 2 Safety factor:

Optionally it is possible to increase the calculated cooling loads by a certain factor (>1) to have extra safety when selecting indoor unit size & outdoor unit size

1 - 2 - 3 Selection of indoor unit

Select indoor unit based on total cooling load at design indoor wet bulb temperature (°CWB) & nominal outdoor dry bulb temperature (35°CDB)

1 - 2 - 4 Check cooling load

Check if the cooling capacity of the indoor unit is bigger than the cooling load.

1 - 2 - 5 Conditions for outdoor unit selection:

Following data is needed to select correct outdoor unit system:

- Total capacity index[1] of indoor units (= sum of capacity indexes of all indoor units)
- Total number of connected indoor units
- Indoor suction air temperature (°CWB/°CDB) & design outdoor temperature (°CDB)
- Equivalent piping length between furthest indoor unit and outdoor unit
- Level difference between indoor units & outdoor unit

1 - 2 - 6 Define cooling capacity to be given by outdoor unit system:

Step 1: Define Total cooling load to be absorbed by connected indoor units: two options:

- Sum of peak loads for each room
- System peak load

Step 2: Correct total cooling load indoor units by piping heat loss factor & (optional) safety factor outdoor unit

Cooling capacity to be given by outdoor unit system = total cooling load x (1 + heat loss factor x actual pipe run) x safety factor

Heat loss factor is function of design outdoor temperature (see below table)

Design outdoor temperature (°CDB)	Piping heat loss factor (%/m)
< 10	0%
15	0.004%
20	0.009%
25	0.014%
30	0.022%
35	0.030%
40	0.038%

NOTE

The table above for the cooling correction factors consist of limitation temperatures. If the ambient temperatures are outside the range in the table, the closest temperature needs to be considered.

1 - 2 - 7 Selection of outdoor unit

Provisionally select an outdoor unit, based on the Indoor design temperature (°CWB), outdoor temperature (°CDB) and connection ratio (between 50% - 130%). See cooling capacity table of selected outdoor unit in ED.

1 Selection procedure in cooling mode

1 - 2 Step by step

1 - 2 - 8 Correct outdoor unit capacity for piping losses

- Check if maximum number of indoor units and connection ratio is within limiations
-
- Capacity of the outdoor unit needs to be corrected for losses of the refrigerant piping length & height difference between indoor and outdoor unit.
  ➔ See capacity correction ratio graph in ED
- Check if the available capacity is still bigger than the cooling capacity to be given by the outdoor system
- Outdoor unit size is selected.

NOTE

In the VRV selection software, the heat loss correction factor is applied to the outdoor unit and not to the requested capacity. This is because the requested capacity is known by the user and is needed to be filled in. It would be strange to see another figures being used in the calculations than the one put in in the system.

Calculation of LT hydrobox:

LT hydrobox is considered as a VRV indoor to calculate required cooling capacity. Refer to ED for more info on connectable VRV outdoor units and which indoor units can be combined in the same system.

1 - 2 - 9 Sensible heat capacity

Sensible capacity is the capacity required to lower the temperature and latent capacity is the capacity to remove the moisture from the air. The sensible heat can influence selection in case of really humid area's (gym), or dry room (computer rooms).

When sensible capacity is larger than normal, bigger IU need to be selected to be able to reach the full required capacity.

1 - 3 Example

1 - 3 - 1 Design conditions

- Determine indoor / outdoor design temperature

DESIGN CONDITION		
Indoor On Coil (Cooling)	*24,4*	*CDB*
	17,2	*CWB*
Outdoor	*46*	*CDB*

- Determine room peak loads (and if possible, system peak loads = optional)

Design loads in kW (total cooling capacity)

Name	ROOM	TYPE	Required Load
			kW
FCU-1	A	DUCTED	4,5
FCU-2	B	DUCTED	4,5
FCU-3	C	DUCTED	9
FCU-4	D	DUCTED	9

Required cooling capacity towards the outdoor unit: 27.0kW.

1 - 3 - 2 Safety factor

In this example, safety factor is not used.

1 - 3 - 3 Selection of indoor unit

Name	ROOM	Required Load	Unit Size	Capacity
		kW		kW
FCU-1	A	4,5	FXSQ50	4,9
FCU-2	B	4,5	FXSQ50	4,9
FCU-3	C	9	FXSQ100	9,9
FCU-4	D	9	FXSQ100	9,9

NOTE

The new selection method, for the indoor unit selection, does not take into account the outdoor temperature. Therefore take the rated outdoor temperatures when looking up in the indoor unit capacity table (35°CDB for cooling, 7°CDB for heating)

1 Selection procedure in cooling mode

1 - 3 Example

1 - 3 - 4 Conditions for outdoor unit selection:

Assume that the indoor and Outdoor Unit combination is as follows

Outdoor Unit - **RXYTQ12T**

Indoor Unit - FXSQ50X2, FXSQ100X2

Indoor Unit Combination total capacity index

50X2 + 100X2 = 300
Total Capacity Index Will Be = 300/(25*12) **100%**

1 - 3 - 5 Actual performance data:

Outdoor Unit Cooling Capacity: 27.1Kw (RXYTQ12T -100%)

Individual Capacity Capacity of FXSQ50 = 27.1*(50/300) = **4.516**

Capacity of FXSQ100 = 27.1*(100/300) = **9.03**

1 - 3 - 6 Actual combination capacity

Name	ROOM	Required Load	UNIT SIZE	CAPACITY
		kW		kW
FCU-1	A	4,5	50	4,516
FCU-2	B	4,5	50	4,516
FCU-3	C	9	100	9,03
FCU-4	D	9	100	9,03

The Above selection meets the required load

NOTE

For other Accessories, please refer the Accessories Page

2 Limitations on the number of indoor units connectable to a central controller

In case VRV outdoor units are connected to VRV indoor units, BP-boxes and RA indoor units, the communication is higher than for normal VRV systems. Therefore the number of connectable units to a central controller is limited. In table below an overview is given showing the different connection possibilities for the number of residential and VRV indoor units depending on the number of outdoor systems.

Maximum connection Q'ty (Outdoor and indoor)

Total outdoor unit Q'ty: 10	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	79	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	14	30	47	63	79	95	111	128
Total outdoor unit Q'ty	10	10	10	10	10	10	10	10	10

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 9	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	81	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	17	33	48	64	80	96	112	128
Total outdoor unit Q'ty	9	9	9	9	9	9	9	9	9

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 8	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	82	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	18	34	49	65	81	96	112	128
Total outdoor unit Q'ty	8	8	8	8	8	8	8	8	8

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 7	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	84	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	21	36	51	67	82	97	112	128
Total outdoor unit Q'ty	7	7	7	7	7	7	7	7	7

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 6	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	86	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	23	38	53	68	83	98	113	128
Total outdoor unit Q'ty	6	6	6	6	6	6	6	6	6

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 5	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	88	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	26	40	55	69	84	98	113	128
Total outdoor unit Q'ty	5	5	5	5	5	5	5	5	5

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 4	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	89	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	27	41	56	70	84	99	113	128
Total outdoor unit Q'ty	4	4	4	4	4	4	4	4	4

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 3	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	91	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	29	43	57	71	85	99	113	128
Total outdoor unit Q'ty	3	3	3	3	3	3	3	3	3

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 2	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	93	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	31	45	59	72	86	100	114	128
Total outdoor unit Q'ty	2	2	2	2	2	2	2	2	2

❊: BPMK Q'ty can be ignored.

2 Limitations on the number of indoor units connectable to a central controller

Example:

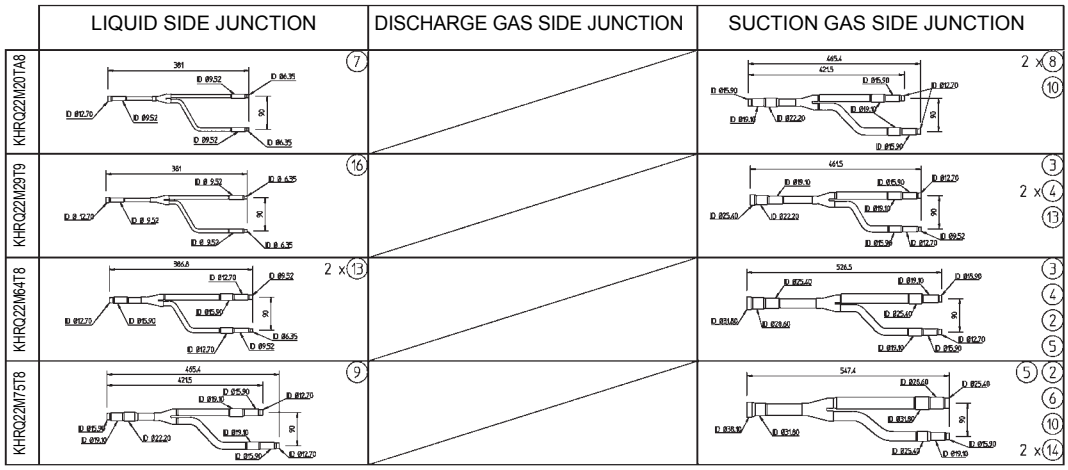
When 3 outdoor units are connected to a central controller, it is possible to connect:

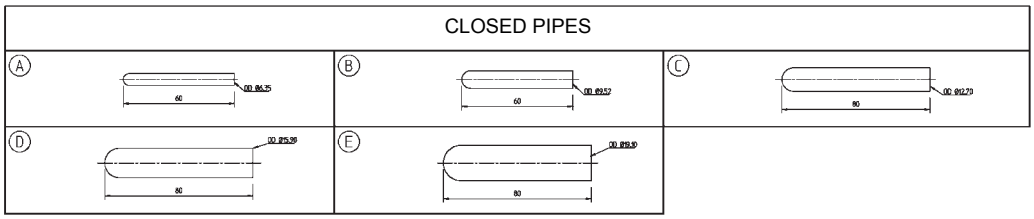
- 70 Sky Air or residential indoor units and 29 VRV indoor units
- OR 60 Sky Air or residential indoor units and 43 VRV indoor units
- OR 50 Sky Air or residential indoor units and 57 VRV indoor units
- …

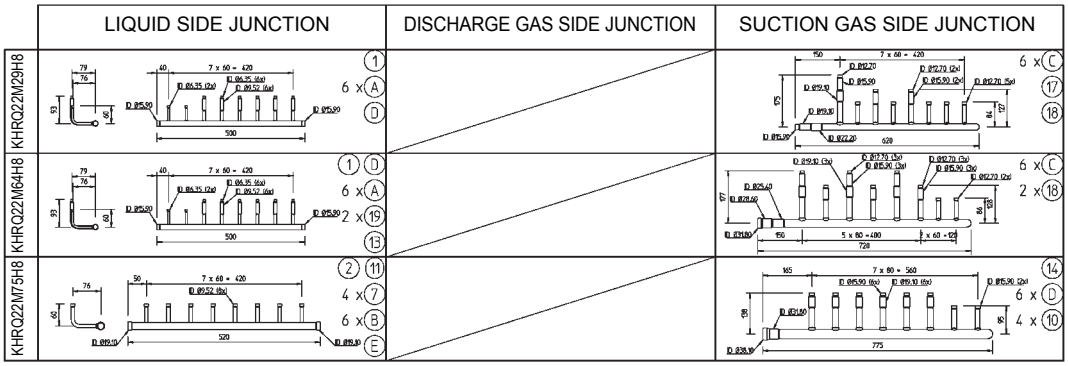
It is possible to interpolate between the different examples, but you always have to round down. For example if you want to connect 3 outdoor units and 65 Sky Air or residential indoor units to a central controller, you can connect 36 VRV indoor units (29 + (70-65)/(70-60) x (43 - 29) = 36).

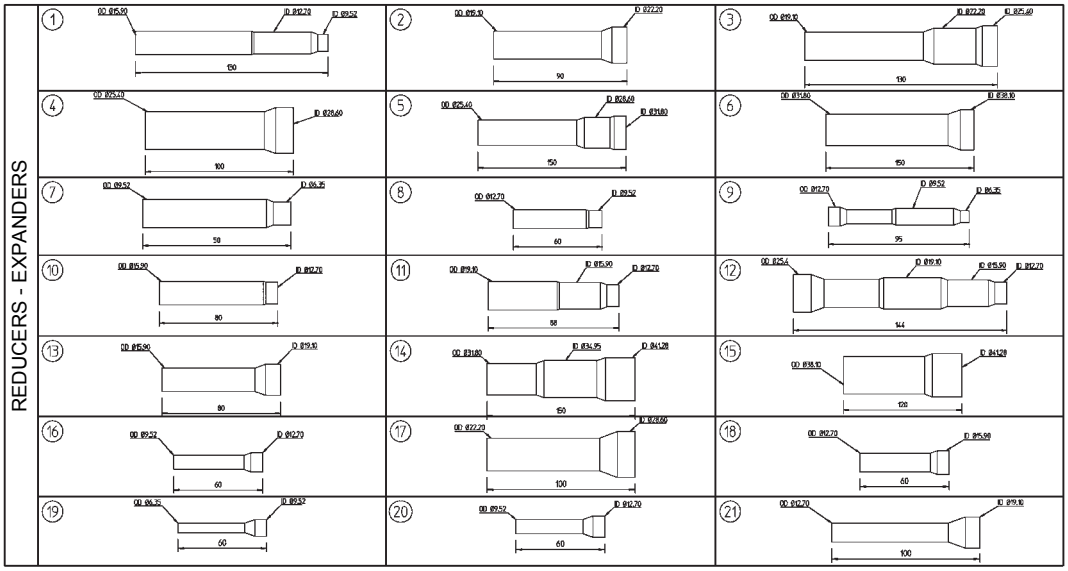
3 Refnet pipe systems

3 - 1 Refnet pipe systems









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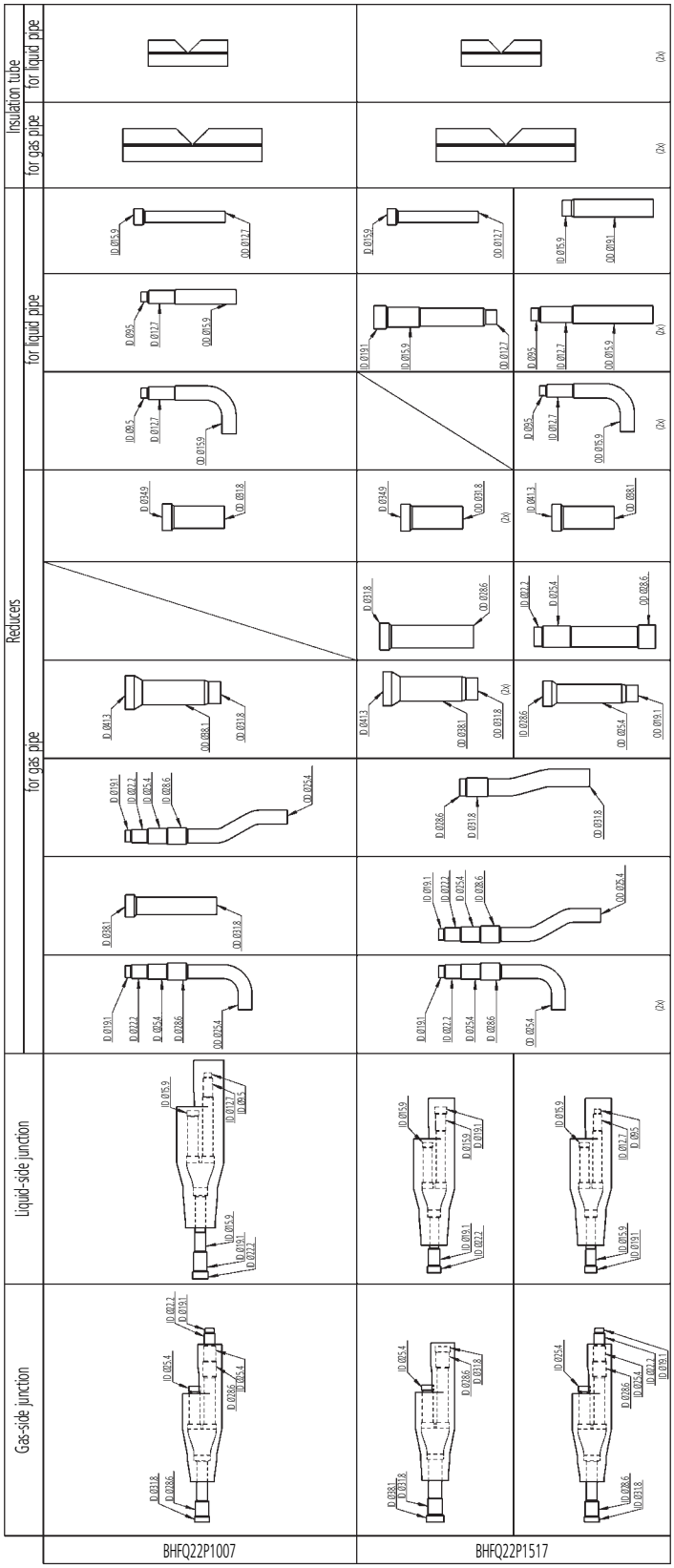
3 Refnet pipe systems

3 - 1 Refnet pipe systems



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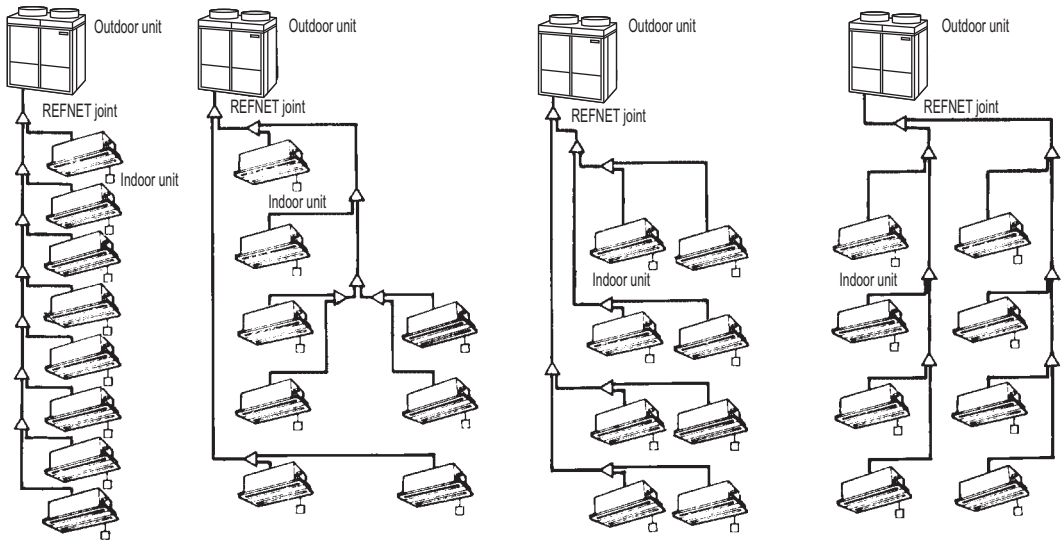
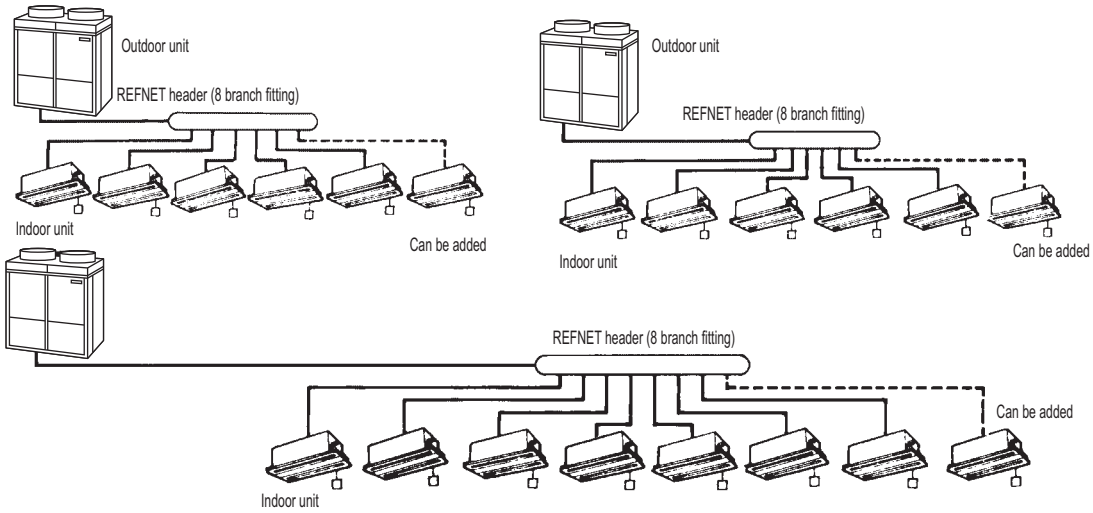
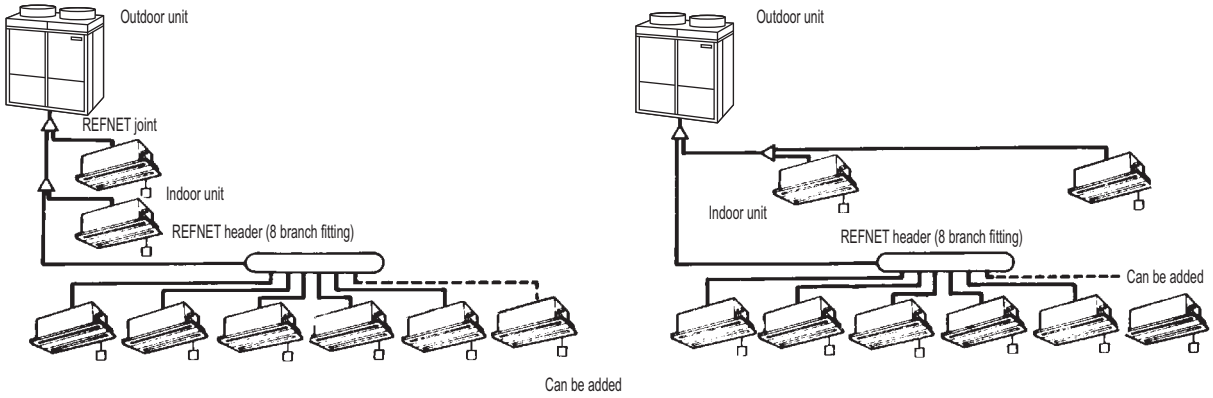
3 Refnet pipe systems

3 - 1 Refnet piping layouts

Type of fitting	Sample systems
Distribution by REFNET joints	
Distribution by REFNET header	
Distribution by REFNET joints and headers	

3 Refnet pipe systems

3 - 2 Piping thickness

Piping diameter	Material	Minimum thickness [mm]
Ø 6.4	O	0.8
Ø 9.5	O	0.8
Ø 12.7	O	0.8
Ø 15.9	O	0.99
Ø 19.1	1/2H	0.8
Ø 22.2	1/2H	0.8
Ø 25.4	1/2H	0.88
Ø 28.6	1/2H	0.99
Ø 31.8	1/2H	1.10
Ø 34.9	1/2H	1.21
Ø 38.1	1/2H	1.32
Ø 41.3	1/2H	1.43

O annealed

1/2H half-hard

For half hard pipes the maximum allowed tensile stress is 61 N/mm^2. For this reason the 0.2% proof strength of the half hard pipe shall be minimum 61 N/mm^2.

The bending radius is more than or equal to 3 times the diameter of the pipe.

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Material Name RXYTQ-TYF is equivalent to the full product name as per the product nomenclature: RXYTQ-T7YF

1 Features

Daikin's solution for comfort & low energy consumption

- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation and air handling units
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator,
- 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- Customize your VRV for best seasonal efficiency & comfort with the weather dependant Variable Refrigerant Temperature function. Increased seasonal efficiency with up to 28%. No more cold draft by supply of high outblow temperatures
- VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- Fits any building as also indoor installation is possible as a result of high external static pressure of up to 78.4 Pa. Indoor installation leads to less piping length, lower installation costs, increased efficiency and better visual aesthetics
- Simplified installation & guaranteed optimal efficiency with automatic charging & testing
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Spread your installation cost by phased installation
- Keep your system in top condition via our intelligent network service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage

Inverter

2 Specifications

2-1 Technical Specifications					RXYTQ8TYF	RXYTQ10TYF	RXYTQ12TYF	RXYTQ14TYF	RXYTQ16TYF
Capacity range				HP	8	10	12	14	16
Cooling capacity	Nom.	35°C AHRI		kW	22.4 (1)	28.0 (1)	33.5 (1)	40.0 (1)	45.0 (1)
				Btu/h	76,450 (1)	95,550 (1)	114,350 (1)	136,500 (1)	153,550 (1)
		35°CDB		kW	-				
		46°C AHRI		kW	20.2 (2)	25.2 (2)	28.5 (2)	32.0 (2)	35.1 (2)
				Btu/h	68,950 (2)	86,000 (2)	97,250 (2)	109,200 (2)	119,800 (2)
		48°C AHRI		kW	16.8 (3)	22.4 (3)	24.0 (3)	25.1 (3)	28.4 (3)
				Btu/h	57,350 (3)	76,450 (3)	81,900 (3)	85,650 (3)	96,950 (3)
		Eurovent		kW	22.4 (4)	28.0 (4)	33.5 (4)	40.0 (4)	45.0 (4)
				Btu/h	76,450 (4)	95,550.0 (4)	114,350.0 (4)	136,500.0 (4)	153,550.0 (4)
Heating capacity	Nom.	6°CWB		kW	22.4 (5)	28.0 (5)	33.5 (5)	40.0 (5)	45.0 (5)
				Btu/h	76,450 (5)	95,550 (5)	114,350 (5)	136,500 (5)	153,550 (5)
	Max.	6°CWB		kW	25.0 (5)	31.5 (5)	37.5 (5)	45.0 (5)	50.0 (5)
				Btu/h	85,350 (5)	107,500 (5)	128,000 (5)	153,550 (5)	170,650 (5)
Power input - 50Hz	Cooling	Nom.	35°CDB	kW	6.33 (1)	7.47 (1)	9.68 (1)	12.4 (1)	14.0 (1)
			46°C AHRI	kW	7.43 (2)	8.69 (2)	10.0 (2)	11.6 (2)	13.0 (2)
			48°C AHRI	kW	6.22 (3)	8.27 (3)	8.89 (3)	9.16 (3)	10.4 (3)
			Eurovent	kW	5.70 (4)	6.71 (4)	9.01 (4)	12.0 (4)	13.8 (4)
	Heating	Nom.	6°CWB	kW	5.20 (5)	6.67 (5)	8.54 (5)	9.98 (5)	11.70 (5)
		Max.	6°CWB	kW	6.47 (5)	8.44 (5)	10.7 (5)	12.6 (5)	14.5 (5)
Power input - 60Hz	Cooling	Nom.	35°C AHRI	kW	6.33 (1)	7.47 (1)	9.68 (1)	12.4 (1)	14.00 (1)
			46°C AHRI	kW	7.43 (2)	8.69 (2)	10.0 (2)	11.6 (2)	13.0 (2)
			48°C AHRI	kW	6.22 (3)	8.27 (3)	8.89 (3)	9.16 (3)	10.4 (3)
			Eurovent	kW	5.70 (4)	6.71 (4)	9.01 (4)	12.0 (4)	13.8 (4)
	Heating	Nom.	6°CWB	kW	5.20 (5)	6.67 (5)	8.54 (5)	9.98 (5)	11.70 (5)
		Max.	6°CWB	kW	6.47 (5)	8.44 (5)	10.7 (5)	12.6 (5)	14.5 (5)
Capacity control	Method				Inverter controlled				
EER at nom. capacity	35°C AHRI			Btu/h	12.1 (1)	12.8 (1)	11.8 (1)	11.0 (1)	
				kW/kW	3.54 (1)	3.75 (1)	3.46 (1)	3.23 (1)	3.22 (1)
	35°CDB			Btu/h	-	9.25 (3)	9.21 (3)	9.35 (3)	9.28 (3)
				kW/kW	-				
	46°C AHRI			Btu/h	2.72 (2)	9.90 (2)	9.72 (2)	9.45 (2)	9.18 (2)
				kW/kW	9.28 (2)	2.90 (2)	2.85 (2)	2.77 (2)	2.69 (2)
	48°C AHRI			Btu/h	9.21 (3)	2.71 (3)	2.70 (3)	2.74 (3)	2.72 (3)
				kW/kW	2.70 (3)	-			
	Eurovent			Btu/h	13.40 (4)	14.2 (4)	12.7 (4)	11.4 (4)	11.1 (4)
				kW/kW	3.93 (4)	4.17 (4)	3.72 (4)	3.34 (4)	3.25 (4)
COP at nom. capacity	6°CWB			Btu/h	14.7 (5)	14.3 (5)	13.4 (5)	13.7 (5)	13.1 (5)
				kW/kW	4.31 (5)	4.20 (5)	3.92 (5)	4.01 (5)	3.83 (5)
COP at max. capacity	6°CWB			Btu/h	13.2 (5)	12.7 (5)	12.0 (5)	12.2 (5)	11.8 (5)
				kW/kW	3.86 (5)	3.73 (5)	3.50 (5)	3.56 (5)	3.45 (5)
Maximum number of connectable indoor units					64 (6)				
Indoor index connection	Min.				100	125	150	175	200
	Nom.				200	250	300	350	400
	Max.				260	325	390	455	520
Dimensions	Unit	Height		mm	1,685				
		Width		mm	930	1,240			
		Depth		mm	765				
	Packed unit	Height		mm	1,820				
		Width		mm	995	1,305			
		Depth		mm	860				
Weight	Unit			kg	182	236		298	
	Packed unit			kg	199	253		315	

2 Specifications

2-1 Technical Specifications					RXYTQ8TYF	RXYTQ10TYF	RXYTQ12TYF	RXYTQ14TYF	RXYTQ16TYF
Packing	Material				Carton				
	Weight			kg	2.00	3.00			
Packing 2	Material				Wood				
	Weight			kg	17.00	18.50			
Packing 3	Material				Plastic				
	Weight			kg	0.50				
Casing	Colour				Daikin White				
	Material				Painted galvanized steel plate				
Heat exchanger	Type				Cross fin coil				
	Fin	Treatment			Anti-corrosion treatment				
Compressor	Quantity				1			2	
	Type				Hermetically sealed scroll compressor				
	Crankcase heater			W	33				
Fan	Quantity				1	2			
	Air flow rate	Cooling	Nom.	l/sec	2,700	3,716.67		4,333.33	
				cfm	5,721	7,875		9,182	
	External static pressure	Max.		Pa	78				
	Discharge direction				Vertical				
	Type				Propeller fan				
Fan motor	Quantity				1	2			
	Output			W	750				
	Model				Brushless DC motor				
Sound power level	Cooling	Nom.		dBA	78 (7)	81 (7)		86 (7)	
Sound pressure level	Cooling	Nom.		dBA	58 (8)	61 (8)		64 (8)	
Operation range	Cooling	Min.~Max.		°CDB	-5~52				
	Heating	Min.~Max.		°CWB	-20~15.5				
Refrigerant	Type				R-410A				
	GWP				2,087.5				
	Charge			TCO_2eq	14.0	21.5	21.7	24.4	24.6
				kg	6.7	10.3	10.4	11.7	11.8
Refrigerant oil	Type				Synthetic (ether) oil				
	Charged volume			l	1.5	1.7	2.1	2.9	3.2
Piping connections	Liquid	Type			Braze connection				
		OD		mm	9.52		12.7		
	Gas	Type			Braze connection				
		OD		mm	19.1	22.2	28.6		
	Total piping length	System	Actual	m	1,000 (For more details refer to refrigerant pipe selection chapter)				
	Heat insulation				Both liquid and gas pipes				
Defrost method					Reversed cycle				
Safety devices	Item	01			High pressure switch				
		02			Fan driver overload protector				
		03			Inverter overload protector				
		04			PC board fuse				
		05			ELCB				

Standard Accessories : Installation and operation manual;

Standard Accessories : Connection pipes;

2 Specifications

2-2 Electrical Specifications				RXYTQ8TYF	RXYTQ10TYF	RXYTQ12TYF	RXYTQ14TYF	RXYTQ16TYF
Power supply	Name			Y1				
	Phase			3N~				
	Frequency		Hz	50/60				
	Voltage		V	380-415/400				
Voltage range	Min.		%	-10				
	Max.		%	10				
Current	Nominal running current (RLA) - 50Hz	Cooling	A	8.0 (9)	9.3 (9)	12.7 (9)	15.8 (9)	19.3 (9)
	Nominal running current (RLA) - 60Hz	Cooling	A	8.0 (9)	9.3 (9)	12.7 (9)	15.8 (9)	19.3 (9)
Current - 50Hz	Minimum circuit amps (MCA)		A	16.1	22.0	24.0	27.0	31.0
	Maximum fuse amps (MFA)		A	20	25	32		40
	Total overcurrent amps (TOCA)		A	17.3 (10)	28.0 (10)		35.4 (10)	
	Full load amps (FLA)	Total	A	1.2	1.8		2.6	
Current - 60Hz	Minimum circuit amps (MCA)		A	16.1	22.0	24.0	27.0	31.0
	Maximum fuse amps (MFA)		A	20	25	32		40
	Total overcurrent amps (TOCA)		A	17.3 (10)	28.0 (10)		35.4 (10)	
	Full load amps (FLA)	Total	A	1.2	1.8		2.6	
Wiring connections - 50Hz	For power supply	Quantity		5G				
	For connection with indoor	Quantity		2				
		Remark		F1,F2				
Wiring connections - 60Hz	For power supply	Quantity		5G				
	For connection with indoor	Quantity		2				
		Remark		F1,F2				
Power supply intake				Indoor and outdoor units separately				

Notes

(1) Cooling: T1: indoor temp. 26,7°CDB, 19,4°CWB, outdoor temp. 35°CB, AHRI 1230:2010, power input indoor units (duct type) included

(2) Cooling: T3: indoor temp. 29,0°CDB, 19,0°CWB, outdoor temp. 46°CB, ISO15042:2011, power input indoor units (duct type) included

(3) Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CB, AHRI 1230:2010, power input indoor units (duct type) included

(4) Cooling: Eurovent: indoor temperature: 27,0°CDB, 19,0°CWB, outdoor temperature: 35°CDB, Eurovent 2015, power input indoor units (duct type) excluded

(5) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB, Eurovent 2015, equivalent refrigerant piping: 5m, level difference: 0m

(6) Actual number of units depends on the indoor unit type (VRV DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤ 130%).

(7) Sound power level is an absolute value that a sound source generates.

(8) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.

(9) RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB

(10) TOCA means the total value of each OC set.

Sound values are measured in a semi-anechoic room.

For more details on standard accessories refer to Installation/operation manual

MSC means the maximum current during start up of the compressor. VRV IV uses only inverter compressors. Starting current is always ≤ max. running current.

MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current.

MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).

FLA means the nominal running current of the fan

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

Contains fluorinated greenhouse gases

Soundpressure and soundpower for multi units can be calculated, following below instructions.

Sound values are theoretical values based on sound results of individual installed units. Possible deviations due to variety of installation patterns are not taken into account.

Soundpressure system [dBA] = 10*log[10^(A/10)+10^(B/10)+10^(C/10)] , with Unit A = A dBA, Unit B = B dBA, Unit C = C dBA

For compressor model number refer to spare parts list

2 Specifications

2-3 Technical Specifications					RXYTQ18TYF	RXYTQ20TYF	RXYTQ22TYF	RXYTQ24TYF	RXYTQ26TYF	RXYTQ28TYF	RXYTQ30TYF	RXYTQ32TYF
System	Outdoor unit module 1				RXYTQ8TYF		RXYTQ10TYF	RXYTQ8TYF	RXYTQ12TYF		RXYTQ14TYF	RXYTQ16TYF
	Outdoor unit module 2				RXYTQ10TYF	RXYTQ12TYF		RXYTQ16TYF	RXYTQ14TYF	RXYTQ16TYF		
Capacity range				HP	18	20	22	24	26	28	30	32
Cooling capacity	Nom.	35°C AHRI		kW	50.4 (1)	55.9 (1)	61.5 (1)	67.4 (1)	73.5 (1)	78.5 (1)	85.0 (1)	90.0 (1)
				Btu/h	172,000 (1)	190,800 (1)	209,900 (1)	230,000 (1)	250,850 (1)	267,900 (1)	290,050 (1)	307,100 (1)
		35°CDB		kW	-							
		46°C AHRI		kW	45.4 (2)	48.7 (2)	53.7 (2)	55.3 (2)	60.5 (2)	63.6 (2)	67.1 (2)	70.2 (2)
				Btu/h	154,950 (2)	166,200 (2)	183,250 (2)	188,750 (2)	206,450 (2)	217,050 (2)	229,000 (2)	239,600 (2)
		48°C AHRI		kW	39.2 (3)	40.8 (3)	46.4 (3)	45.2 (3)	49.1 (3)	52.4 (3)	53.5 (3)	56.8 (3)
				Btu/h	133,800 (3)	139,250 (3)	158,350 (3)	154,300 (3)	167,550 (3)	178,850 (3)	182,600 (3)	193,900 (3)
Heating capacity	Nom.	6°CWB		kW	50.4 (4)	55.9 (4)	61.5 (4)	67.4 (4)	73.5 (4)	78.5 (4)	85.0 (4)	90.0 (4)
				Btu/h	172,000 (4)	190,800 (4)	209,900 (4)	230,000 (4)	250,850 (4)	267,900 (4)	290,050 (4)	307,100 (4)
	Max.	6°CWB		kW	56.5 (4)	62.5 (4)	69.0 (4)	75.0 (4)	82.5 (4)	87.5 (4)	95.0 (4)	100.0 (4)
				Btu/h	192,850 (4)	213,350 (4)	235,500 (4)	256,000 (4)	281,550 (4)	298,650 (4)	324,200 (4)	341,300 (4)
Power input - 50Hz	Cooling	Nom.	35°CDB	kW	13.80 (1)	16.01 (1)	17.15 (1)	20.33 (1)	22.08 (1)	23.68 (1)	26.40 (1)	28.00 (1)
			46°C AHRI	kW	16.12 (2)	17.43 (2)	18.69 (2)	20.43 (2)	21.60 (2)	23.00 (2)	24.60 (2)	26.00 (2)
			48°C AHRI	kW	14.49 (3)	15.11 (3)	17.16 (3)	16.62 (3)	18.05 (3)	19.29 (3)	19.56 (3)	20.80 (3)
	Heating	Nom.	6°CWB	kW	11.87 (4)	13.74 (4)	15.21 (4)	16.90 (4)	18.52 (4)	20.24 (4)	21.68 (4)	23.40 (4)
		Max.	6°CWB	kW	14.91 (4)	17.17 (4)	19.14 (4)	20.97 (4)	23.30 (4)	25.20 (4)	27.10 (4)	29.00 (4)
Power input - 60Hz	Cooling	Nom.	35°C AHRI	kW	13.80 (1)	16.01 (1)	17.15 (1)	20.33 (1)	22.08 (1)	23.68 (1)	26.40 (1)	28.00 (1)
			46°C AHRI	kW	16.12 (2)	17.43 (2)	18.69 (2)	20.43 (2)	21.60 (2)	23.00 (2)	24.60 (2)	26.00 (2)
			48°C AHRI	kW	14.49 (3)	15.11 (3)	17.16 (3)	16.62 (3)	18.05 (3)	19.29 (3)	19.56 (3)	20.80 (3)
	Heating	Nom.	6°CWB	kW	11.87 (4)	13.74 (4)	15.21 (4)	16.90 (4)	18.52 (4)	20.24 (4)	21.68 (4)	23.40 (4)
		Max.	6°CWB	kW	14.91 (4)	17.17 (4)	19.14 (4)	20.97 (4)	23.30 (4)	25.20 (4)	27.10 (4)	29.00 (4)
EER at nom. capacity	35°C AHRI			Btu/h	12.5 (1)	11.9 (1)	12.2 (1)	11.3 (1)	11.4 (1)	11.3 (1)	11.0 (1)	
				kW/kW	3.65 (1)	3.49 (1)	3.59 (1)	3.32 (1)	3.33 (1)	3.32 (1)	3.22 (1)	3.21 (1)
	35°CDB			kW/kW	-							
	46°C AHRI			Btu/h	2.82 (2)	2.79 (2)	2.87 (2)	2.71 (2)	2.80 (2)	2.77 (2)	2.73 (2)	2.70 (2)
				kW/kW	9.61 (2)	9.54 (2)	9.80 (2)	9.24 (2)	9.56 (2)	9.44 (2)	9.31 (2)	9.22 (2)
	48°C AHRI			Btu/h	9.23 (3)	9.22 (3)	9.23 (3)	9.28 (3)		9.27 (3)	9.34 (3)	9.32 (3)
				kW/kW	2.71 (3)	2.70 (3)		2.72 (3)			2.74 (3)	2.73 (3)
COP at nom. capacity	6°CWB			Btu/h	14.5 (4)	13.9 (4)	13.8 (4)	13.6 (4)	13.5 (4)	13.2 (4)	13.4 (4)	13.1 (4)
				kW/kW	4.25 (4)	4.07 (4)	4.04 (4)	3.99 (4)	3.97 (4)	3.88 (4)	3.92 (4)	3.85 (4)
COP at max. capacity	6°CWB			Btu/h	12.9 (4)	12.4 (4)	12.3 (4)	12.2 (4)	12.1 (4)	11.9 (4)	12.0 (4)	11.8 (4)
				kW/kW	3.79 (4)	3.64 (4)	3.61 (4)	3.58 (4)	3.54 (4)	3.47 (4)	3.51 (4)	3.45 (4)
Maximum number of connectable indoor units					64 (5)							
Indoor index connection	Min.				225	250	275	300	325	350	375	400
	Nom.				450	500	550	600	650	700	750	800
	Max.				585	650	715	780	845	910	975	1,040
Piping connections	Liquid	OD		mm	-							

Standard Accessories : Installation and operation manual;

Standard Accessories : Connection pipes;

2 Specifications

2-4 Technical Specifications					RXYTQ34TYF	RXYTQ36TYF	RXYTQ38TYF	RXYTQ40TYF	RXYTQ42TYF	RXYTQ44TYF	RXYTQ46TYF	RXYTQ48TYF
System	Outdoor unit module 1				RXYTQ8TYF			RXYTQ10TYF		RXYTQ12TYF	RXYTQ14TYF	RXYTQ16TYF
	Outdoor unit module 2				RXYTQ10TYF	RXYTQ12TYF	RXYTQ14TYF		RXYTQ16TYF			
	Outdoor unit module 3				RXYTQ16TYF							
Capacity range				HP	34	36	38	40	42	44	46	48
Cooling capacity	Nom.	35°C AHRI		kW	95.4 (1)	100.9 (1)	107.4 (1)	113.0 (1)	118.0 (1)	123.5 (1)	130.0 (1)	135.0 (1)
				Btu/h	325,550 (1)	344,350 (1)	366,500 (1)	385,600 (1)	402,650 (1)	421.45 (1)	443,600 (1)	460,650 (1)
		35°CDB		kW	-							
		46°C AHRI		kW	80.5 (2)	83.8 (2)	87.3 (2)	92.3 (2)	95.4 (2)	98.7 (2)	102.2 (2)	105.3 (2)
				Btu/h	274,750 (2)	286,000 (2)	297,950 (2)	315,000 (2)	325,600 (2)	336,850 (2)	348,800 (2)	359,400 (2)
		48°C AHRI		kW	67.6 (3)	69.2 (3)	70.3 (3)	75.9 (3)	79.2 (3)	80.8 (3)	81.9 (3)	85.2 (3)
				Btu/h	230,750 (3)	236,200 (3)	239,950 (3)	259,050 (3)	270,350 (3)	275,800 (3)	279,550 (3)	290,850 (3)
Heating capacity	Nom.	6°CWB		kW	95.4 (4)	100.9 (4)	107.4 (4)	113.0 (4)	118.0 (4)	123.5 (4)	130.0 (4)	135.0 (4)
				Btu/h	325,550 (4)	344,350 (4)	366,500 (4)	385,600 (4)	402,650 (4)	421,450 (4)	443,600 (4)	460,650 (4)
	Max.	6°CWB		kW	106.5 (4)	112.5 (4)	120.0 (4)	126.5 (4)	131.5 (4)	137.5 (4)	145.0 (4)	150.0 (4)
				Btu/h	363,500 (4)	384 (4)	409,550 (4)	431,700 (4)	448,800 (4)	469,300 (4)	494.85 (4)	511,950 (4)
Power input - 50Hz	Cooling	Nom.	35°CDB	kW	27.80 (1)	30.01 (1)	32.73 (1)	33.87 (1)	35.47 (1)	37.68 (1)	40.40 (1)	42.00 (1)
			46°C AHRI	kW	29.12 (2)	30.43 (2)	32.03 (2)	33.29 (2)	34.69 (2)	36.00 (2)	37.60 (2)	39.00 (2)
			48°C AHRI	kW	24.89 (3)	25.51 (3)	25.78 (3)	27.83 (3)	29.07 (3)	29.69 (3)	29.96 (3)	31.20 (3)
	Heating	Nom.	6°CWB	kW	23.57 (4)	25.44 (4)	26.88 (4)	28.35 (4)	30.07 (4)	31.94 (4)	33.38 (4)	35.10 (4)
		Max.	6°CWB	kW	29.41 (4)	31.67 (4)	33.57 (4)	35.54 (4)	37.44 (4)	39.70 (4)	41.60 (4)	43.50 (4)
Power input - 60Hz	Cooling	Nom.	35°C AHRI	kW	27.80 (1)	30.01 (1)	32.73 (1)	33.87 (1)	35.47 (1)	37.68 (1)	40.40 (1)	42.00 (1)
			46°C AHRI	kW	29.12 (2)	30.43 (2)	32.03 (2)	33.29 (2)	34.69 (2)	36.00 (2)	37.60 (2)	39.00 (2)
			48°C AHRI	kW	24.89 (3)	25.51 (3)	25.78 (3)	27.83 (3)	29.07 (3)	29.69 (3)	29.96 (3)	31.20 (3)
	Heating	Nom.	6°CWB	kW	23.57 (4)	25.44 (4)	26.88 (4)	28.35 (4)	30.07 (4)	31.94 (4)	33.38 (4)	35.10 (4)
		Max.	6°CWB	kW	29.41 (4)	31.67 (4)	33.57 (4)	35.54 (4)	37.44 (4)	39.70 (4)	41.60 (4)	43.50 (4)
EER at nom. capacity	35°C AHRI			Btu/h	11.7 (1)	11.5 (1)	11.2 (1)	11.4 (1)		11.2 (1)	11.0 (1)	
				kW/kW	3.43 (1)	3.36 (1)	3.28 (1)	3.34 (1)	3.33 (1)	3.28 (1)	3.22 (1)	3.21 (1)
	35°CDB			kW/kW	-							
	46°C AHRI			Btu/h	2.76 (2)	2.75 (2)	2.73 (2)	2.77 (2)	2.75 (2)	2.74 (2)	2.72 (2)	2.70 (2)
				kW/kW	9.44 (2)	9.40 (2)	9.30 (2)	9.46 (2)	9.39 (2)	9.36 (2)	9.28 (2)	9.22 (2)
	48°C AHRI			Btu/h	9.27 (3)	9.26 (3)	9.31 (3)		9.30 (3)	9.29 (3)	9.33 (3)	9.32 (3)
				kW/kW	2.72 (3)	2.71 (3)	2.73 (3)		2.72 (3)		2.73 (3)	
COP at nom. capacity	6°CWB			Btu/h	13.8 (4)	13.5 (4)	13.6 (4)		13.4 (4)	13.2 (4)	13.3 (4)	13.1 (4)
				kW/kW	4.05 (4)	3.97 (4)	4.00 (4)	3.99 (4)	3.92 (4)	3.87 (4)	3.89 (4)	3.85 (4)
COP at max. capacity	6°CWB			Btu/h	12.4 (4)	12.1 (4)	12.2 (4)	12.1 (4)	12.0 (4)	11.8 (4)	11.9 (4)	11.8 (4)
				kW/kW	3.62 (4)	3.55 (4)	3.57 (4)	3.56 (4)	3.51 (4)	3.46 (4)	3.49 (4)	3.45 (4)
Maximum number of connectable indoor units					64 (5)							
Indoor index connection	Min.				425	450	475	500	525	550	575	600
	Nom.				850	900	950	1,000	1,050	1,100	1,150	1,200
	Max.				1,105	1,170	1,235	1,300	1,365	1,430	1,495	1,560
Piping connections	Liquid	OD		mm	-							

Standard Accessories : Installation and operation manual;

Standard Accessories : Connection pipes;

2 Specifications

2-5 Electrical Specifications				RXYTQ18TYF	RXYTQ20TYF	RXYTQ22TYF	RXYTQ24TYF	RXYTQ26TYF	RXYTQ28TYF	RXYTQ30TYF	RXYTQ32TYF
Voltage range	Min.		%	-10							
	Max.		%	10							
Current	Nominal running current (RLA) - 50Hz	Cooling	A	17.3 (6)	20.7 (6)	22.0 (6)	27.3 (6)	28.5 (6)	32.0 (6)	35.1 (6)	38.6 (6)
	Nominal running current (RLA) - 60Hz	Cooling	A	17.3 (6)	20.7 (6)	22.0 (6)	27.3 (6)	28.5 (6)	32.0 (6)	35.1 (6)	38.6 (6)
Current - 50Hz	Minimum circuit amps (MCA)		A	38.1	40.1	46.0	47.1	51.0	55.0	58.0	62.0
Current - 60Hz	Minimum circuit amps (MCA)		A	38.1	40.1	46.0	47.1	51.0	55.0	58.0	62.0
Wiring connections - 50Hz	For power supply	Quantity		5G							
	For connection with indoor	Quantity		2							
		Remark		F1,F2							
Wiring connections - 60Hz	For power supply	Quantity		5G							
	For connection with indoor	Quantity		2							
		Remark		F1,F2							
Power supply intake				Both indoor and outdoor unit							

2-6 Electrical Specifications				RXYTQ34TYF	RXYTQ36TYF	RXYTQ38TYF	RXYTQ40TYF	RXYTQ42TYF	RXYTQ44TYF	RXYTQ46TYF	RXYTQ48TYF
Voltage range	Min.		%	-10							
	Max.		%	10							
Current	Nominal running current (RLA) - 50Hz	Cooling	A	36.6 (6)	40.0 (6)	43.1 (6)	44.4 (6)	47.9 (6)	51.3 (6)	54.4 (6)	57.9 (6)
	Nominal running current (RLA) - 60Hz	Cooling	A	36.6 (6)	40.0 (6)	43.1 (6)	44.4 (6)	47.9 (6)	51.3 (6)	54.4 (6)	57.9 (6)
Current - 50Hz	Minimum circuit amps (MCA)		A	69.1	71.1	74.1	80.0	84.0	86.0	89.0	93.0
Current - 60Hz	Minimum circuit amps (MCA)		A	69.1	71.1	74.1	80.0	84.0	86.0	89.0	93.0
Wiring connections - 50Hz	For power supply	Quantity		5G							
	For connection with indoor	Quantity		2							
		Remark		F1,F2							
Wiring connections - 60Hz	For power supply	Quantity		5G							
	For connection with indoor	Quantity		2							
		Remark		F1,F2							
Power supply intake				Both indoor and outdoor unit							

2 Specifications

Notes

(1) Cooling: T1: indoor temp. 26,7°CDB, 19,4°CWB, outdoor temp. 35°CB, AHRI 1230:2010, power input indoor units (duct type) included

(2) Cooling: T3: indoor temp. 29,0°CDB, 19,0°CWB, outdoor temp. 46°CB, ISO15042:2011, power input indoor units (duct type) included

(3) Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CB, AHRI 1230:2010, power input indoor units (duct type) included

(4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB, Eurovent 2015, equivalent refrigerant piping: 5m, level difference: 0m

(5) Actual number of units depends on the indoor unit type (VRV DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤ 130%).

(6) RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB

Sound power level is an absolute value that a sound source generates.

Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.

Sound values are measured in a semi-anechoic room.

For more details on standard accessories refer to Installation/operation manual

MSC means the maximum current during start up of the compressor. VRV IV uses only inverter compressors. Starting current is always ≤ max. running current.

MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current.

MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).

TOCA means the total value of each OC set.

FLA means the nominal running current of the fan

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

Contains fluorinated greenhouse gases

Cooling: Eurovent: indoor temperature: 27,0°CDB, 19,0°CWB, outdoor temperature: 35°CDB, Eurovent 2015, power input indoor units (duct type) excluded

Soundpressure and soundpower for multi units can be calculated, following below instructions.

Sound values are theoretical values based on sound results of individual installed units. Possible deviations due to variety of installation patterns are not taken into account.

Soundpressure system [dBA] = 10*log[10^(A/10)+10^(B/10)+10^(C/10)] , with Unit A = A dBA, Unit B = B dBA, Unit C = C dBA

3 Options

3 - 1 Options

RXYTQ-TYF

Nr.	Item	RXYTQ8T	RXYTQ10-12T	RXYTQ14-16T	RXYTQ18~48T
I.	Refnet header	KHRQ22M29H			
		-	KHRQ22M64H		
		-	-	-	KHRQ22M75H
II.	Refnet joint	KHRQ22M20T			
		KHRQ22M29T9			
		-	KHRQ22M64T		
		-	-	-	KHRQ22M75T
III.	Outdoor multi-connection kit (2)	-	-	-	BHFQ22P1007
IV.	Outdoor multi-connection kit (2)	-	-	-	BHFQ22P1517

Nr.	Item	8HP	10HP	12HP	14HP	16HP
1a.	Cool/heat selector (switch)	KRC19-26A				
1b.	Cool/heat selector (PCB)	BRP2A81				
1c.	Cool/heat selector (fixing box)	KJB111A*				
2.	VRV configurator	EKPCCAB				
3.	Demand PCB (5)	DTA104A61/62*				
4.	Demand PCB mounting plate	-	KKSB26B1*			

Notes
1. All options are kits
2. Only for multi units
3. To operate the cool/heat selector function, options ·1a· and ·1b· are both required.
4. To mount option ·1a·, option ·1c· is required.
5. To install the demand PCB on the large casing type, the demand PCB mounting plate is required.

Medium casing type ·VRV4· Middle East heat pump: modules ·8·HP
Large casing type ·VRV4· Middle East heat pump: modules ·10~16·HP

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4 Combination table

4 - 1 Combination Table

RXYTQ-TYF

Indoor unit combination restrictions

Indoor unit combination pattern	·VRV* DX· indoor unit	Air handling unit (AHU) (3)
·VRV* DX· indoor unit	O	O_2
Air handling unit (AHU) (3)	O	O_1

O: Allowed
X: Not allowed

Notes

1. O_1

- *Combination of ·AHU· only + control box ·EKEQFA· (the combination with ·VRV DX· indoor units is not allowed; maximum ·48·HP for ·3x400· class ·EKEXV· kit)*
  - → ·X·-control is possible (up to ·3x· [·EKEXV+EKEQFA*· boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.
  - → ·Y·-control is possible (up to ·3x· [·EKEXV+EKEQFA*· boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.
  - → ·W·-control is possible (up to ·3x· [·EKEXV+EKEQFA*· boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.

- *Combination of ·AHU· only + control box ·EKEQMA· (not combined with ·VRV DX· indoor units)*
  - → Z-control is possible (the allowed number of [·EKEXV + EKEQMA· boxes] is determined by the connection ratio (·90-110%·) and the capacity of the outdoor unit.

2. O_2

- Combination of ·AHU· and ·VRV DX· indoor units
  - → Z-control is possible (·EKEQMA*· boxes are allowed, but with a limited connection ratio).

3. The following units are considered AHUs:
- → ·EKEXV + EKEQ(MA/FA) + AHU· coil
- → ·Biddle· air curtain
- → ·FXMQ_MF· units

Information
- ·VKM· units are considered to be regular ·VRV DX· indoor units.

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5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ8T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	10	17.9	2.43	22.4	3.08	26.9	3.77	28.2	3.90	28.6	3.81	29.5	3.62	30.3	3.42
	12	17.9	2.47	22.4	3.14	26.9	3.84	27.8	3.88	28.3	3.79	29.1	3.59	29.9	3.60
	14	17.9	2.51	22.4	3.20	26.9	3.91	27.5	3.86	27.9	3.76	28.7	3.76	29.6	3.80
	16	17.9	2.56	22.4	3.26	26.7	3.94	27.1	3.90	27.5	3.92	28.4	3.96	29.2	4.01
	18	17.9	2.60	22.4	3.32	26.3	4.07	26.8	4.09	27.2	4.12	28.0	4.16	28.9	4.21
	20	17.9	2.65	22.4	3.48	26.0	4.27	26.4	4.29	26.8	4.32	27.6	4.37	28.5	4.42
	21	17.9	2.68	22.4	3.60	25.8	4.37	26.2	4.39	26.6	4.42	27.5	4.47	28.3	4.52
	23	17.9	2.85	22.4	3.86	25.4	4.57	25.8	4.59	26.3	4.62	27.1	4.68	27.9	4.73
	25	17.9	3.04	22.4	4.13	25.1	4.77	25.5	4.80	25.9	4.83	26.7	4.88	27.6	4.94
	27	17.9	3.24	22.4	4.41	24.7	4.97	25.1	5.00	25.5	5.03	26.4	5.09	27.2	5.15
	29	17.9	3.45	22.4	4.70	24.3	5.17	24.7	5.20	25.2	5.23	26.0	5.30	26.8	5.37
	31	17.9	3.67	22.4	5.02	24.0	5.37	24.4	5.41	24.8	5.44	25.6	5.51	26.5	5.58
	33	17.9	3.91	22.4	5.35	23.6	5.57	24.0	5.61	24.4	5.65	25.3	5.72	26.1	5.79
	35	17.9	4.15	22.4	5.70	23.2	5.78	23.7	5.82	24.1	5.86	24.9	5.93	25.8	6.01
	37	17.9	4.41	22.0	5.90	22.9	5.98	23.3	6.02	23.7	6.06	24.6	6.15	25.4	6.23
	39	17.9	4.69	21.7	6.10	22.5	6.19	22.9	6.23	23.3	6.27	24.2	6.36	25.0	6.45
	41	17.1	5.46	21.1	7.33	21.9	7.44	22.3	7.49	22.7	7.54	23.5	7.64	24.3	7.74
	43	17.1	5.77	20.8	7.54	21.6	7.64	22.0	7.70	22.4	7.75	23.2	7.86	24.0	7.96
	46	17.1	6.26	20.2	7.84	21.0	7.96	21.4	8.02	21.8	8.07	22.6	8.19	23.4	8.30
120	10	16.5	2.23	20.7	2.83	24.8	3.45	26.9	3.77	28.2	3.91	29.0	3.73	29.7	3.56
	12	16.5	2.27	20.7	2.88	24.8	3.51	26.9	3.84	27.8	3.89	28.6	3.71	29.4	3.57
	14	16.5	2.31	20.7	2.93	24.8	3.58	26.9	3.91	27.5	3.87	28.2	3.73	29.0	3.77
	16	16.5	2.35	20.7	2.98	24.8	3.65	26.7	3.94	27.1	3.89	27.9	3.93	28.6	3.97
	18	16.5	2.39	20.7	3.04	24.8	3.75	26.3	4.07	26.7	4.09	27.5	4.14	28.3	4.18
	20	16.5	2.44	20.7	3.12	24.8	4.03	26.0	4.27	26.4	4.29	27.1	4.34	27.9	4.38
	21	16.5	2.46	20.7	3.22	24.8	4.17	25.8	4.37	26.2	4.39	27.0	4.44	27.7	4.49
	23	16.5	2.57	20.7	3.45	24.8	4.47	25.4	4.57	25.8	4.59	26.6	4.64	27.4	4.69
	25	16.5	2.74	20.7	3.69	24.7	4.74	25.1	4.77	25.4	4.79	26.2	4.85	27.0	4.90
	27	16.5	2.92	20.7	3.94	24.3	4.94	24.7	4.97	25.1	5.00	25.9	5.05	26.6	5.11
	29	16.5	3.11	20.7	4.20	23.9	5.14	24.3	5.17	24.7	5.20	25.5	5.26	26.3	5.32
	31	16.5	3.30	20.7	4.47	23.6	5.34	24.0	5.37	24.4	5.40	25.1	5.47	25.9	5.53
	33	16.5	3.51	20.7	4.77	23.2	5.54	23.6	5.57	24.0	5.61	24.8	5.68	25.5	5.74
	35	16.5	3.73	20.7	5.07	22.9	5.74	23.2	5.78	23.6	5.81	24.4	5.88	25.2	5.96
	37	16.5	3.96	20.7	5.40	22.5	5.94	22.9	5.98	23.3	6.02	24.0	6.10	24.8	6.17
	39	16.5	4.21	20.7	5.75	22.1	6.15	22.5	6.19	22.9	6.23	23.7	6.31	24.4	6.39
	41	15.8	4.90	19.8	6.68	21.6	7.39	21.9	7.44	22.3	7.48	23.0	7.58	23.8	7.67
	43	15.8	5.17	19.7	7.06	21.2	7.59	21.6	7.64	21.9	7.69	22.7	7.79	23.4	7.89
	46	15.8	5.60	19.7	7.68	20.6	7.91	21.0	7.96	21.4	8.01	22.1	8.12	22.8	8.22
110	10	15.2	2.05	19.0	2.58	22.7	3.14	24.6	3.43	26.5	3.72	28.4	3.85	29.1	3.69
	12	15.2	2.08	19.0	2.62	22.7	3.19	24.6	3.49	26.5	3.79	28.1	3.83	28.8	3.67
	14	15.2	2.11	19.0	2.67	22.7	3.25	24.6	3.55	26.5	3.86	27.7	3.81	28.4	3.74
	16	15.2	2.15	19.0	2.71	22.7	3.31	24.6	3.62	26.5	3.93	27.3	3.91	28.1	3.94
	18	15.2	2.19	19.0	2.76	22.7	3.37	24.6	3.71	26.3	4.07	27.0	4.11	27.7	4.15
	20	15.2	2.23	19.0	2.82	22.7	3.56	24.6	3.99	25.9	4.26	26.6	4.31	27.3	4.35
	21	15.2	2.25	19.0	2.87	22.7	3.68	24.6	4.13	25.7	4.36	26.4	4.41	27.1	4.45
	23	15.2	2.30	19.0	3.07	22.7	3.94	24.6	4.43	25.4	4.56	26.1	4.61	26.8	4.66
	25	15.2	2.45	19.0	3.27	22.7	4.22	24.6	4.74	25.0	4.76	25.7	4.81	26.4	4.86
	27	15.2	2.61	19.0	3.49	22.7	4.51	24.3	4.94	24.6	4.96	25.3	5.01	26.1	5.07
	29	15.2	2.78	19.0	3.72	22.7	4.81	23.9	5.14	24.3	5.16	25.0	5.22	25.7	5.27
	31	15.2	2.95	19.0	3.96	22.7	5.13	23.5	5.34	23.9	5.37	24.6	5.42	25.3	5.48
	33	15.2	3.14	19.0	4.22	22.7	5.47	23.2	5.54	23.5	5.57	24.2	5.63	25.0	5.69
	35	15.2	3.33	19.0	4.49	22.5	5.71	22.8	5.74	23.2	5.77	23.9	5.84	24.6	5.90
	37	15.2	3.53	19.0	4.77	22.1	5.91	22.5	5.94	22.8	5.98	23.5	6.05	24.2	6.11
	39	15.2	3.75	19.0	5.07	21.7	6.11	22.1	6.15	22.4	6.18	23.2	6.25	23.9	6.33
	41	14.5	4.37	18.1	5.90	21.2	7.34	21.5	7.38	21.9	7.43	22.5	7.51	23.2	7.60
	43	14.5	4.61	18.1	6.24	20.8	7.55	21.2	7.59	21.5	7.64	22.2	7.73	22.8	7.82
	46	14.5	4.99	18.1	6.77	20.3	7.85	20.6	7.90	20.9	7.95	21.6	8.05	22.3	8.14
100	10	13.8	1.86	17.2	2.33	20.7	2.83	22.4	3.08	24.1	3.35	27.6	3.88	28.6	3.82
	12	13.8	1.89	17.2	2.37	20.7	2.88	22.4	3.14	24.1	3.41	27.6	3.95	28.2	3.80
	14	13.8	1.92	17.2	2.41	20.7	2.93	22.4	3.20	24.1	3.47	27.2	3.93	27.8	3.78
	16	13.8	1.95	17.2	2.45	20.7	2.98	22.4	3.26	24.1	3.53	26.8	3.91	27.5	3.91
	18	13.8	1.99	17.2	2.50	20.7	3.04	22.4	3.32	24.1	3.60	26.5	4.08	27.1	4.11
	20	13.8	2.02	17.2	2.54	20.7	3.12	22.4	3.48	24.1	3.87	26.1	4.28	26.7	4.31
	21	13.8	2.04	17.2	2.57	20.7	3.22	22.4	3.60	24.1	4.01	25.9	4.38	26.6	4.42
	23	13.8	2.08	17.2	2.70	20.7	3.45	22.4	3.86	24.1	4.29	25.6	4.58	26.2	4.62
	25	13.8	2.19	17.2	2.89	20.7	3.69	22.4	4.13	24.1	4.59	25.2	4.78	25.8	4.82
	27	13.8	2.33	17.2	3.08	20.7	3.94	22.4	4.41	24.1	4.91	24.8	4.98	25.5	5.02
	29	13.8	2.47	17.2	3.28	20.7	4.20	22.4	4.70	23.8	5.13	24.5	5.18	25.1	5.23
	31	13.8	2.63	17.2	3.49	20.7	4.47	22.4	5.02	23.5	5.33	24.1	5.38	24.7	5.43
	33	13.8	2.79	17.2	3.71	20.7	4.77	22.4	5.35	23.1	5.53	23.7	5.58	24.4	5.64
	35	13.8	2.95	17.2	3.94	20.7	5.07	22.4	5.70	22.7	5.73	23.4	5.79	24.0	5.85
	37	13.8	3.13	17.2	4.18	20.7	5.40	22.0	5.90	22.4	5.93	23.0	6.00	23.6	6.06
	39	13.8	3.32	17.2	4.44	20.7	5.75	21.7	6.10	22.0	6.14	22.6	6.20	23.3	6.27
	41	13.2	3.88	16.5	5.18	19.8	6.68	21.1	7.33	21.4	7.37	22.0	7.45	22.7	7.53
	43	13.2	4.08	16.5	5.46	19.7	7.06	20.8	7.54	21.1	7.58	21.7	7.66	22.3	7.74
	46	13.1	4.41	16.4	5.93	19.7	7.68	20.2	7.84	20.5	7.89	21.1	7.98	21.7	8.06

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.
2. Above 46°C refer to selection software.
   Über 46 °C: siehe Auslegungssoftware
   Πάνω από τους 46°C ανατρέξτε στο λογισμικό επιλογής
   Por encima de 46°C, consulte el software de selección
   Au-delà de 46 °C, voir le logiciel de sélection
   Al di sopra dei 46°C fare riferimento al software di selezione
   Raadpleeg de selectiesoftware boven 46°C
   Выше 46°C — см. программу выбора оборудования
   46°C'nin üzerindeki sıcaklıklar için lütfen seçim yazılımına bakın

5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ8T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	10	12.4	1.69	15.5	2.09	18.6	2.53	20.2	2.75	21.7	2.98	24.8	3.45	27.9	3.93
	12	12.4	1.71	15.5	2.13	18.6	2.57	20.2	2.80	21.7	3.03	24.8	3.52	27.6	3.93
	14	12.4	1.74	15.5	2.16	18.6	2.61	20.2	2.85	21.7	3.09	24.8	3.58	27.3	3.91
	16	12.4	1.77	15.5	2.20	18.6	2.66	20.2	2.90	21.7	3.15	24.8	3.65	26.9	3.89
	18	12.4	1.80	15.5	2.24	18.6	2.71	20.2	2.96	21.7	3.21	24.8	3.75	26.5	4.08
	20	12.4	1.83	15.5	2.28	18.6	2.76	20.2	3.01	21.7	3.33	24.8	4.03	26.2	4.28
	21	12.4	1.84	15.5	2.30	18.6	2.80	20.2	3.11	21.7	3.45	24.8	4.17	26.0	4.38
	23	12.4	1.87	15.5	2.37	18.6	2.99	20.2	3.33	21.7	3.69	24.8	4.47	25.6	4.58
	25	12.4	1.94	15.5	2.52	18.6	3.19	20.2	3.56	21.7	3.95	24.7	4.74	25.3	4.78
	27	12.4	2.06	15.5	2.69	18.6	3.41	20.2	3.80	21.7	4.22	24.3	4.94	24.9	4.98
	29	12.4	2.19	15.5	2.86	18.6	3.63	20.2	4.05	21.7	4.50	23.9	5.14	24.5	5.18
	31	12.4	2.32	15.5	3.04	18.6	3.87	20.2	4.32	21.7	4.80	23.6	5.34	24.2	5.39
	33	12.4	2.46	15.5	3.23	18.6	4.11	20.2	4.60	21.7	5.11	23.2	5.54	23.8	5.59
	35	12.4	2.60	15.5	3.43	18.6	4.38	20.2	4.89	21.7	5.45	22.9	5.74	23.4	5.80
	37	12.4	2.76	15.5	3.64	18.6	4.65	20.2	5.21	21.7	5.80	22.5	5.94	23.1	6.00
	39	12.4	2.92	15.5	3.86	18.6	4.94	20.2	5.54	21.5	6.09	22.1	6.15	22.7	6.21
	41	11.9	3.41	14.8	4.50	17.8	5.75	19.3	6.44	20.8	7.17	21.6	7.39	22.1	7.46
	43	11.8	3.59	14.8	4.75	17.8	6.08	19.2	6.81	20.6	7.52	21.2	7.59	21.7	7.67
	46	11.8	3.87	14.8	5.14	17.7	6.60	19.2	7.40	20.1	7.83	20.6	7.91	21.2	7.98
80	10	11.0	1.52	13.8	1.86	16.5	2.23	17.9	2.43	19.3	2.63	22.1	3.03	24.8	3.45
	12	11.0	1.54	13.8	1.89	16.5	2.27	17.9	2.47	19.3	2.67	22.1	3.09	24.8	3.52
	14	11.0	1.56	13.8	1.92	16.5	2.31	17.9	2.51	19.3	2.72	22.1	3.14	24.8	3.58
	16	11.0	1.59	13.8	1.95	16.5	2.35	17.9	2.56	19.3	2.77	22.1	3.20	24.8	3.65
	18	11.0	1.61	13.8	1.99	16.5	2.39	17.9	2.60	19.3	2.82	22.1	3.26	24.8	3.75
	20	11.0	1.64	13.8	2.02	16.5	2.44	17.9	2.65	19.3	2.87	22.1	3.41	24.8	4.03
	21	11.0	1.65	13.8	2.04	16.5	2.46	17.9	2.68	19.3	2.94	22.1	3.53	24.8	4.17
	23	11.0	1.68	13.8	2.08	16.5	2.57	17.9	2.85	19.3	3.14	22.1	3.78	24.8	4.47
	25	11.0	1.70	13.8	2.19	16.5	2.74	17.9	3.04	19.3	3.35	22.1	4.04	24.7	4.74
	27	11.0	1.81	13.8	2.33	16.5	2.92	17.9	3.24	19.3	3.58	22.1	4.31	24.3	4.94
	29	11.0	1.92	13.8	2.47	16.5	3.11	17.9	3.45	19.3	3.82	22.1	4.60	23.9	5.14
	31	11.0	2.03	13.8	2.63	16.5	3.30	17.9	3.67	19.3	4.06	22.1	4.91	23.6	5.34
	33	11.0	2.15	13.8	2.79	16.5	3.51	17.9	3.91	19.3	4.33	22.1	5.23	23.2	5.54
	35	11.0	2.27	13.8	2.95	16.5	3.73	17.9	4.15	19.3	4.60	22.1	5.57	22.9	5.74
	37	11.0	2.40	13.8	3.13	16.5	3.96	17.9	4.41	19.3	4.90	22.0	5.89	22.5	5.94
	39	11.0	2.54	13.8	3.32	16.5	4.21	17.9	4.69	19.3	5.21	21.6	6.10	22.1	6.15
	41	10.5	2.98	13.2	3.88	15.8	4.90	17.1	5.46	18.4	6.06	21.1	7.33	21.6	7.39
	43	10.5	3.13	13.2	4.08	15.8	5.17	17.1	5.77	18.4	6.40	20.7	7.53	21.2	7.59
	46	10.5	3.37	13.1	4.41	15.8	5.60	17.1	6.26	18.4	6.95	20.1	7.84	20.6	7.91
70	10	9.6	1.36	12.1	1.65	14.5	1.95	15.7	2.12	16.9	2.28	19.3	2.63	21.7	2.98
	12	9.6	1.38	12.1	1.67	14.5	1.99	15.7	2.15	16.9	2.32	19.3	2.67	21.7	3.03
	14	9.6	1.40	12.1	1.70	14.5	2.02	15.7	2.19	16.9	2.36	19.3	2.72	21.7	3.09
	16	9.6	1.41	12.1	1.72	14.5	2.05	15.7	2.22	16.9	2.40	19.3	2.77	21.7	3.15
	18	9.6	1.43	12.1	1.75	14.5	2.09	15.7	2.26	16.9	2.44	19.3	2.82	21.7	3.21
	20	9.6	1.46	12.1	1.78	14.5	2.12	15.7	2.30	16.9	2.49	19.3	2.87	21.7	3.33
	21	9.6	1.47	12.1	1.79	14.5	2.14	15.7	2.32	16.9	2.51	19.3	2.94	21.7	3.45
	23	9.6	1.49	12.1	1.82	14.5	2.18	15.7	2.40	16.9	2.64	19.3	3.14	21.7	3.69
	25	9.6	1.51	12.1	1.88	14.5	2.32	15.7	2.56	16.9	2.81	19.3	3.36	21.7	3.95
	27	9.6	1.58	12.1	1.99	14.5	2.47	15.7	2.73	16.9	3.00	19.3	3.58	21.7	4.22
	29	9.6	1.67	12.1	2.12	14.5	2.62	15.7	2.90	16.9	3.19	19.3	3.82	21.7	4.50
	31	9.6	1.77	12.1	2.24	14.5	2.79	15.7	3.08	16.9	3.39	19.3	4.06	21.7	4.80
	33	9.6	1.87	12.1	2.38	14.5	2.96	15.7	3.27	16.9	3.61	19.3	4.33	21.7	5.11
	35	9.6	1.97	12.1	2.52	14.5	3.14	15.7	3.48	16.9	3.83	19.3	4.60	21.7	5.45
	37	9.6	2.08	12.1	2.67	14.5	3.33	15.7	3.69	16.9	4.07	19.3	4.90	21.7	5.80
	39	9.6	2.20	12.1	2.82	14.5	3.53	15.7	3.92	16.9	4.32	19.3	5.21	21.5	6.09
	41	9.2	2.58	11.5	3.30	13.8	4.12	15.0	4.57	16.1	5.04	18.4	6.06	20.8	7.17
	43	9.2	2.70	11.5	3.47	13.8	4.34	15.0	4.81	16.1	5.32	18.4	6.40	20.6	7.52
	46	9.2	2.90	11.5	3.74	13.8	4.69	14.9	5.21	16.1	5.76	18.4	6.95	20.1	7.83
60	10	8.3	1.21	10.3	1.44	12.4	1.69	13.4	1.82	14.5	1.95	16.5	2.23	18.6	2.53
	12	8.3	1.22	10.3	1.46	12.4	1.71	13.4	1.85	14.5	1.99	16.5	2.27	18.6	2.57
	14	8.3	1.24	10.3	1.48	12.4	1.74	13.4	1.88	14.5	2.02	16.5	2.31	18.6	2.61
	16	8.3	1.25	10.3	1.50	12.4	1.77	13.4	1.91	14.5	2.05	16.5	2.35	18.6	2.66
	18	8.3	1.27	10.3	1.52	12.4	1.80	13.4	1.94	14.5	2.09	16.5	2.39	18.6	2.71
	20	8.3	1.28	10.3	1.55	12.4	1.83	13.4	1.97	14.5	2.12	16.5	2.44	18.6	2.76
	21	8.3	1.29	10.3	1.56	12.4	1.84	13.4	1.99	14.5	2.14	16.5	2.46	18.6	2.80
	23	8.3	1.31	10.3	1.58	12.4	1.87	13.4	2.02	14.5	2.18	16.5	2.57	18.6	2.99
	25	8.3	1.33	10.3	1.61	12.4	1.94	13.4	2.12	14.5	2.32	16.5	2.74	18.6	3.19
	27	8.3	1.36	10.3	1.69	12.4	2.06	13.4	2.26	14.5	2.47	16.5	2.92	18.6	3.41
	29	8.3	1.44	10.3	1.79	12.4	2.19	13.4	2.40	14.5	2.62	16.5	3.11	18.6	3.63
	31	8.3	1.52	10.3	1.90	12.4	2.32	13.4	2.55	14.5	2.79	16.5	3.30	18.6	3.87
	33	8.3	1.60	10.3	2.01	12.4	2.46	13.4	2.70	14.5	2.96	16.5	3.51	18.6	4.11
	35	8.3	1.69	10.3	2.12	12.4	2.60	13.4	2.86	14.5	3.14	16.5	3.73	18.6	4.38
	37	8.3	1.78	10.3	2.24	12.4	2.76	13.4	3.03	14.5	3.33	16.5	3.96	18.6	4.65
	39	8.3	1.88	10.3	2.37	12.4	2.92	13.4	3.21	14.5	3.53	16.5	4.21	18.6	4.95
	41	7.9	2.21	9.9	2.77	11.9	3.41	12.8	3.76	13.8	4.12	15.8	4.90	17.8	5.76
	43	7.9	2.31	9.9	2.91	11.8	3.59	12.8	3.95	13.8	4.34	15.8	5.17	17.8	6.08
	46	7.9	2.48	9.9	3.13	11.8	3.87	12.8	4.27	13.8	4.69	15.8	5.61	17.7	6.60
50	10	6.89	1.06	8.6	1.24	10.3	1.44	11.2	1.54	12.1	1.65	13.8	1.86	15.5	2.09
	12	6.89	1.07	8.6	1.26	10.3	1.46	11.2	1.56	12.1	1.67	13.8	1.89	15.5	2.13
	14	6.89	1.08	8.6	1.27	10.3	1.48	11.2	1.59	12.1	1.70	13.8	1.92	15.5	2.16
	16	6.89	1.10	8.6	1.29	10.3	1.50	11.2	1.61	12.1	1.72	13.8	1.96	15.5	2.20
	18	6.89	1.11	8.6	1.31	10.3	1.52	11.2	1.63	12.1	1.75	13.8	1.99	15.5	2.24
	20	6.89	1.12	8.6	1.33	10.3	1.55	11.2	1.66	12.1	1.78	13.8	2.02	15.5	2.28
	21	6.89	1.13	8.6	1.34	10.3	1.56	11.2	1.67	12.1	1.79	13.8	2.04	15.5	2.30
	23	6.89	1.14	8.6	1.35	10.3	1.58	11.2	1.70	12.1	1.82	13.8	2.08	15.5	2.37
	25	6.89	1.16	8.6	1.37	10.3	1.61	11.2	1.73	12.1	1.88	13.8	2.19	15.5	2.52
	27	6.89	1.17	8.6	1.41	10.3	1.69	11.2	1.84	12.1	2.00	13.8	2.33	15.5	2.69
	29	6.89	1.23	8.6	1.50	10.3	1.79	11.2	1.95	12.1	2.12	13.8	2.47	15.5	2.86
	31	6.89	1.30	8.6	1.58	10.3	1.90	11.2	2.07	12.1	2.24	13.8	2.63	15.5	3.04
	33	6.89	1.36	8.6	1.67	10.3	2.01	11.2	2.19	12.1	2.38	13.8	2.79	15.5	3.23
	35	6.89	1.44	8.6	1.76	10.3	2.12	11.2	2.31	12.1	2.52	13.8	2.95	15.5	3.43
	37	6.89	1.51	8.6	1.85	10.3	2.24	11.2	2.45	12.1	2.67	13.8	3.13	15.5	3.64
	39	6.9	1.59	8.6	1.95	10.3	2.37	11.2	2.59	12.1	2.82	13.8	3.32	15.5	3.86
	41	6.6	1.87	8.2	2.30	9.9	2.77	10.7	3.03	11.5	3.30	13.2	3.88	14.8	4.50
	43	6.6	1.96	8.2	2.41	9.9	2.91	10.7	3.18	11.5	3.47	13.2	4.08	14.8	4.75
	46	6.6	2.09	8.2	2.58	9.9	3.13	10.7	3.43	11.5	3.74	13.1	4.41	14.8	5.14

3D097506B

5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ10T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	10	22.4	2.86	28.0	3.63	33.6	4.44	35.3	4.60	35.8	4.49	36.8	4.26	37.9	4.03
	12	22.4	2.91	28.0	3.70	33.6	4.52	34.8	4.57	35.3	4.46	36.4	4.23	37.4	4.24
	14	22.4	2.96	28.0	3.77	33.6	4.61	34.4	4.55	34.9	4.43	35.9	4.43	37.0	4.48
	16	22.4	3.01	28.0	3.84	33.4	4.64	33.9	4.59	34.4	4.61	35.5	4.67	36.5	4.72
	18	22.4	3.07	28.0	3.91	32.9	4.80	33.4	4.82	34.0	4.85	35.0	4.91	36.1	4.96
	20	22.4	3.12	28.0	4.10	32.5	5.03	33.0	5.06	33.5	5.09	34.6	5.15	35.6	5.21
	21	22.4	3.15	28.0	4.25	32.2	5.15	32.8	5.18	33.3	5.21	34.3	5.27	35.4	5.33
	23	22.4	3.35	28.0	4.55	31.8	5.38	32.3	5.41	32.8	5.44	33.9	5.51	34.9	5.57
	25	22.4	3.58	28.0	4.86	31.3	5.62	31.8	5.65	32.4	5.68	33.4	5.75	34.5	5.82
	27	22.4	3.82	28.0	5.19	30.9	5.85	31.4	5.89	31.9	5.92	33.0	6.00	34.0	6.07
	29	22.4	4.07	28.0	5.54	30.4	6.09	30.9	6.13	31.5	6.17	32.5	6.24	33.6	6.32
	31	22.4	4.33	28.0	5.91	30.0	6.33	30.5	6.37	31.0	6.41	32.1	6.49	33.1	6.57
	33	22.4	4.60	28.0	6.30	29.5	6.57	30.0	6.61	30.6	6.65	31.6	6.74	32.6	6.83
	35	22.4	4.89	28.0	6.71	29.0	6.81	29.6	6.85	30.1	6.90	31.1	6.99	32.2	7.08
	37	22.4	5.20	27.5	6.95	28.6	7.05	29.1	7.10	29.6	7.14	30.7	7.24	31.7	7.34
	39	22.4	5.53	27.1	7.19	28.1	7.29	28.7	7.34	29.2	7.39	30.2	7.49	31.3	7.59
	41	21.2	5.95	26.4	8.09	27.3	8.20	27.8	8.26	28.3	8.31	29.3	8.42	30.3	8.53
	43	21.2	6.29	25.9	8.33	26.9	8.45	27.4	8.50	27.9	8.56	28.9	8.68	29.9	8.79
	46	21.1	6.84	25.2	8.69	26.2	8.81	26.7	8.88	27.2	8.94	28.2	9.06	29.2	9.19
120	10	20.7	2.63	25.8	3.33	31.0	4.07	33.6	4.44	35.2	4.60	36.2	4.40	37.2	4.19
	12	20.7	2.68	25.8	3.39	31.0	4.14	33.6	4.52	34.8	4.58	35.7	4.37	36.7	4.20
	14	20.7	2.72	25.8	3.45	31.0	4.22	33.6	4.61	34.3	4.56	35.3	4.40	36.2	4.44
	16	20.7	2.77	25.8	3.51	31.0	4.30	33.4	4.64	33.9	4.59	34.8	4.63	35.8	4.68
	18	20.7	2.82	25.8	3.58	31.0	4.42	32.9	4.80	33.4	4.82	34.4	4.87	35.3	4.92
	20	20.7	2.87	25.8	3.67	31.0	4.75	32.5	5.03	32.9	5.06	33.9	5.11	34.9	5.17
	21	20.7	2.90	25.8	3.80	31.0	4.91	32.2	5.15	32.7	5.17	33.7	5.23	34.7	5.29
	23	20.7	3.03	25.8	4.06	31.0	5.27	31.8	5.38	32.3	5.41	33.2	5.47	34.2	5.53
	25	20.7	3.23	25.8	4.34	30.8	5.58	31.3	5.62	31.8	5.65	32.8	5.71	33.7	5.77
	27	20.7	3.44	25.8	4.64	30.4	5.82	30.9	5.85	31.4	5.89	32.3	5.95	33.3	6.02
	29	20.7	3.66	25.8	4.95	29.9	6.05	30.4	6.09	30.9	6.12	31.9	6.20	32.8	6.27
	31	20.7	3.89	25.8	5.27	29.5	6.29	30.0	6.33	30.4	6.36	31.4	6.44	32.4	6.52
	33	20.7	4.14	25.8	5.62	29.0	6.53	29.5	6.57	30.0	6.61	31.0	6.69	31.9	6.77
	35	20.7	4.40	25.8	5.98	28.6	6.76	29.0	6.81	29.5	6.85	30.5	6.93	31.5	7.02
	37	20.7	4.67	25.8	6.36	28.1	7.00	28.6	7.05	29.1	7.09	30.0	7.18	31.0	7.27
	39	20.7	4.96	25.8	6.77	27.7	7.24	28.1	7.29	28.6	7.34	29.6	7.43	30.6	7.52
	41	19.6	5.34	24.5	7.27	26.9	8.15	27.3	8.20	27.8	8.25	28.7	8.36	29.6	8.46
	43	19.5	5.64	24.4	7.70	26.4	8.39	26.9	8.45	27.3	8.50	28.3	8.61	29.2	8.71
	46	19.5	6.13	24.4	8.39	25.7	8.76	26.2	8.81	26.6	8.87	27.6	8.99	28.5	9.10
110	10	19.0	2.41	23.7	3.03	28.4	3.70	30.8	4.04	33.2	4.38	35.5	4.54	36.4	4.35
	12	19.0	2.45	23.7	3.09	28.4	3.76	30.8	4.11	33.2	4.46	35.1	4.51	36.0	4.32
	14	19.0	2.49	23.7	3.14	28.4	3.83	30.8	4.18	33.2	4.54	34.6	4.49	35.5	4.41
	16	19.0	2.53	23.7	3.20	28.4	3.90	30.8	4.26	33.2	4.63	34.2	4.60	35.1	4.65
	18	19.0	2.58	23.7	3.26	28.4	3.97	30.8	4.38	32.8	4.79	33.7	4.84	34.6	4.88
	20	19.0	2.62	23.7	3.32	28.4	4.19	30.8	4.70	32.4	5.02	33.3	5.07	34.2	5.12
	21	19.0	2.65	23.7	3.38	28.4	4.34	30.8	4.87	32.2	5.14	33.0	5.19	33.9	5.24
	23	19.0	2.72	23.7	3.61	28.4	4.65	30.8	5.21	31.7	5.37	32.6	5.43	33.5	5.48
	25	19.0	2.89	23.7	3.86	28.4	4.97	30.8	5.58	31.2	5.61	32.1	5.67	33.0	5.73
	27	19.0	3.08	23.7	4.11	28.4	5.31	30.3	5.81	30.8	5.85	31.7	5.91	32.6	5.97
	29	19.0	3.28	23.7	4.39	28.4	5.67	29.9	6.05	30.3	6.08	31.2	6.15	32.1	6.21
	31	19.0	3.48	23.7	4.67	28.4	6.04	29.4	6.29	29.9	6.32	30.8	6.39	31.7	6.46
	33	19.0	3.70	23.7	4.97	28.4	6.44	29.0	6.52	29.4	6.56	30.3	6.63	31.2	6.71
	35	19.0	3.92	23.7	5.29	28.1	6.72	28.5	6.76	29.0	6.80	29.9	6.88	30.7	6.95
	37	19.0	4.16	23.7	5.62	27.6	6.96	28.1	7.00	28.5	7.04	29.4	7.12	30.3	7.20
	39	19.0	4.42	23.7	5.98	27.2	7.20	27.6	7.24	28.1	7.28	28.9	7.37	29.8	7.45
	41	17.9	4.77	22.4	6.43	26.4	8.10	26.8	8.15	27.3	8.19	28.1	8.29	28.9	8.38
	43	17.9	5.03	22.4	6.80	26.0	8.34	26.4	8.39	26.8	8.44	27.6	8.54	28.5	8.63
	46	17.9	5.46	22.4	7.40	25.3	8.70	25.7	8.75	26.1	8.81	27.0	8.91	27.8	9.02
100	10	17.2	2.20	21.5	2.75	25.8	3.33	28.0	3.63	30.2	3.94	34.5	4.57	35.7	4.50
	12	17.2	2.23	21.5	2.79	25.8	3.39	28.0	3.70	30.2	4.01	34.4	4.65	35.3	4.48
	14	17.2	2.27	21.5	2.84	25.8	3.45	28.0	3.77	30.2	4.09	34.0	4.63	34.8	4.45
	16	17.2	2.30	21.5	2.89	25.8	3.51	28.0	3.84	30.2	4.16	33.5	4.60	34.3	4.61
	18	17.2	2.34	21.5	2.94	25.8	3.58	28.0	3.91	30.2	4.24	33.1	4.80	33.9	4.85
	20	17.2	2.38	21.5	3.00	25.8	3.67	28.0	4.10	30.2	4.56	32.6	5.04	33.4	5.08
	21	17.2	2.40	21.5	3.02	25.8	3.80	28.0	4.25	30.2	4.72	32.4	5.15	33.2	5.20
	23	17.2	2.45	21.5	3.19	25.8	4.06	28.0	4.55	30.2	5.06	31.9	5.39	32.7	5.44
	25	17.2	2.58	21.5	3.40	25.8	4.34	28.0	4.86	30.2	5.41	31.5	5.63	32.3	5.68
	27	17.2	2.74	21.5	3.62	25.8	4.64	28.0	5.19	30.2	5.78	31.0	5.86	31.8	5.92
	29	17.2	2.91	21.5	3.86	25.8	4.95	28.0	5.54	29.8	6.04	30.6	6.10	31.4	6.16
	31	17.2	3.09	21.5	4.11	25.8	5.27	28.0	5.91	29.3	6.28	30.1	6.34	30.9	6.40
	33	17.2	3.28	21.5	4.37	25.8	5.62	28.0	6.30	28.9	6.51	29.7	6.58	30.5	6.65
	35	17.2	3.48	21.5	4.64	25.8	5.98	28.0	6.71	28.4	6.75	29.2	6.82	30.0	6.89
	37	17.2	3.69	21.5	4.93	25.8	6.36	27.5	6.95	27.9	6.99	28.8	7.06	29.6	7.14
	39	17.2	3.91	21.5	5.24	25.8	6.77	27.1	7.19	27.5	7.23	28.3	7.31	29.1	7.38
	41	16.3	4.23	20.4	5.64	24.5	7.27	26.4	8.09	26.7	8.13	27.5	8.22	28.3	8.30
	43	16.3	4.46	20.4	5.96	24.4	7.70	25.9	8.33	26.3	8.37	27.0	8.46	27.8	8.55
	46	16.3	4.83	20.3	6.48	24.4	8.39	25.2	8.69	25.6	8.74	26.3	8.83	27.1	8.93

3D097506B

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.
2. Above 46°C refer to selection software.
   Über 46 °C: siehe Auslegungssoftware
   Πάνω από τους 46°C ανατρέξτε στο λογισμικό επιλογής
   Por encima de 46°C, consulte el software de selección
   Au-delà de 46 °C, voir le logiciel de sélection
   Al di sopra dei 46°C fare riferimento al software di selezione
   Raadpleeg de selectiesoftware boven 46°C
   Выше 46°C — см. программу выбора оборудования
   46°C'nin üzerindeki sıcaklıklar için lütfen seçim yazılımına bakın

5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ10T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	10	15.5	1.99	19.4	2.47	23.3	2.98	25.2	3.24	27.1	3.51	31.0	4.07	34.9	4.63
	12	15.5	2.02	19.4	2.51	23.3	3.03	25.2	3.30	27.1	3.58	31.0	4.14	34.5	4.63
	14	15.5	2.05	19.4	2.55	23.3	3.08	25.2	3.36	27.1	3.64	31.0	4.22	34.1	4.61
	16	15.5	2.08	19.4	2.59	23.3	3.14	25.2	3.42	27.1	3.71	31.0	4.30	33.6	4.59
	18	15.5	2.12	19.4	2.64	23.3	3.19	25.2	3.48	27.1	3.78	31.0	4.42	33.2	4.81
	20	15.5	2.15	19.4	2.68	23.3	3.25	25.2	3.55	27.1	3.93	31.0	4.75	32.7	5.04
	21	15.5	2.17	19.4	2.71	23.3	3.30	25.2	3.67	27.1	4.06	31.0	4.92	32.5	5.16
	23	15.5	2.21	19.4	2.79	23.3	3.52	25.2	3.93	27.1	4.35	31.0	5.27	32.0	5.39
	25	15.5	2.29	19.4	2.97	23.3	3.76	25.2	4.19	27.1	4.65	30.8	5.58	31.6	5.63
	27	15.5	2.43	19.4	3.17	23.3	4.01	25.2	4.48	27.1	4.97	30.4	5.82	31.1	5.87
	29	15.5	2.58	19.4	3.37	23.3	4.28	25.2	4.77	27.1	5.30	29.9	6.05	30.7	6.11
	31	15.5	2.73	19.4	3.58	23.3	4.55	25.2	5.09	27.1	5.65	29.5	6.29	30.2	6.35
	33	15.5	2.90	19.4	3.80	23.3	4.85	25.2	5.42	27.1	6.02	29.0	6.53	29.7	6.59
	35	15.5	3.07	19.4	4.04	23.3	5.15	25.2	5.77	27.1	6.42	28.6	6.76	29.3	6.83
	37	15.5	3.25	19.4	4.29	23.3	5.48	25.2	6.14	27.1	6.83	28.1	7.00	28.8	7.07
	39	15.5	3.44	19.4	4.55	23.3	5.83	25.2	6.53	26.9	7.17	27.7	7.24	28.4	7.31
	41	14.7	3.73	18.3	4.91	22.0	6.27	23.9	7.02	25.7	7.81	26.9	8.15	27.6	8.23
	43	14.7	3.92	18.3	5.18	22.0	6.63	23.8	7.42	25.7	8.27	26.4	8.39	27.1	8.47
	46	14.6	4.24	18.3	5.62	22.0	7.21	23.8	8.09	25.0	8.67	25.7	8.76	26.4	8.84
80	10	13.8	1.79	17.2	2.20	20.7	2.63	22.4	2.86	24.1	3.09	27.6	3.57	31.0	4.07
	12	13.8	1.82	17.2	2.23	20.7	2.68	22.4	2.91	24.1	3.15	27.6	3.64	31.0	4.14
	14	13.8	1.84	17.2	2.27	20.7	2.72	22.4	2.96	24.1	3.20	27.6	3.70	31.0	4.22
	16	13.8	1.87	17.2	2.30	20.7	2.77	22.4	3.01	24.1	3.26	27.6	3.77	31.0	4.30
	18	13.8	1.90	17.2	2.34	20.7	2.82	22.4	3.07	24.1	3.32	27.6	3.84	31.0	4.42
	20	13.8	1.93	17.2	2.38	20.7	2.87	22.4	3.12	24.1	3.38	27.6	4.01	31.0	4.75
	21	13.8	1.94	17.2	2.40	20.7	2.90	22.4	3.15	24.1	3.46	27.6	4.16	31.0	4.92
	23	13.8	1.98	17.2	2.45	20.7	3.03	22.4	3.35	24.1	3.70	27.6	4.45	31.0	5.27
	25	13.8	2.01	17.2	2.58	20.7	3.23	22.4	3.58	24.1	3.95	27.6	4.76	30.8	5.58
	27	13.8	2.13	17.2	2.74	20.7	3.44	22.4	3.82	24.1	4.22	27.6	5.08	30.4	5.82
	29	13.8	2.26	17.2	2.91	20.7	3.66	22.4	4.07	24.1	4.50	27.6	5.42	29.9	6.05
	31	13.8	2.39	17.2	3.09	20.7	3.89	22.4	4.33	24.1	4.79	27.6	5.78	29.5	6.29
	33	13.8	2.53	17.2	3.28	20.7	4.14	22.4	4.60	24.1	5.10	27.6	6.16	29.0	6.53
	35	13.8	2.68	17.2	3.48	20.7	4.40	22.4	4.89	24.1	5.42	27.6	6.57	28.6	6.76
	37	13.8	2.84	17.2	3.69	20.7	4.67	22.4	5.20	24.1	5.77	27.5	6.94	28.1	7.00
	39	13.8	3.00	17.2	3.91	20.7	4.96	22.4	5.53	24.1	6.13	27.0	7.18	27.7	7.24
	41	13.0	3.25	16.3	4.23	19.6	5.34	21.2	5.95	22.8	6.60	26.1	7.99	26.9	8.15
	43	13.0	3.42	16.3	4.46	19.5	5.64	21.2	6.29	22.8	6.98	25.8	8.32	26.4	8.39
	46	13.0	3.69	16.3	4.83	19.5	6.13	21.1	6.84	22.8	7.59	25.1	8.68	25.7	8.76
70	10	12.1	1.60	15.1	1.94	18.1	2.30	19.6	2.49	21.1	2.69	24.1	3.09	27.1	3.51
	12	12.1	1.62	15.1	1.97	18.1	2.34	19.6	2.53	21.1	2.73	24.1	3.15	27.1	3.58
	14	12.1	1.65	15.1	2.00	18.1	2.38	19.6	2.58	21.1	2.78	24.1	3.20	27.1	3.64
	16	12.1	1.67	15.1	2.03	18.1	2.42	19.6	2.62	21.1	2.83	24.1	3.26	27.1	3.71
	18	12.1	1.69	15.1	2.06	18.1	2.46	19.6	2.67	21.1	2.88	24.1	3.32	27.1	3.78
	20	12.1	1.72	15.1	2.10	18.1	2.50	19.6	2.72	21.1	2.93	24.1	3.38	27.1	3.93
	21	12.1	1.73	15.1	2.11	18.1	2.52	19.6	2.74	21.1	2.96	24.1	3.46	27.1	4.06
	23	12.1	1.76	15.1	2.15	18.1	2.57	19.6	2.83	21.1	3.11	24.1	3.70	27.1	4.35
	25	12.1	1.78	15.1	2.21	18.1	2.73	19.6	3.02	21.1	3.31	24.1	3.95	27.1	4.65
	27	12.1	1.86	15.1	2.35	18.1	2.91	19.6	3.21	21.1	3.53	24.1	4.22	27.1	4.97
	29	12.1	1.97	15.1	2.50	18.1	3.09	19.6	3.42	21.1	3.76	24.1	4.50	27.1	5.30
	31	12.1	2.08	15.1	2.65	18.1	3.28	19.6	3.63	21.1	4.00	24.1	4.79	27.1	5.65
	33	12.1	2.20	15.1	2.80	18.1	3.49	19.6	3.86	21.1	4.25	24.1	5.10	27.1	6.02
	35	12.1	2.32	15.1	2.97	18.1	3.70	19.6	4.10	21.1	4.52	24.1	5.42	27.1	6.42
	37	12.1	2.45	15.1	3.14	18.1	3.92	19.6	4.35	21.1	4.80	24.1	5.77	27.1	6.83
	39	12.1	2.59	15.1	3.32	18.1	4.16	19.6	4.61	21.1	5.10	24.1	6.13	26.9	7.17
	41	11.4	2.82	14.3	3.60	17.1	4.50	18.6	4.98	20.0	5.49	22.8	6.60	25.7	7.81
	43	11.4	2.96	14.3	3.79	17.1	4.74	18.5	5.26	20.0	5.80	22.8	6.98	25.7	8.27
	46	11.4	3.19	14.2	4.10	17.1	5.14	18.5	5.70	19.9	6.30	22.8	7.60	25.0	8.67
60	10	10.3	1.42	12.9	1.70	15.5	1.99	16.8	2.15	18.1	2.30	20.7	2.63	23.3	2.98
	12	10.3	1.44	12.9	1.72	15.5	2.02	16.8	2.18	18.1	2.34	20.7	2.68	23.3	3.03
	14	10.3	1.46	12.9	1.74	15.5	2.05	16.8	2.21	18.1	2.38	20.7	2.72	23.3	3.08
	16	10.3	1.48	12.9	1.77	15.5	2.08	16.8	2.25	18.1	2.42	20.7	2.77	23.3	3.14
	18	10.3	1.50	12.9	1.79	15.5	2.12	16.8	2.29	18.1	2.46	20.7	2.82	23.3	3.19
	20	10.3	1.52	12.9	1.82	15.5	2.15	16.8	2.32	18.1	2.50	20.7	2.87	23.3	3.25
	21	10.3	1.53	12.9	1.84	15.5	2.17	16.8	2.34	18.1	2.52	20.7	2.90	23.3	3.30
	23	10.3	1.55	12.9	1.86	15.5	2.21	16.8	2.39	18.1	2.57	20.7	3.03	23.3	3.53
	25	10.3	1.57	12.9	1.90	15.5	2.29	16.8	2.50	18.1	2.73	20.7	3.23	23.3	3.76
	27	10.3	1.61	12.9	1.99	15.5	2.43	16.8	2.66	18.1	2.91	20.7	3.44	23.3	4.01
	29	10.3	1.70	12.9	2.11	15.5	2.58	16.8	2.83	18.1	3.09	20.7	3.66	23.3	4.28
	31	10.3	1.79	12.9	2.24	15.5	2.73	16.8	3.00	18.1	3.29	20.7	3.89	23.3	4.56
	33	10.3	1.89	12.9	2.36	15.5	2.90	16.8	3.18	18.1	3.49	20.7	4.14	23.3	4.85
	35	10.3	2.00	12.9	2.50	15.5	3.07	16.8	3.38	18.1	3.70	20.7	4.40	23.3	5.16
	37	10.3	2.10	12.9	2.64	15.5	3.25	16.8	3.58	18.1	3.92	20.7	4.67	23.3	5.48
	39	10.3	2.21	12.9	2.79	15.5	3.44	16.8	3.79	18.1	4.16	20.7	4.96	23.3	5.83
	41	9.8	2.42	12.2	3.03	14.7	3.73	15.9	4.10	17.1	4.50	19.6	5.35	22.0	6.27
	43	9.8	2.54	12.2	3.19	14.7	3.92	15.9	4.32	17.1	4.74	19.6	5.65	22.0	6.63
	46	9.8	2.72	12.2	3.43	14.6	4.24	15.9	4.68	17.1	5.14	19.5	6.13	22.0	7.21
50	10	8.61	1.25	10.8	1.47	12.9	1.70	14.0	1.82	15.1	1.94	17.2	2.20	19.4	2.47
	12	8.61	1.27	10.8	1.48	12.9	1.72	14.0	1.84	15.1	1.97	17.2	2.23	19.4	2.51
	14	8.61	1.28	10.8	1.50	12.9	1.74	14.0	1.87	15.1	2.00	17.2	2.27	19.4	2.55
	16	8.61	1.29	10.8	1.52	12.9	1.77	14.0	1.90	15.1	2.03	17.2	2.31	19.4	2.59
	18	8.61	1.31	10.8	1.54	12.9	1.79	14.0	1.93	15.1	2.06	17.2	2.34	19.4	2.64
	20	8.61	1.33	10.8	1.56	12.9	1.82	14.0	1.96	15.1	2.10	17.2	2.38	19.4	2.68
	21	8.61	1.33	10.8	1.58	12.9	1.84	14.0	1.97	15.1	2.11	17.2	2.40	19.4	2.71
	23	8.61	1.35	10.8	1.60	12.9	1.86	14.0	2.00	15.1	2.15	17.2	2.45	19.4	2.79
	25	8.61	1.37	10.8	1.62	12.9	1.90	14.0	2.04	15.1	2.21	17.2	2.58	19.4	2.98
	27	8.61	1.39	10.8	1.67	12.9	1.99	14.0	2.17	15.1	2.35	17.2	2.74	19.4	3.17
	29	8.61	1.45	10.8	1.76	12.9	2.11	14.0	2.30	15.1	2.50	17.2	2.92	19.4	3.37
	31	8.61	1.53	10.8	1.86	12.9	2.24	14.0	2.44	15.1	2.65	17.2	3.10	19.4	3.58
	33	8.61	1.61	10.8	1.97	12.9	2.36	14.0	2.58	15.1	2.80	17.2	3.28	19.4	3.81
	35	8.61	1.69	10.8	2.07	12.9	2.50	14.0	2.73	15.1	2.97	17.2	3.48	19.4	4.04
	37	8.61	1.78	10.8	2.19	12.9	2.64	14.0	2.89	15.1	3.14	17.2	3.69	19.4	4.29
	39	8.6	1.87	10.8	2.31	12.9	2.79	14.0	3.05	15.1	3.32	17.2	3.91	19.4	4.55
	41	8.2	2.05	10.2	2.52	12.2	3.03	13.3	3.31	14.3	3.60	16.3	4.23	18.4	4.91
	43	8.1	2.15	10.2	2.64	12.2	3.19	13.2	3.48	14.3	3.80	16.3	4.46	18.3	5.18
	46	8.1	2.30	10.2	2.83	12.2	3.43	13.2	3.76	14.2	4.10	16.3	4.83	18.3	5.62

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5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ12T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	10	26.8	3.84	33.5	4.88	40.2	5.97	42.2	6.17	42.8	6.02	44.1	5.72	45.3	5.41
	12	26.8	3.91	33.5	4.97	40.2	6.08	41.6	6.14	42.3	5.99	43.5	5.68	44.8	5.69
	14	26.8	3.97	33.5	5.06	40.2	6.19	41.1	6.11	41.7	5.95	43.0	5.95	44.2	6.01
	16	26.8	4.05	33.5	5.15	39.9	6.23	40.6	6.16	41.2	6.20	42.4	6.27	43.7	6.34
	18	26.8	4.12	33.5	5.25	39.4	6.44	40.0	6.48	40.6	6.51	41.9	6.59	43.1	6.66
	20	26.8	4.20	33.5	5.51	38.8	6.75	39.5	6.79	40.1	6.83	41.3	6.91	42.6	6.99
	21	26.8	4.23	33.5	5.70	38.6	6.91	39.2	6.95	39.8	6.99	41.1	7.07	42.3	7.16
	23	26.8	4.50	33.5	6.10	38.0	7.22	38.6	7.27	39.3	7.31	40.5	7.40	41.8	7.49
	25	26.8	4.81	33.5	6.53	37.5	7.54	38.1	7.59	38.7	7.63	40.0	7.73	41.2	7.82
	27	26.8	5.12	33.5	6.97	36.9	7.86	37.6	7.91	38.2	7.96	39.4	8.05	40.7	8.15
	29	26.8	5.46	33.5	7.44	36.4	8.18	37.0	8.23	37.6	8.28	38.9	8.38	40.2	8.49
	31	26.8	5.81	33.5	7.94	35.8	8.50	36.5	8.55	37.1	8.61	38.4	8.72	39.6	8.82
	33	26.8	6.18	33.5	8.46	35.3	8.82	35.9	8.87	36.6	8.93	37.8	9.05	39.1	9.16
	35	26.8	6.57	33.5	9.01	34.8	9.14	35.4	9.20	36.0	9.26	37.3	9.38	38.5	9.51
	37	26.8	6.98	33.0	9.33	34.2	9.46	34.8	9.53	35.5	9.59	36.7	9.72	38.0	9.85
	39	26.8	7.42	32.4	9.65	33.7	9.79	34.3	9.86	34.9	9.93	36.2	10.06	37.4	10.20
	41	23.0	6.58	28.7	8.95	32.0	10.28	32.6	10.34	33.1	10.41	34.2	10.53	35.3	10.66
	43	22.9	6.95	28.6	9.46	31.5	10.60	32.0	10.67	32.6	10.74	33.6	10.87	34.7	11.00
	46	22.8	7.53	28.5	10.28	30.6	11.09	31.2	11.16	31.7	11.23	32.8	11.37	33.8	11.51
120	10	24.7	3.54	30.9	4.47	37.1	5.46	40.2	5.97	42.1	6.18	43.3	5.91	44.5	5.63
	12	24.7	3.59	30.9	4.55	37.1	5.56	40.2	6.08	41.6	6.15	42.8	5.87	43.9	5.65
	14	24.7	3.66	30.9	4.63	37.1	5.66	40.2	6.19	41.1	6.12	42.2	5.91	43.4	5.97
	16	24.7	3.72	30.9	4.72	37.1	5.77	39.9	6.23	40.5	6.16	41.7	6.22	42.8	6.29
	18	24.7	3.79	30.9	4.81	37.1	5.93	39.4	6.44	40.0	6.47	41.1	6.54	42.3	6.61
	20	24.7	3.85	30.9	4.93	37.1	6.37	38.8	6.75	39.4	6.79	40.6	6.86	41.7	6.94
	21	24.7	3.89	30.9	5.10	37.1	6.60	38.6	6.91	39.1	6.95	40.3	7.02	41.5	7.10
	23	24.7	4.06	30.9	5.46	37.1	7.07	38.0	7.22	38.6	7.26	39.8	7.34	40.9	7.43
	25	24.7	4.33	30.9	5.83	36.9	7.50	37.5	7.54	38.1	7.58	39.2	7.67	40.4	7.75
	27	24.7	4.62	30.9	6.23	36.4	7.81	36.9	7.86	37.5	7.90	38.7	7.99	39.8	8.08
	29	24.7	4.91	30.9	6.64	35.8	8.13	36.4	8.18	37.0	8.22	38.1	8.32	39.3	8.42
	31	24.7	5.23	30.9	7.08	35.3	8.44	35.8	8.50	36.4	8.55	37.6	8.65	38.7	8.75
	33	24.7	5.56	30.9	7.54	34.7	8.76	35.3	8.82	35.9	8.87	37.0	8.98	38.2	9.08
	35	24.7	5.90	30.9	8.03	34.2	9.08	34.8	9.14	35.3	9.20	36.5	9.31	37.6	9.42
	37	24.7	6.27	30.9	8.54	33.6	9.40	34.2	9.46	34.8	9.52	35.9	9.64	37.1	9.76
	39	24.7	6.65	30.9	9.09	33.1	9.73	33.7	9.79	34.2	9.85	35.4	9.98	36.6	10.10
	41	21.2	5.93	26.5	7.99	31.6	10.22	32.0	10.28	32.5	10.34	33.5	10.46	34.5	10.57
	43	21.1	6.26	26.4	8.45	31.0	10.54	31.5	10.60	32.0	10.66	33.0	10.79	34.0	10.91
	46	21.0	6.77	26.3	9.17	30.1	11.02	30.6	11.09	31.1	11.15	32.1	11.28	33.1	11.42
110	10	22.7	3.24	28.3	4.07	34.0	4.96	36.8	5.42	39.7	5.88	42.5	6.09	43.6	5.84
	12	22.7	3.29	28.3	4.15	34.0	5.05	36.8	5.52	39.7	5.99	42.0	6.06	43.0	5.80
	14	22.7	3.35	28.3	4.22	34.0	5.14	36.8	5.62	39.7	6.10	41.4	6.03	42.5	5.92
	16	22.7	3.40	28.3	4.29	34.0	5.24	36.8	5.72	39.7	6.21	40.9	6.18	42.0	6.24
	18	22.7	3.46	28.3	4.37	34.0	5.34	36.8	5.87	39.3	6.43	40.4	6.50	41.4	6.56
	20	22.7	3.52	28.3	4.46	34.0	5.63	36.8	6.31	38.7	6.75	39.8	6.81	40.9	6.88
	21	22.7	3.55	28.3	4.54	34.0	5.83	36.8	6.53	38.5	6.90	39.5	6.97	40.6	7.04
	23	22.7	3.65	28.3	4.85	34.0	6.24	36.8	7.00	37.9	7.22	39.0	7.29	40.0	7.36
	25	22.7	3.89	28.3	5.18	34.0	6.67	36.8	7.49	37.4	7.53	38.4	7.61	39.5	7.69
	27	22.7	4.14	28.3	5.52	34.0	7.13	36.3	7.81	36.8	7.85	37.9	7.93	39.0	8.02
	29	22.7	4.40	28.3	5.89	34.0	7.61	35.8	8.12	36.3	8.17	37.4	8.26	38.4	8.34
	31	22.7	4.67	28.3	6.27	34.0	8.12	35.2	8.44	35.7	8.49	36.8	8.58	37.9	8.67
	33	22.7	4.96	28.3	6.67	34.0	8.65	34.7	8.76	35.2	8.81	36.3	8.91	37.3	9.00
	35	22.7	5.27	28.3	7.10	33.6	9.03	34.1	9.08	34.7	9.13	35.7	9.23	36.8	9.34
	37	22.7	5.59	28.3	7.55	33.1	9.34	33.6	9.40	34.1	9.45	35.2	9.56	36.2	9.67
	39	22.7	5.93	28.3	8.03	32.5	9.66	33.0	9.72	33.6	9.78	34.6	9.89	35.7	10.01
	41	19.4	5.32	24.3	7.10	29.2	9.14	31.5	10.22	32.0	10.27	32.9	10.38	33.8	10.49
	43	19.4	5.61	24.2	7.49	29.1	9.67	30.9	10.54	31.4	10.59	32.3	10.70	33.2	10.82
	46	19.3	6.06	24.1	8.12	28.9	10.51	30.1	11.02	30.6	11.08	31.5	11.20	32.4	11.32
100	10	20.6	2.95	25.8	3.69	30.9	4.47	33.5	4.88	36.1	5.30	41.2	6.14	42.7	6.05
	12	20.6	3.00	25.8	3.75	30.9	4.55	33.5	4.97	36.1	5.39	41.2	6.24	42.2	6.01
	14	20.6	3.04	25.8	3.81	30.9	4.63	33.5	5.06	36.1	5.49	40.7	6.21	41.6	5.98
	16	20.6	3.09	25.8	3.88	30.9	4.72	33.5	5.15	36.1	5.59	40.1	6.18	41.1	6.19
	18	20.6	3.15	25.8	3.95	30.9	4.81	33.5	5.25	36.1	5.70	39.6	6.45	40.5	6.51
	20	20.6	3.20	25.8	4.02	30.9	4.93	33.5	5.51	36.1	6.12	39.0	6.76	40.0	6.83
	21	20.6	3.23	25.8	4.06	30.9	5.10	33.5	5.70	36.1	6.34	38.8	6.92	39.7	6.98
	23	20.6	3.29	25.8	4.28	30.9	5.46	33.5	6.10	36.1	6.79	38.2	7.24	39.2	7.30
	25	20.6	3.46	25.8	4.57	30.9	5.83	33.5	6.53	36.1	7.26	37.7	7.55	38.6	7.63
	27	20.6	3.68	25.8	4.87	30.9	6.23	33.5	6.97	36.1	7.77	37.1	7.87	38.1	7.95
	29	20.6	3.91	25.8	5.18	30.9	6.64	33.5	7.44	35.6	8.11	36.6	8.19	37.5	8.27
	31	20.6	4.16	25.8	5.51	30.9	7.08	33.5	7.94	35.1	8.43	36.0	8.51	37.0	8.60
	33	20.6	4.41	25.8	5.86	30.9	7.54	33.5	8.46	34.5	8.75	35.5	8.83	36.5	8.92
	35	20.6	4.67	25.8	6.23	30.9	8.03	33.5	9.01	34.0	9.06	34.9	9.16	35.9	9.25
	37	20.6	4.96	25.8	6.62	30.9	8.54	33.0	9.33	33.4	9.38	34.4	9.48	35.4	9.58
	39	20.6	5.25	25.8	7.03	30.9	9.09	32.4	9.65	32.9	9.71	33.9	9.81	34.8	9.92
	41	17.7	4.74	22.1	6.26	26.5	7.99	28.7	8.95	30.9	9.96	32.2	10.30	33.0	10.40
	43	17.6	4.99	22.0	6.60	26.4	8.45	28.6	9.46	30.8	10.52	31.6	10.62	32.5	10.73
	46	17.5	5.39	21.9	7.15	26.3	9.17	28.5	10.28	30.0	11.00	30.8	11.11	31.6	11.22

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.
2. Above 46°C refer to selection software.
   Über 46 °C: siehe Auslegungssoftware
   Πάνω από τους 46°C ανατρέξτε στο λογισμικό επιλογής
   Por encima de 46°C, consulte el software de selección
   Au-delà de 46 °C, voir le logiciel de sélection
   Al di sopra dei 46°C fare riferimento al software di selezione
   Raadpleeg de selectiesoftware boven 46°C
   Выше 46°C — см. программу выбора оборудования
   46°C'nin üzerindeki sıcaklıklar için lütfen seçim yazılımına bakın

5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ12T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	10	18.6	2.67	23.2	3.31	27.8	4.00	30.1	4.35	32.5	4.72	37.1	5.46	41.7	6.22
	12	18.6	2.71	23.2	3.37	27.8	4.07	30.1	4.43	32.5	4.80	37.1	5.56	41.3	6.22
	14	18.6	2.75	23.2	3.42	27.8	4.14	30.1	4.51	32.5	4.89	37.1	5.66	40.8	6.19
	16	18.6	2.80	23.2	3.48	27.8	4.21	30.1	4.59	32.5	4.98	37.1	5.77	40.2	6.16
	18	18.6	2.84	23.2	3.54	27.8	4.29	30.1	4.68	32.5	5.07	37.1	5.94	39.7	6.46
	20	18.6	2.89	23.2	3.60	27.8	4.37	30.1	4.76	32.5	5.27	37.1	6.37	39.1	6.77
	21	18.6	2.91	23.2	3.64	27.8	4.43	30.1	4.93	32.5	5.46	37.1	6.60	38.9	6.93
	23	18.6	2.96	23.2	3.75	27.8	4.73	30.1	5.27	32.5	5.84	37.1	7.07	38.3	7.24
	25	18.6	3.07	23.2	3.99	27.8	5.05	30.1	5.63	32.5	6.25	36.9	7.50	37.8	7.56
	27	18.6	3.26	23.2	4.25	27.8	5.39	30.1	6.01	32.5	6.67	36.4	7.81	37.2	7.88
	29	18.6	3.46	23.2	4.52	27.8	5.74	30.1	6.41	32.5	7.12	35.8	8.13	36.7	8.20
	31	18.6	3.67	23.2	4.81	27.8	6.12	30.1	6.83	32.5	7.59	35.3	8.44	36.1	8.52
	33	18.6	3.89	23.2	5.11	27.8	6.51	30.1	7.27	32.5	8.09	34.7	8.76	35.6	8.84
	35	18.6	4.12	23.2	5.42	27.8	6.92	30.1	7.74	32.5	8.61	34.2	9.08	35.0	9.17
	37	18.6	4.36	23.2	5.76	27.8	7.36	30.1	8.24	32.5	9.17	33.6	9.40	34.5	9.49
	39	18.6	4.62	23.2	6.11	27.8	7.82	30.1	8.76	32.2	9.63	33.1	9.73	34.0	9.82
	41	15.9	4.20	19.9	5.47	23.9	6.92	25.9	7.72	27.8	8.56	31.6	10.22	32.3	10.31
	43	15.9	4.42	19.8	5.77	23.8	7.31	25.8	8.15	27.8	9.05	31.0	10.54	31.7	10.63
	46	15.8	4.76	19.7	6.23	23.7	7.92	25.6	8.85	27.6	9.83	30.1	11.02	30.9	11.12
80	10	16.5	2.41	20.6	2.95	24.7	3.54	26.8	3.84	28.9	4.15	33.0	4.80	37.1	5.46
	12	16.5	2.44	20.6	3.00	24.7	3.59	26.8	3.91	28.9	4.23	33.0	4.89	37.1	5.56
	14	16.5	2.48	20.6	3.04	24.7	3.66	26.8	3.97	28.9	4.30	33.0	4.97	37.1	5.66
	16	16.5	2.51	20.6	3.09	24.7	3.72	26.8	4.05	28.9	4.38	33.0	5.07	37.1	5.77
	18	16.5	2.55	20.6	3.15	24.7	3.79	26.8	4.12	28.9	4.46	33.0	5.16	37.1	5.94
	20	16.5	2.59	20.6	3.20	24.7	3.85	26.8	4.20	28.9	4.54	33.0	5.39	37.1	6.37
	21	16.5	2.61	20.6	3.23	24.7	3.89	26.8	4.23	28.9	4.65	33.0	5.58	37.1	6.60
	23	16.5	2.65	20.6	3.29	24.7	4.06	26.8	4.50	28.9	4.97	33.0	5.97	37.1	7.07
	25	16.5	2.70	20.6	3.46	24.7	4.33	26.8	4.81	28.9	5.31	33.0	6.39	36.9	7.50
	27	16.5	2.86	20.6	3.68	24.7	4.62	26.8	5.12	28.9	5.66	33.0	6.82	36.4	7.81
	29	16.5	3.04	20.6	3.91	24.7	4.91	26.8	5.46	28.9	6.04	33.0	7.28	35.8	8.13
	31	16.5	3.22	20.6	4.16	24.7	5.23	26.8	5.81	28.9	6.43	33.0	7.77	35.3	8.44
	33	16.5	3.40	20.6	4.41	24.7	5.56	26.8	6.18	28.9	6.84	33.0	8.28	34.7	8.76
	35	16.5	3.60	20.6	4.67	24.7	5.90	26.8	6.57	28.9	7.28	33.0	8.82	34.2	9.08
	37	16.5	3.81	20.6	4.96	24.7	6.27	26.8	6.98	28.9	7.75	32.9	9.32	33.6	9.40
	39	16.5	4.02	20.6	5.25	24.7	6.65	26.8	7.42	28.9	8.23	32.3	9.64	33.1	9.73
	41	14.1	3.69	17.7	4.74	21.2	5.93	23.0	6.58	24.8	7.27	28.3	8.75	31.6	10.22
	43	14.1	3.88	17.6	4.99	21.1	6.26	22.9	6.95	24.7	7.68	28.2	9.25	31.0	10.54
	46	14.0	4.17	17.5	5.39	21.0	6.77	22.8	7.53	24.6	8.33	28.1	10.06	30.1	11.02
70	10	14.4	2.15	18.0	2.61	21.6	3.09	23.4	3.35	25.3	3.61	28.9	4.15	32.5	4.72
	12	14.4	2.18	18.0	2.64	21.6	3.14	23.4	3.40	25.3	3.67	28.9	4.23	32.5	4.80
	14	14.4	2.21	18.0	2.68	21.6	3.19	23.4	3.46	25.3	3.74	28.9	4.30	32.5	4.89
	16	14.4	2.24	18.0	2.73	21.6	3.25	23.4	3.52	25.3	3.80	28.9	4.38	32.5	4.98
	18	14.4	2.27	18.0	2.77	21.6	3.30	23.4	3.58	25.3	3.87	28.9	4.46	32.5	5.07
	20	14.4	2.31	18.0	2.81	21.6	3.36	23.4	3.65	25.3	3.94	28.9	4.54	32.5	5.27
	21	14.4	2.32	18.0	2.84	21.6	3.39	23.4	3.68	25.3	3.98	28.9	4.65	32.5	5.46
	23	14.4	2.36	18.0	2.88	21.6	3.45	23.4	3.80	25.3	4.17	28.9	4.97	32.5	5.84
	25	14.4	2.39	18.0	2.97	21.6	3.67	23.4	4.05	25.3	4.45	28.9	5.31	32.5	6.25
	27	14.4	2.50	18.0	3.16	21.6	3.91	23.4	4.31	25.3	4.74	28.9	5.66	32.5	6.67
	29	14.4	2.64	18.0	3.35	21.6	4.15	23.4	4.59	25.3	5.05	28.9	6.04	32.5	7.12
	31	14.4	2.80	18.0	3.55	21.6	4.41	23.4	4.88	25.3	5.37	28.9	6.43	32.5	7.59
	33	14.4	2.95	18.0	3.76	21.6	4.68	23.4	5.18	25.3	5.71	28.9	6.85	32.5	8.09
	35	14.4	3.12	18.0	3.99	21.6	4.97	23.4	5.50	25.3	6.07	28.9	7.28	32.5	8.62
	37	14.4	3.29	18.0	4.22	21.6	5.27	23.4	5.84	25.3	6.44	28.9	7.75	32.5	9.17
	39	14.4	3.48	18.0	4.46	21.6	5.58	23.4	6.20	25.3	6.84	28.9	8.24	32.2	9.63
	41	12.4	3.22	15.5	4.07	18.6	5.03	20.1	5.55	21.7	6.09	24.8	7.27	27.8	8.56
	43	12.3	3.38	15.4	4.28	18.5	5.29	20.0	5.85	21.6	6.43	24.7	7.68	27.8	9.05
	46	12.3	3.63	15.3	4.61	18.4	5.72	19.9	6.32	21.5	6.96	24.6	8.33	27.6	9.83
60	10	12.4	1.91	15.5	2.28	18.6	2.67	20.1	2.88	21.6	3.09	24.7	3.54	27.8	4.00
	12	12.4	1.93	15.5	2.31	18.6	2.71	20.1	2.92	21.6	3.14	24.7	3.60	27.8	4.07
	14	12.4	1.96	15.5	2.34	18.6	2.75	20.1	2.97	21.6	3.19	24.7	3.66	27.8	4.14
	16	12.4	1.98	15.5	2.38	18.6	2.80	20.1	3.02	21.6	3.25	24.7	3.72	27.8	4.21
	18	12.4	2.01	15.5	2.41	18.6	2.84	20.1	3.07	21.6	3.30	24.7	3.79	27.8	4.29
	20	12.4	2.03	15.5	2.45	18.6	2.89	20.1	3.12	21.6	3.36	24.7	3.86	27.8	4.37
	21	12.4	2.05	15.5	2.47	18.6	2.91	20.1	3.15	21.6	3.39	24.7	3.89	27.8	4.43
	23	12.4	2.08	15.5	2.50	18.6	2.96	20.1	3.20	21.6	3.45	24.7	4.06	27.8	4.73
	25	12.4	2.11	15.5	2.54	18.6	3.07	20.1	3.36	21.6	3.67	24.7	4.33	27.8	5.05
	27	12.4	2.16	15.5	2.68	18.6	3.26	20.1	3.57	21.6	3.91	24.7	4.62	27.8	5.39
	29	12.4	2.28	15.5	2.84	18.6	3.46	20.1	3.80	21.6	4.15	24.7	4.92	27.8	5.74
	31	12.4	2.41	15.5	3.00	18.6	3.67	20.1	4.03	21.6	4.41	24.7	5.23	27.8	6.12
	33	12.4	2.54	15.5	3.17	18.6	3.89	20.1	4.28	21.6	4.68	24.7	5.56	27.8	6.51
	35	12.4	2.68	15.5	3.36	18.6	4.12	20.1	4.53	21.6	4.97	24.7	5.90	27.8	6.92
	37	12.4	2.82	15.5	3.55	18.6	4.36	20.1	4.80	21.6	5.27	24.7	6.27	27.8	7.36
	39	12.4	2.97	15.5	3.74	18.6	4.62	20.1	5.09	21.6	5.59	24.7	6.66	27.8	7.82
	41	10.6	2.79	13.3	3.45	15.9	4.20	17.2	4.60	18.6	5.03	21.2	5.94	23.9	6.92
	43	10.6	2.92	13.2	3.63	15.9	4.42	17.2	4.84	18.5	5.29	21.2	6.26	23.8	7.31
	46	10.5	3.13	13.2	3.90	15.8	4.76	17.1	5.23	18.4	5.72	21.1	6.78	23.7	7.93
50	10	10.31	1.68	12.9	1.97	15.5	2.28	16.7	2.44	18.0	2.61	20.6	2.95	23.2	3.31
	12	10.31	1.70	12.9	1.99	15.5	2.31	16.7	2.47	18.0	2.64	20.6	3.00	23.2	3.37
	14	10.31	1.72	12.9	2.02	15.5	2.34	16.7	2.51	18.0	2.68	20.6	3.05	23.2	3.42
	16	10.31	1.74	12.9	2.05	15.5	2.38	16.7	2.55	18.0	2.73	20.6	3.10	23.2	3.48
	18	10.31	1.76	12.9	2.07	15.5	2.41	16.7	2.59	18.0	2.77	20.6	3.15	23.2	3.54
	20	10.31	1.78	12.9	2.10	15.5	2.45	16.7	2.63	18.0	2.81	20.6	3.20	23.2	3.61
	21	10.31	1.79	12.9	2.12	15.5	2.47	16.7	2.65	18.0	2.84	20.6	3.23	23.2	3.64
	23	10.31	1.81	12.9	2.15	15.5	2.50	16.7	2.69	18.0	2.89	20.6	3.29	23.2	3.75
	25	10.31	1.84	12.9	2.18	15.5	2.54	16.7	2.74	18.0	2.97	20.6	3.46	23.2	4.00
	27	10.31	1.86	12.9	2.24	15.5	2.68	16.7	2.91	18.0	3.16	20.6	3.68	23.2	4.25
	29	10.31	1.95	12.9	2.37	15.5	2.84	16.7	3.09	18.0	3.35	20.6	3.92	23.2	4.53
	31	10.31	2.05	12.9	2.50	15.5	3.00	16.7	3.27	18.0	3.55	20.6	4.16	23.2	4.81
	33	10.31	2.16	12.9	2.64	15.5	3.17	16.7	3.46	18.0	3.76	20.6	4.41	23.2	5.11
	35	10.31	2.28	12.9	2.79	15.5	3.36	16.7	3.66	18.0	3.99	20.6	4.68	23.2	5.43
	37	10.31	2.39	12.9	2.94	15.5	3.55	16.7	3.87	18.0	4.22	20.6	4.96	23.2	5.76
	39	10.3	2.52	12.9	3.10	15.5	3.74	16.7	4.10	18.0	4.46	20.6	5.25	23.2	6.11
	41	8.8	2.39	11.0	2.89	13.3	3.45	14.4	3.76	15.5	4.07	17.7	4.74	19.9	5.47
	43	8.8	2.50	11.0	3.03	13.2	3.63	14.3	3.94	15.4	4.28	17.6	4.99	19.8	5.77
	46	8.8	2.67	11.0	3.25	13.2	3.90	14.2	4.24	15.3	4.61	17.5	5.39	19.7	6.24

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5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ14T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	10	32.0	5.14	40.0	6.50	48.0	7.93	50.4	8.20	51.1	8.00	52.6	7.60	54.1	7.18
	12	32.0	5.23	40.0	6.62	48.0	8.07	49.7	8.15	50.5	7.95	52.0	7.54	53.5	7.55
	14	32.0	5.32	40.0	6.74	48.0	8.22	49.1	8.11	49.8	7.91	51.3	7.89	52.8	7.98
	16	32.0	5.41	40.0	6.86	47.7	8.27	48.4	8.18	49.2	8.23	50.7	8.32	52.2	8.41
	18	32.0	5.51	40.0	6.99	47.0	8.55	47.8	8.60	48.5	8.65	50.0	8.75	51.5	8.85
	20	32.0	5.61	40.0	7.33	46.4	8.97	47.1	9.02	47.9	9.07	49.4	9.18	50.9	9.28
	21	32.0	5.66	40.0	7.59	46.1	9.17	46.8	9.23	47.5	9.28	49.0	9.39	50.5	9.50
	23	32.0	6.01	40.0	8.12	45.4	9.59	46.1	9.65	46.9	9.71	48.4	9.82	49.9	9.94
	25	32.0	6.42	40.0	8.68	44.7	10.01	45.5	10.07	46.2	10.13	47.7	10.26	49.2	10.38
	27	32.0	6.84	40.0	9.27	44.1	10.43	44.8	10.50	45.6	10.56	47.1	10.69	48.6	10.82
	29	32.0	7.28	40.0	9.89	43.4	10.86	44.2	10.92	44.9	10.99	46.4	11.13	47.9	11.27
	31	32.0	7.75	40.0	10.55	42.8	11.28	43.5	11.35	44.3	11.43	45.8	11.57	47.3	11.72
	33	32.0	8.24	40.0	11.24	42.1	11.71	42.9	11.78	43.6	11.86	45.1	12.02	46.6	12.17
	35	32.0	8.76	40.0	11.97	41.5	12.13	42.2	12.22	43.0	12.30	44.5	12.46	46.0	12.62
	37	32.0	9.31	39.3	12.39	40.8	12.57	41.6	12.65	42.3	12.74	43.8	12.91	45.3	13.08
	39	32.0	9.88	38.7	12.82	40.2	13.00	40.9	13.09	41.7	13.18	43.2	13.36	44.7	13.54
	41	25.9	7.03	32.3	9.45	37.8	11.73	38.4	11.79	39.0	11.86	40.2	12.00	41.5	12.14
	43	25.8	7.44	32.2	10.02	37.1	12.15	37.7	12.22	38.4	12.29	39.6	12.43	40.8	12.58
	46	25.6	8.08	32.0	10.92	36.1	12.78	36.7	12.86	37.3	12.93	38.5	13.09	39.7	13.25
120	10	29.5	4.74	36.9	5.97	44.3	7.27	48.0	7.93	50.3	8.21	51.7	7.84	53.1	7.47
	12	29.5	4.82	36.9	6.07	44.3	7.39	48.0	8.07	49.7	8.17	51.1	7.80	52.4	7.50
	14	29.5	4.90	36.9	6.18	44.3	7.53	48.0	8.22	49.0	8.13	50.4	7.84	51.8	7.92
	16	29.5	4.98	36.9	6.29	44.3	7.67	47.7	8.27	48.4	8.18	49.8	8.26	51.1	8.35
	18	29.5	5.07	36.9	6.41	44.3	7.89	47.0	8.55	47.7	8.60	49.1	8.69	50.5	8.78
	20	29.5	5.16	36.9	6.57	44.3	8.47	46.4	8.97	47.1	9.01	48.5	9.11	49.8	9.21
	21	29.5	5.21	36.9	6.80	44.3	8.77	46.1	9.17	46.7	9.22	48.1	9.32	49.5	9.43
	23	29.5	5.43	36.9	7.27	44.3	9.39	45.4	9.59	46.1	9.65	47.5	9.75	48.9	9.86
	25	29.5	5.79	36.9	7.77	44.1	9.95	44.7	10.01	45.4	10.07	46.8	10.18	48.2	10.30
	27	29.5	6.17	36.9	8.29	43.4	10.37	44.1	10.43	44.8	10.49	46.2	10.61	47.6	10.73
	29	29.5	6.57	36.9	8.84	42.8	10.79	43.4	10.86	44.1	10.92	45.5	11.05	46.9	11.17
	31	29.5	6.98	36.9	9.42	42.1	11.21	42.8	11.28	43.5	11.35	44.9	11.48	46.3	11.62
	33	29.5	7.42	36.9	10.03	41.5	11.64	42.1	11.71	42.8	11.78	44.2	11.92	45.6	12.06
	35	29.5	7.88	36.9	10.67	40.8	12.06	41.5	12.13	42.2	12.21	43.6	12.36	45.0	12.51
	37	29.5	8.36	36.9	11.35	40.2	12.49	40.8	12.57	41.5	12.64	42.9	12.80	44.3	12.96
	39	29.5	8.87	36.9	12.08	39.5	12.91	40.2	13.00	40.9	13.08	42.3	13.25	43.7	13.42
	41	23.9	6.36	29.9	8.48	35.8	10.91	37.8	11.73	38.4	11.79	39.5	11.92	40.6	12.04
	43	23.8	6.72	29.7	8.98	35.7	11.58	37.1	12.15	37.7	12.21	38.8	12.35	39.9	12.48
	46	23.6	7.30	29.5	9.77	35.4	12.63	36.1	12.78	36.7	12.85	37.8	12.99	38.9	13.14
110	10	27.1	4.35	33.8	5.45	40.6	6.61	44.0	7.21	47.4	7.82	50.8	8.09	52.0	7.75
	12	27.1	4.42	33.8	5.54	40.6	6.73	44.0	7.34	47.4	7.96	50.1	8.05	51.4	7.70
	14	27.1	4.49	33.8	5.64	40.6	6.85	44.0	7.47	47.4	8.10	49.5	8.00	50.7	7.86
	16	27.1	4.57	33.8	5.74	40.6	6.97	44.0	7.61	47.4	8.25	48.8	8.21	50.1	8.28
	18	27.1	4.64	33.8	5.84	40.6	7.10	44.0	7.81	46.9	8.54	48.2	8.63	49.4	8.71
	20	27.1	4.72	33.8	5.95	40.6	7.49	44.0	8.38	46.3	8.96	47.5	9.05	48.8	9.14
	21	27.1	4.76	33.8	6.05	40.6	7.75	44.0	8.68	45.9	9.17	47.2	9.26	48.5	9.35
	23	27.1	4.89	33.8	6.47	40.6	8.30	44.0	9.30	45.3	9.58	46.6	9.68	47.8	9.78
	25	27.1	5.20	33.8	6.91	40.6	8.87	44.0	9.95	44.6	10.00	45.9	10.11	47.2	10.21
	27	27.1	5.54	33.8	7.37	40.6	9.47	43.4	10.37	44.0	10.42	45.3	10.53	46.5	10.64
	29	27.1	5.89	33.8	7.85	40.6	10.11	42.7	10.79	43.3	10.84	44.6	10.96	45.9	11.08
	31	27.1	6.25	33.8	8.36	40.6	10.78	42.0	11.21	42.7	11.27	44.0	11.39	45.2	11.52
	33	27.1	6.64	33.8	8.89	40.6	11.49	41.4	11.63	42.0	11.69	43.3	11.83	44.6	11.96
	35	27.1	7.04	33.8	9.45	40.1	11.98	40.7	12.05	41.4	12.12	42.6	12.26	43.9	12.40
	37	27.1	7.47	33.8	10.05	39.5	12.41	40.1	12.48	40.7	12.55	42.0	12.70	43.3	12.84
	39	27.1	7.92	33.8	10.68	38.8	12.83	39.4	12.91	40.1	12.98	41.3	13.14	42.6	13.29
	41	21.9	5.73	27.4	7.56	32.8	9.65	35.6	10.81	37.7	11.72	38.8	11.83	39.8	11.95
	43	21.8	6.05	27.3	8.00	32.7	10.23	35.4	11.46	37.1	12.13	38.1	12.26	39.1	12.38
	46	21.7	6.56	27.1	8.70	32.5	11.15	35.2	12.51	36.0	12.77	37.0	12.90	38.1	13.03
100	10	24.6	3.97	30.8	4.94	36.9	5.97	40.0	6.50	43.1	7.05	49.2	8.15	51.0	8.03
	12	24.6	4.03	30.8	5.02	36.9	6.07	40.0	6.62	43.1	7.17	49.2	8.29	50.4	7.98
	14	24.6	4.10	30.8	5.11	36.9	6.18	40.0	6.74	43.1	7.30	48.6	8.25	49.7	7.94
	16	24.6	4.16	30.8	5.19	36.9	6.29	40.0	6.86	43.1	7.44	47.9	8.21	49.1	8.22
	18	24.6	4.23	30.8	5.29	36.9	6.41	40.0	6.99	43.1	7.58	47.3	8.56	48.4	8.64
	20	24.6	4.30	30.8	5.38	36.9	6.57	40.0	7.33	43.1	8.13	46.6	8.98	47.8	9.06
	21	24.6	4.34	30.8	5.43	36.9	6.80	40.0	7.59	43.1	8.42	46.3	9.19	47.4	9.27
	23	24.6	4.41	30.8	5.72	36.9	7.27	40.0	8.12	43.1	9.02	45.6	9.61	46.8	9.70
	25	24.6	4.65	30.8	6.10	36.9	7.77	40.0	8.68	43.1	9.65	45.0	10.03	46.1	10.13
	27	24.6	4.94	30.8	6.50	36.9	8.29	40.0	9.27	43.1	10.31	44.3	10.45	45.5	10.55
	29	24.6	5.25	30.8	6.92	36.9	8.84	40.0	9.89	42.5	10.77	43.7	10.88	44.8	10.98
	31	24.6	5.57	30.8	7.36	36.9	9.42	40.0	10.55	41.9	11.19	43.0	11.30	44.2	11.41
	33	24.6	5.91	30.8	7.82	36.9	10.03	40.0	11.24	41.2	11.61	42.4	11.73	43.5	11.85
	35	24.6	6.26	30.8	8.31	36.9	10.67	40.0	11.97	40.6	12.03	41.7	12.16	42.9	12.29
	37	24.6	6.64	30.8	8.83	36.9	11.35	39.3	12.39	39.9	12.46	41.1	12.59	42.2	12.72
	39	24.6	7.03	30.8	9.37	36.9	12.08	38.7	12.82	39.3	12.89	40.4	13.03	41.6	13.17
	41	19.9	5.13	24.9	6.69	29.9	8.48	32.3	9.45	34.8	10.49	38.0	11.75	38.9	11.85
	43	19.8	5.42	24.8	7.08	29.7	8.98	32.2	10.02	34.7	11.12	37.3	12.17	38.3	12.28
	46	19.7	5.86	24.6	7.69	29.5	9.77	32.0	10.92	34.5	12.13	36.3	12.80	37.2	12.92

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.
2. Above 46°C refer to selection software.
   Über 46 °C: siehe Auslegungssoftware
   Πάνω από τους 46°C ανατρέξτε στο λογισμικό επιλογής
   Por encima de 46°C, consulte el software de selección
   Au-delà de 46 °C, voir le logiciel de sélection
   Al di sopra dei 46°C fare riferimento al software di selezione
   Raadpleeg de selectiesoftware boven 46°C
   Выше 46°C — см. программу выбора оборудования
   46°C'nin üzerindeki sıcaklıklar için lütfen seçim yazılımına bakın

5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ14T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	10	22.2	3.61	27.7	4.45	33.2	5.35	36.0	5.81	38.8	6.29	44.3	7.27	49.8	8.26
	12	22.2	3.66	27.7	4.52	33.2	5.44	36.0	5.91	38.8	6.40	44.3	7.40	49.3	8.26
	14	22.2	3.71	27.7	4.59	33.2	5.53	36.0	6.02	38.8	6.51	44.3	7.53	48.7	8.22
	16	22.2	3.77	27.7	4.67	33.2	5.63	36.0	6.12	38.8	6.63	44.3	7.67	48.0	8.18
	18	22.2	3.83	27.7	4.75	33.2	5.73	36.0	6.24	38.8	6.75	44.3	7.89	47.4	8.57
	20	22.2	3.89	27.7	4.83	33.2	5.83	36.0	6.35	38.8	7.02	44.3	8.47	46.7	8.99
	21	22.2	3.92	27.7	4.87	33.2	5.91	36.0	6.57	38.8	7.27	44.3	8.77	46.4	9.20
	23	22.2	3.99	27.7	5.02	33.2	6.32	36.0	7.03	38.8	7.78	44.3	9.40	45.7	9.62
	25	22.2	4.13	27.7	5.35	33.2	6.74	36.0	7.50	38.8	8.31	44.1	9.95	45.1	10.04
	27	22.2	4.38	27.7	5.69	33.2	7.19	36.0	8.01	38.8	8.87	43.4	10.37	44.4	10.46
	29	22.2	4.65	27.7	6.05	33.2	7.66	36.0	8.53	38.8	9.46	42.8	10.79	43.8	10.89
	31	22.2	4.93	27.7	6.43	33.2	8.15	36.0	9.09	38.8	10.09	42.1	11.21	43.1	11.31
	33	22.2	5.22	27.7	6.83	33.2	8.67	36.0	9.68	38.8	10.75	41.5	11.64	42.5	11.74
	35	22.2	5.53	27.7	7.25	33.2	9.22	36.0	10.30	38.8	11.44	40.8	12.06	41.8	12.17
	37	22.2	5.85	27.7	7.69	33.2	9.80	36.0	10.95	38.8	12.18	40.2	12.49	41.2	12.61
	39	22.2	6.19	27.7	8.15	33.2	10.41	36.0	11.65	38.5	12.79	39.5	12.92	40.5	13.04
	41	17.9	4.57	22.4	5.88	26.9	7.38	29.1	8.19	31.4	9.06	35.8	10.92	38.1	11.76
	43	17.8	4.82	22.3	6.22	26.8	7.81	29.0	8.68	31.2	9.60	35.7	11.58	37.4	12.18
	46	17.7	5.21	22.2	6.74	26.6	8.49	28.8	9.44	31.0	10.45	35.5	12.64	36.4	12.81
80	10	19.7	3.26	24.6	3.97	29.5	4.74	32.0	5.14	34.5	5.55	39.4	6.40	44.3	7.27
	12	19.7	3.30	24.6	4.03	29.5	4.82	32.0	5.23	34.5	5.65	39.4	6.51	44.3	7.40
	14	19.7	3.35	24.6	4.10	29.5	4.90	32.0	5.32	34.5	5.75	39.4	6.63	44.3	7.53
	16	19.7	3.40	24.6	4.16	29.5	4.98	32.0	5.41	34.5	5.85	39.4	6.75	44.3	7.67
	18	19.7	3.45	24.6	4.23	29.5	5.07	32.0	5.51	34.5	5.95	39.4	6.87	44.3	7.89
	20	19.7	3.50	24.6	4.30	29.5	5.16	32.0	5.61	34.5	6.06	39.4	7.18	44.3	8.47
	21	19.7	3.53	24.6	4.34	29.5	5.21	32.0	5.66	34.5	6.20	39.4	7.43	44.3	8.77
	23	19.7	3.58	24.6	4.41	29.5	5.43	32.0	6.01	34.5	6.63	39.4	7.95	44.3	9.39
	25	19.7	3.64	24.6	4.65	29.5	5.79	32.0	6.42	34.5	7.08	39.4	8.50	44.1	9.95
	27	19.7	3.86	24.6	4.94	29.5	6.17	32.0	6.84	34.5	7.55	39.4	9.07	43.4	10.37
	29	19.7	4.09	24.6	5.25	29.5	6.57	32.0	7.28	34.5	8.04	39.4	9.68	42.8	10.79
	31	19.7	4.33	24.6	5.57	29.5	6.98	32.0	7.75	34.5	8.56	39.4	10.32	42.1	11.21
	33	19.7	4.58	24.6	5.91	29.5	7.42	32.0	8.24	34.5	9.11	39.4	11.00	41.5	11.64
	35	19.7	4.85	24.6	6.26	29.5	7.88	32.0	8.76	34.5	9.69	39.4	11.71	40.8	12.06
	37	19.7	5.12	24.6	6.64	29.5	8.36	32.0	9.31	34.5	10.30	39.2	12.38	40.2	12.49
	39	19.7	5.41	24.6	7.03	29.5	8.87	32.0	9.88	34.5	10.95	38.6	12.80	39.5	12.91
	41	15.9	4.05	19.9	5.13	23.9	6.36	25.9	7.03	27.9	7.74	31.9	9.26	35.8	10.92
	43	15.9	4.26	19.8	5.42	23.8	6.72	25.8	7.44	27.8	8.19	31.7	9.81	35.7	11.58
	46	15.8	4.60	19.7	5.86	23.6	7.30	25.6	8.08	27.6	8.91	31.5	10.69	35.5	12.64
70	10	17.2	2.92	21.5	3.52	25.8	4.16	28.0	4.50	30.2	4.84	34.5	5.55	38.8	6.29
	12	17.2	2.96	21.5	3.57	25.8	4.22	28.0	4.57	30.2	4.92	34.5	5.65	38.8	6.40
	14	17.2	3.00	21.5	3.62	25.8	4.29	28.0	4.64	30.2	5.00	34.5	5.75	38.8	6.51
	16	17.2	3.04	21.5	3.68	25.8	4.36	28.0	4.72	30.2	5.09	34.5	5.85	38.8	6.63
	18	17.2	3.08	21.5	3.73	25.8	4.43	28.0	4.80	30.2	5.18	34.5	5.95	38.8	6.75
	20	17.2	3.12	21.5	3.79	25.8	4.51	28.0	4.89	30.2	5.27	34.5	6.06	38.8	7.02
	21	17.2	3.15	21.5	3.82	25.8	4.55	28.0	4.93	30.2	5.32	34.5	6.20	38.8	7.27
	23	17.2	3.19	21.5	3.89	25.8	4.63	28.0	5.09	30.2	5.58	34.5	6.63	38.8	7.78
	25	17.2	3.24	21.5	4.00	25.8	4.92	28.0	5.42	30.2	5.95	34.5	7.08	38.8	8.31
	27	17.2	3.38	21.5	4.25	25.8	5.24	28.0	5.77	30.2	6.34	34.5	7.55	38.8	8.87
	29	17.2	3.57	21.5	4.51	25.8	5.56	28.0	6.14	30.2	6.74	34.5	8.04	38.8	9.47
	31	17.2	3.78	21.5	4.78	25.8	5.91	28.0	6.52	30.2	7.17	34.5	8.57	38.8	10.09
	33	17.2	3.99	21.5	5.06	25.8	6.27	28.0	6.93	30.2	7.62	34.5	9.11	38.8	10.75
	35	17.2	4.21	21.5	5.35	25.8	6.65	28.0	7.35	30.2	8.09	34.5	9.69	38.8	11.44
	37	17.2	4.45	21.5	5.66	25.8	7.05	28.0	7.80	30.2	8.59	34.5	10.31	38.8	12.18
	39	17.2	4.69	21.5	5.99	25.8	7.47	28.0	8.27	30.2	9.12	34.5	10.96	38.5	12.79
	41	13.9	3.56	17.4	4.44	20.9	5.43	22.6	5.96	24.4	6.53	27.9	7.74	31.4	9.06
	43	13.9	3.74	17.3	4.68	20.8	5.73	22.5	6.30	24.3	6.90	27.8	8.19	31.2	9.60
	46	13.8	4.03	17.2	5.05	20.7	6.21	22.4	6.83	24.1	7.49	27.6	8.91	31.0	10.45
60	10	14.8	2.60	18.5	3.09	22.2	3.61	24.0	3.88	25.8	4.16	29.5	4.74	33.2	5.35
	12	14.8	2.63	18.5	3.13	22.2	3.66	24.0	3.94	25.8	4.23	29.5	4.82	33.2	5.44
	14	14.8	2.67	18.5	3.17	22.2	3.71	24.0	4.00	25.8	4.29	29.5	4.90	33.2	5.53
	16	14.8	2.70	18.5	3.22	22.2	3.77	24.0	4.06	25.8	4.36	29.5	4.98	33.2	5.63
	18	14.8	2.73	18.5	3.26	22.2	3.83	24.0	4.13	25.8	4.43	29.5	5.07	33.2	5.73
	20	14.8	2.77	18.5	3.31	22.2	3.89	24.0	4.20	25.8	4.51	29.5	5.16	33.2	5.83
	21	14.8	2.79	18.5	3.33	22.2	3.92	24.0	4.23	25.8	4.55	29.5	5.21	33.2	5.91
	23	14.8	2.82	18.5	3.39	22.2	3.99	24.0	4.31	25.8	4.63	29.5	5.44	33.2	6.32
	25	14.8	2.86	18.5	3.44	22.2	4.13	24.0	4.52	25.8	4.92	29.5	5.80	33.2	6.74
	27	14.8	2.93	18.5	3.62	22.2	4.38	24.0	4.80	25.8	5.24	29.5	6.17	33.2	7.19
	29	14.8	3.10	18.5	3.83	22.2	4.65	24.0	5.10	25.8	5.56	29.5	6.57	33.2	7.66
	31	14.8	3.27	18.5	4.05	22.2	4.93	24.0	5.41	25.8	5.91	29.5	6.98	33.2	8.15
	33	14.8	3.45	18.5	4.28	22.2	5.22	24.0	5.73	25.8	6.27	29.5	7.42	33.2	8.67
	35	14.8	3.63	18.5	4.52	22.2	5.53	24.0	6.07	25.8	6.65	29.5	7.88	33.2	9.22
	37	14.8	3.83	18.5	4.78	22.2	5.85	24.0	6.43	25.8	7.05	29.5	8.36	33.2	9.80
	39	14.8	4.03	18.5	5.04	22.2	6.19	24.0	6.81	25.8	7.47	29.5	8.88	33.2	10.41
	41	11.9	3.11	14.9	3.80	17.9	4.57	19.4	4.99	20.9	5.43	23.9	6.36	26.9	7.38
	43	11.9	3.26	14.9	4.00	17.8	4.82	19.3	5.26	20.8	5.73	23.8	6.73	26.8	7.81
	46	11.8	3.51	14.8	4.31	17.7	5.21	19.2	5.70	20.7	6.21	23.6	7.30	26.6	8.49
50	10	12.31	2.30	15.4	2.68	18.5	3.09	20.0	3.30	21.5	3.52	24.6	3.97	27.7	4.45
	12	12.31	2.33	15.4	2.71	18.5	3.13	20.0	3.35	21.5	3.57	24.6	4.03	27.7	4.52
	14	12.31	2.35	15.4	2.75	18.5	3.17	20.0	3.39	21.5	3.62	24.6	4.10	27.7	4.59
	16	12.31	2.38	15.4	2.78	18.5	3.22	20.0	3.44	21.5	3.68	24.6	4.16	27.7	4.67
	18	12.31	2.41	15.4	2.82	18.5	3.26	20.0	3.49	21.5	3.73	24.6	4.23	27.7	4.75
	20	12.31	2.43	15.4	2.86	18.5	3.31	20.0	3.55	21.5	3.79	24.6	4.30	27.7	4.83
	21	12.31	2.45	15.4	2.88	18.5	3.33	20.0	3.58	21.5	3.82	24.6	4.34	27.7	4.87
	23	12.31	2.48	15.4	2.91	18.5	3.39	20.0	3.63	21.5	3.89	24.6	4.41	27.7	5.02
	25	12.31	2.51	15.4	2.96	18.5	3.44	20.0	3.70	21.5	4.00	24.6	4.65	27.7	5.35
	27	12.31	2.54	15.4	3.04	18.5	3.62	20.0	3.93	21.5	4.25	24.6	4.94	27.7	5.69
	29	12.31	2.66	15.4	3.21	18.5	3.83	20.0	4.16	21.5	4.51	24.6	5.25	27.7	6.05
	31	12.31	2.80	15.4	3.39	18.5	4.05	20.0	4.41	21.5	4.78	24.6	5.57	27.7	6.43
	33	12.31	2.95	15.4	3.58	18.5	4.28	20.0	4.66	21.5	5.06	24.6	5.91	27.7	6.83
	35	12.31	3.10	15.4	3.77	18.5	4.52	20.0	4.93	21.5	5.36	24.6	6.26	27.7	7.25
	37	12.31	3.26	15.4	3.98	18.5	4.78	20.0	5.21	21.5	5.67	24.6	6.64	27.7	7.69
	39	12.3	3.42	15.4	4.19	18.5	5.04	20.0	5.51	21.5	5.99	24.6	7.03	27.7	8.16
	41	10.0	2.69	12.4	3.22	14.9	3.80	16.2	4.11	17.4	4.44	19.9	5.14	22.4	5.89
	43	9.9	2.82	12.4	3.38	14.9	4.00	16.1	4.33	17.3	4.68	19.8	5.42	22.3	6.22
	46	9.8	3.02	12.3	3.63	14.8	4.31	16.0	4.67	17.2	5.05	19.7	5.87	22.2	6.74

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5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ16T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	10	36.0	5.94	45.0	7.52	54.0	9.17	56.7	9.47	57.5	9.25	59.2	8.78	60.9	8.30
	12	36.0	6.04	45.0	7.65	54.0	9.33	55.9	9.43	56.8	9.19	58.5	8.72	60.2	8.73
	14	36.0	6.15	45.0	7.79	54.0	9.50	55.2	9.38	56.1	9.14	57.7	9.13	59.4	9.23
	16	36.0	6.25	45.0	7.93	53.6	9.56	54.5	9.46	55.3	9.51	57.0	9.62	58.7	9.73
	18	36.0	6.36	45.0	8.08	52.9	9.88	53.7	9.94	54.6	10.00	56.3	10.11	58.0	10.23
	20	36.0	6.48	45.0	8.47	52.2	10.36	53.0	10.42	53.9	10.49	55.5	10.61	57.2	10.73
	21	36.0	6.54	45.0	8.77	51.8	10.60	52.6	10.67	53.5	10.73	55.2	10.86	56.9	10.98
	23	36.0	6.95	45.0	9.39	51.1	11.09	51.9	11.15	52.8	11.22	54.4	11.36	56.1	11.49
	25	36.0	7.42	45.0	10.03	50.3	11.57	51.2	11.64	52.0	11.72	53.7	11.86	55.4	12.00
	27	36.0	7.91	45.0	10.72	49.6	12.06	50.5	12.14	51.3	12.21	53.0	12.36	54.7	12.51
	29	36.0	8.42	45.0	11.43	48.9	12.55	49.7	12.63	50.6	12.71	52.3	12.87	53.9	13.03
	31	36.0	8.96	45.0	12.19	48.1	13.04	49.0	13.12	49.8	13.21	51.5	13.38	53.2	13.55
	33	36.0	9.53	45.0	12.99	47.4	13.53	48.3	13.62	49.1	13.71	50.8	13.89	52.5	14.07
	35	36.0	10.13	45.0	13.84	46.7	14.03	47.5	14.12	48.4	14.22	50.1	14.40	51.7	14.59
	37	36.0	10.76	44.3	14.33	46.0	14.53	46.8	14.62	47.6	14.72	49.3	14.92	51.0	15.12
	39	36.0	11.42	43.5	14.82	45.2	15.03	46.1	15.13	46.9	15.23	48.6	15.44	50.3	15.65
	41	28.4	7.65	35.5	10.26	42.4	13.14	43.0	13.21	43.7	13.29	45.0	13.44	46.3	13.58
	43	28.3	8.10	35.4	10.87	41.6	13.62	42.3	13.70	42.9	13.78	44.2	13.93	45.6	14.09
	46	28.1	8.80	35.1	11.85	40.4	14.35	41.1	14.43	41.7	14.52	43.1	14.69	44.4	14.86
120	10	33.2	5.48	41.5	6.90	49.8	8.40	54.0	9.17	56.6	9.49	58.2	9.07	59.7	8.63
	12	33.2	5.57	41.5	7.02	49.8	8.55	54.0	9.33	55.9	9.44	57.4	9.01	59.0	8.66
	14	33.2	5.66	41.5	7.14	49.8	8.70	54.0	9.50	55.1	9.39	56.7	9.06	58.3	9.16
	16	33.2	5.76	41.5	7.27	49.8	8.86	53.6	9.56	54.4	9.45	56.0	9.55	57.5	9.65
	18	33.2	5.86	41.5	7.41	49.8	9.12	52.9	9.88	53.7	9.94	55.2	10.04	56.8	10.15
	20	33.2	5.96	41.5	7.59	49.8	9.79	52.2	10.36	53.0	10.42	54.5	10.53	56.1	10.65
	21	33.2	6.02	41.5	7.86	49.8	10.13	51.8	10.60	52.6	10.66	54.1	10.78	55.7	10.90
	23	33.2	6.28	41.5	8.40	49.8	10.86	51.1	11.09	51.9	11.15	53.4	11.27	55.0	11.40
	25	33.2	6.70	41.5	8.98	49.6	11.51	50.3	11.57	51.1	11.64	52.7	11.77	54.2	11.90
	27	33.2	7.13	41.5	9.58	48.8	11.99	49.6	12.06	50.4	12.13	51.9	12.27	53.5	12.41
	29	33.2	7.59	41.5	10.22	48.1	12.47	48.9	12.55	49.7	12.62	51.2	12.77	52.8	12.92
	31	33.2	8.07	41.5	10.89	47.4	12.96	48.1	13.04	48.9	13.12	50.5	13.27	52.0	13.43
	33	33.2	8.57	41.5	11.59	46.6	13.45	47.4	13.53	48.2	13.61	49.7	13.78	51.3	13.94
	35	33.2	9.11	41.5	12.34	45.9	13.94	46.7	14.03	47.5	14.11	49.0	14.29	50.6	14.46
	37	33.2	9.67	41.5	13.13	45.2	14.43	46.0	14.53	46.7	14.62	48.3	14.80	49.8	14.98
	39	33.2	10.26	41.5	13.96	44.4	14.93	45.2	15.03	46.0	15.12	47.6	15.32	49.1	15.51
	41	26.2	6.93	32.8	9.21	39.3	11.83	42.4	13.14	43.0	13.20	44.2	13.34	45.4	13.48
	43	26.1	7.33	32.6	9.75	39.2	12.55	41.6	13.62	42.2	13.69	43.4	13.84	44.6	13.98
	46	25.9	7.96	32.4	10.62	38.9	13.70	40.4	14.35	41.0	14.43	42.3	14.58	43.5	14.74
110	10	30.5	5.03	38.1	6.30	45.7	7.64	49.5	8.34	53.3	9.04	57.1	9.35	58.6	8.96
	12	30.5	5.11	38.1	6.40	45.7	7.78	49.5	8.48	53.3	9.20	56.4	9.30	57.8	8.90
	14	30.5	5.19	38.1	6.52	45.7	7.92	49.5	8.64	53.3	9.36	55.7	9.25	57.1	9.09
	16	30.5	5.28	38.1	6.63	45.7	8.06	49.5	8.79	53.3	9.54	54.9	9.49	56.4	9.58
	18	30.5	5.37	38.1	6.75	45.7	8.21	49.5	9.03	52.8	9.87	54.2	9.97	55.6	10.07
	20	30.5	5.46	38.1	6.88	45.7	8.65	49.5	9.69	52.0	10.35	53.5	10.46	54.9	10.56
	21	30.5	5.51	38.1	7.00	45.7	8.96	49.5	10.03	51.7	10.60	53.1	10.70	54.5	10.81
	23	30.5	5.65	38.1	7.48	45.7	9.59	49.5	10.75	50.9	11.08	52.4	11.19	53.8	11.30
	25	30.5	6.02	38.1	7.98	45.7	10.25	49.5	11.50	50.2	11.56	51.6	11.68	53.1	11.80
	27	30.5	6.40	38.1	8.51	45.7	10.95	48.8	11.98	49.5	12.05	50.9	12.18	52.3	12.30
	29	30.5	6.81	38.1	9.07	45.7	11.69	48.0	12.47	48.8	12.54	50.2	12.67	51.6	12.81
	31	30.5	7.23	38.1	9.66	45.7	12.46	47.3	12.96	48.0	13.03	49.4	13.17	50.9	13.31
	33	30.5	7.68	38.1	10.28	45.7	13.28	46.6	13.44	47.3	13.52	48.7	13.67	50.1	13.82
	35	30.5	8.14	38.1	10.93	45.1	13.85	45.8	13.93	46.6	14.01	48.0	14.17	49.4	14.33
	37	30.5	8.64	38.1	11.62	44.4	14.34	45.1	14.43	45.8	14.51	47.2	14.68	48.7	14.85
	39	30.5	9.16	38.1	12.34	43.7	14.83	44.4	14.92	45.1	15.01	46.5	15.19	47.9	15.36
	41	24.0	6.25	30.1	8.22	36.1	10.48	39.1	11.71	42.1	13.03	43.4	13.25	44.5	13.38
	43	23.9	6.60	29.9	8.70	35.9	11.11	38.9	12.43	41.5	13.61	42.6	13.74	43.7	13.87
	46	23.8	7.16	29.7	9.46	35.6	12.11	38.6	13.56	40.3	14.33	41.4	14.48	42.6	14.62
100	10	27.7	4.59	34.6	5.71	41.5	6.90	45.0	7.52	48.5	8.15	55.4	9.42	57.4	9.28
	12	27.7	4.66	34.6	5.80	41.5	7.02	45.0	7.65	48.5	8.29	55.4	9.58	56.7	9.23
	14	27.7	4.73	34.6	5.90	41.5	7.14	45.0	7.79	48.5	8.44	54.6	9.54	55.9	9.18
	16	27.7	4.81	34.6	6.00	41.5	7.27	45.0	7.93	48.5	8.60	53.9	9.49	55.2	9.50
	18	27.7	4.89	34.6	6.11	41.5	7.41	45.0	8.08	48.5	8.76	53.2	9.90	54.5	9.99
	20	27.7	4.97	34.6	6.22	41.5	7.59	45.0	8.47	48.5	9.40	52.4	10.38	53.7	10.48
	21	27.7	5.01	34.6	6.28	41.5	7.86	45.0	8.77	48.5	9.74	52.1	10.62	53.4	10.72
	23	27.7	5.10	34.6	6.61	41.5	8.40	45.0	9.39	48.5	10.43	51.3	11.11	52.6	11.21
	25	27.7	5.37	34.6	7.05	41.5	8.98	45.0	10.03	48.5	11.15	50.6	11.60	51.9	11.70
	27	27.7	5.71	34.6	7.51	41.5	9.58	45.0	10.72	48.5	11.92	49.9	12.08	51.2	12.20
	29	27.7	6.07	34.6	8.00	41.5	10.22	45.0	11.43	47.8	12.45	49.1	12.57	50.4	12.70
	31	27.7	6.44	34.6	8.51	41.5	10.89	45.0	12.19	47.1	12.94	48.4	13.07	49.7	13.20
	33	27.7	6.83	34.6	9.04	41.5	11.59	45.0	12.99	46.4	13.42	47.7	13.56	49.0	13.70
	35	27.7	7.24	34.6	9.61	41.5	12.34	45.0	13.84	45.6	13.91	46.9	14.06	48.2	14.20
	37	27.7	7.67	34.6	10.20	41.5	13.13	44.3	14.33	44.9	14.40	46.2	14.56	47.5	14.71
	39	27.7	8.12	34.6	10.83	41.5	13.96	43.5	14.82	44.2	14.90	45.5	15.06	46.8	15.22
	41	21.9	5.61	27.3	7.29	32.8	9.21	35.5	10.26	38.3	11.37	42.6	13.16	43.6	13.27
	43	21.8	5.92	27.2	7.71	32.6	9.75	35.4	10.87	38.1	12.06	41.8	13.64	42.8	13.76
	46	21.6	6.41	27.0	8.37	32.4	10.62	35.1	11.85	37.8	13.16	40.6	14.37	41.6	14.50

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.
2. Above 46°C refer to selection software.
   Über 46 °C: siehe Auslegungssoftware
   Πάνω από τους 46°C ανατρέξτε στο λογισμικό επιλογής
   Por encima de 46°C, consulte el software de selección
   Au-delà de 46 °C, voir le logiciel de sélection
   Al di sopra dei 46°C fare riferimento al software di selezione
   Raadpleeg de selectiesoftware boven 46°C
   Выше 46°C — см. программу выбора оборудования
   46°C'nin üzerindeki sıcaklıklar için lütfen seçim yazılımına bakın

5 Capacity tables

5 - 1 Cooling Capacity Tables

RXYTQ16T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temp. [°CDB]	Indoor air temperature: [°CDB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	10	24.9	4.17	31.1	5.14	37.4	6.18	40.5	6.72	43.6	7.27	49.9	8.40	56.1	9.55
	12	24.9	4.23	31.1	5.22	37.4	6.28	40.5	6.83	43.6	7.40	49.9	8.55	55.5	9.55
	14	24.9	4.29	31.1	5.31	37.4	6.39	40.5	6.95	43.6	7.53	49.9	8.70	54.8	9.50
	16	24.9	4.36	31.1	5.40	37.4	6.50	40.5	7.08	43.6	7.67	49.9	8.86	54.0	9.45
	18	24.9	4.43	31.1	5.49	37.4	6.62	40.5	7.21	43.6	7.81	49.9	9.12	53.3	9.91
	20	24.9	4.50	31.1	5.58	37.4	6.74	40.5	7.34	43.6	8.12	49.9	9.79	52.6	10.39
	21	24.9	4.54	31.1	5.63	37.4	6.83	40.5	7.59	43.6	8.40	49.9	10.14	52.2	10.63
	23	24.9	4.61	31.1	5.80	37.4	7.30	40.5	8.12	43.6	8.99	49.9	10.86	51.5	11.12
	25	24.9	4.77	31.1	6.18	37.4	7.79	40.5	8.67	43.6	9.61	49.6	11.51	50.7	11.61
	27	24.9	5.07	31.1	6.58	37.4	8.31	40.5	9.25	43.6	10.26	48.8	11.99	50.0	12.09
	29	24.9	5.38	31.1	7.00	37.4	8.85	40.5	9.87	43.6	10.94	48.1	12.48	49.3	12.59
	31	24.9	5.70	31.1	7.44	37.4	9.42	40.5	10.51	43.6	11.66	47.4	12.96	48.5	13.08
	33	24.9	6.04	31.1	7.89	37.4	10.02	40.5	11.19	43.6	12.42	46.6	13.45	47.8	13.57
	35	24.9	6.39	31.1	8.38	37.4	10.66	40.5	11.90	43.6	13.23	45.9	13.94	47.1	14.07
	37	24.9	6.76	31.1	8.89	37.4	11.33	40.5	12.66	43.6	14.08	45.2	14.43	46.3	14.57
	39	24.9	7.16	31.1	9.43	37.4	12.03	40.5	13.46	43.3	14.78	44.4	14.93	45.6	15.07
	41	19.7	5.00	24.6	6.42	29.5	8.03	32.0	8.90	34.4	9.83	39.4	11.84	42.7	13.17
	43	19.6	5.27	24.5	6.78	29.4	8.49	31.8	9.43	34.3	10.42	39.2	12.56	41.9	13.66
	46	19.4	5.70	24.3	7.35	29.2	9.24	31.6	10.27	34.0	11.35	38.9	13.70	40.7	14.39
80	10	22.2	3.77	27.7	4.59	33.2	5.48	36.0	5.94	38.8	6.42	44.3	7.40	49.8	8.40
	12	22.2	3.82	27.7	4.66	33.2	5.57	36.0	6.04	38.8	6.53	44.3	7.53	49.8	8.55
	14	22.2	3.87	27.7	4.73	33.2	5.66	36.0	6.15	38.8	6.64	44.3	7.66	49.8	8.70
	16	22.2	3.93	27.7	4.81	33.2	5.76	36.0	6.25	38.8	6.76	44.3	7.80	49.8	8.86
	18	22.2	3.98	27.7	4.89	33.2	5.86	36.0	6.36	38.8	6.88	44.3	7.94	49.8	9.12
	20	22.2	4.05	27.7	4.97	33.2	5.96	36.0	6.48	38.8	7.01	44.3	8.29	49.8	9.79
	21	22.2	4.08	27.7	5.01	33.2	6.02	36.0	6.54	38.8	7.17	44.3	8.59	49.8	10.14
	23	22.2	4.14	27.7	5.10	33.2	6.28	36.0	6.95	38.8	7.66	44.3	9.19	49.8	10.86
	25	22.2	4.21	27.7	5.37	33.2	6.70	36.0	7.42	38.8	8.18	44.3	9.82	49.6	11.51
	27	22.2	4.47	27.7	5.71	33.2	7.13	36.0	7.91	38.8	8.72	44.3	10.49	48.8	11.99
	29	22.2	4.73	27.7	6.07	33.2	7.59	36.0	8.42	38.8	9.30	44.3	11.19	48.1	12.48
	31	22.2	5.01	27.7	6.44	33.2	8.07	36.0	8.96	38.8	9.90	44.3	11.93	47.4	12.96
	33	22.2	5.30	27.7	6.83	33.2	8.57	36.0	9.53	38.8	10.53	44.3	12.71	46.6	13.45
	35	22.2	5.60	27.7	7.24	33.2	9.11	36.0	10.13	38.8	11.20	44.3	13.54	45.9	13.94
	37	22.2	5.92	27.7	7.67	33.2	9.67	36.0	10.76	38.8	11.91	44.1	14.31	45.2	14.43
	39	22.2	6.26	27.7	8.12	33.2	10.26	36.0	11.42	38.8	12.66	43.4	14.80	44.4	14.93
	41	17.5	4.44	21.9	5.61	26.2	6.93	28.4	7.65	30.6	8.41	35.0	10.05	39.3	11.83
	43	17.4	4.67	21.8	5.92	26.1	7.33	28.3	8.10	30.5	8.91	34.8	10.65	39.2	12.55
	46	17.3	5.04	21.6	6.41	25.9	7.96	28.1	8.80	30.2	9.69	34.6	11.61	38.9	13.70
70	10	19.4	3.38	24.2	4.07	29.1	4.81	31.5	5.20	33.9	5.59	38.8	6.42	43.6	7.27
	12	19.4	3.42	24.2	4.13	29.1	4.88	31.5	5.28	33.9	5.69	38.8	6.53	43.6	7.40
	14	19.4	3.47	24.2	4.19	29.1	4.96	31.5	5.37	33.9	5.78	38.8	6.64	43.6	7.53
	16	19.4	3.51	24.2	4.25	29.1	5.04	31.5	5.46	33.9	5.88	38.8	6.76	43.6	7.67
	18	19.4	3.56	24.2	4.32	29.1	5.13	31.5	5.55	33.9	5.98	38.8	6.88	43.6	7.81
	20	19.4	3.61	24.2	4.38	29.1	5.21	31.5	5.65	33.9	6.09	38.8	7.01	43.6	8.12
	21	19.4	3.64	24.2	4.42	29.1	5.26	31.5	5.70	33.9	6.15	38.8	7.17	43.6	8.40
	23	19.4	3.69	24.2	4.49	29.1	5.35	31.5	5.88	33.9	6.45	38.8	7.66	43.6	8.99
	25	19.4	3.75	24.2	4.63	29.1	5.69	31.5	6.27	33.9	6.87	38.8	8.18	43.6	9.61
	27	19.4	3.91	24.2	4.91	29.1	6.05	31.5	6.67	33.9	7.32	38.8	8.73	43.6	10.26
	29	19.4	4.13	24.2	5.21	29.1	6.43	31.5	7.09	33.9	7.79	38.8	9.30	43.6	10.94
	31	19.4	4.37	24.2	5.52	29.1	6.83	31.5	7.54	33.9	8.29	38.8	9.90	43.6	11.66
	33	19.4	4.61	24.2	5.85	29.1	7.25	31.5	8.01	33.9	8.81	38.8	10.54	43.6	12.42
	35	19.4	4.87	24.2	6.19	29.1	7.68	31.5	8.50	33.9	9.36	38.8	11.21	43.6	13.23
	37	19.4	5.14	24.2	6.55	29.1	8.15	31.5	9.02	33.9	9.93	38.8	11.91	43.6	14.08
	39	19.4	5.42	24.2	6.93	29.1	8.63	31.5	9.56	33.9	10.54	38.8	12.66	43.3	14.78
	41	15.3	3.91	19.1	4.86	22.9	5.92	24.9	6.50	26.8	7.11	30.6	8.41	34.4	9.83
	43	15.2	4.11	19.0	5.12	22.8	6.25	24.7	6.87	26.7	7.52	30.5	8.91	34.3	10.42
	46	15.1	4.43	18.9	5.53	22.7	6.78	24.6	7.45	26.5	8.16	30.2	9.69	34.0	11.36
60	10	16.6	3.01	20.8	3.57	24.9	4.17	27.0	4.49	29.1	4.81	33.2	5.48	37.4	6.18
	12	16.6	3.05	20.8	3.62	24.9	4.23	27.0	4.55	29.1	4.88	33.2	5.57	37.4	6.28
	14	16.6	3.08	20.8	3.67	24.9	4.29	27.0	4.62	29.1	4.96	33.2	5.66	37.4	6.39
	16	16.6	3.12	20.8	3.72	24.9	4.36	27.0	4.70	29.1	5.04	33.2	5.76	37.4	6.51
	18	16.6	3.16	20.8	3.77	24.9	4.43	27.0	4.77	29.1	5.13	33.2	5.86	37.4	6.62
	20	16.6	3.20	20.8	3.83	24.9	4.50	27.0	4.85	29.1	5.21	33.2	5.97	37.4	6.74
	21	16.6	3.22	20.8	3.85	24.9	4.54	27.0	4.89	29.1	5.26	33.2	6.02	37.4	6.83
	23	16.6	3.26	20.8	3.91	24.9	4.61	27.0	4.98	29.1	5.35	33.2	6.28	37.4	7.30
	25	16.6	3.31	20.8	3.98	24.9	4.77	27.0	5.22	29.1	5.69	33.2	6.70	37.4	7.80
	27	16.6	3.39	20.8	4.18	24.9	5.07	27.0	5.55	29.1	6.05	33.2	7.14	37.4	8.31
	29	16.6	3.58	20.8	4.43	24.9	5.38	27.0	5.89	29.1	6.43	33.2	7.59	37.4	8.85
	31	16.6	3.78	20.8	4.68	24.9	5.70	27.0	6.25	29.1	6.83	33.2	8.07	37.4	9.42
	33	16.6	3.98	20.8	4.95	24.9	6.04	27.0	6.63	29.1	7.25	33.2	8.58	37.4	10.03
	35	16.6	4.20	20.8	5.23	24.9	6.39	27.0	7.02	29.1	7.69	33.2	9.11	37.4	10.66
	37	16.6	4.42	20.8	5.52	24.9	6.76	27.0	7.44	29.1	8.15	33.2	9.67	37.4	11.33
	39	16.6	4.66	20.8	5.83	24.9	7.16	27.0	7.88	29.1	8.63	33.2	10.26	37.4	12.04
	41	13.1	3.42	16.4	4.17	19.7	5.00	21.3	5.45	23.0	5.92	26.2	6.93	29.5	8.03
	43	13.1	3.59	16.3	4.39	19.6	5.27	21.2	5.75	22.8	6.26	26.1	7.33	29.4	8.50
	46	13.0	3.86	16.2	4.73	19.4	5.70	21.1	6.23	22.7	6.78	25.9	7.96	29.2	9.24
50	10	13.84	2.66	17.3	3.10	20.8	3.57	22.5	3.82	24.2	4.07	27.7	4.59	31.2	5.14
	12	13.84	2.69	17.3	3.14	20.8	3.62	22.5	3.87	24.2	4.13	27.7	4.66	31.2	5.22
	14	13.84	2.72	17.3	3.18	20.8	3.67	22.5	3.92	24.2	4.19	27.7	4.74	31.2	5.31
	16	13.84	2.75	17.3	3.22	20.8	3.72	22.5	3.98	24.2	4.25	27.7	4.81	31.2	5.40
	18	13.84	2.78	17.3	3.26	20.8	3.77	22.5	4.04	24.2	4.32	27.7	4.89	31.2	5.49
	20	13.84	2.81	17.3	3.30	20.8	3.83	22.5	4.10	24.2	4.38	27.7	4.97	31.2	5.59
	21	13.84	2.83	17.3	3.32	20.8	3.85	22.5	4.13	24.2	4.42	27.7	5.01	31.2	5.63
	23	13.84	2.86	17.3	3.37	20.8	3.91	22.5	4.20	24.2	4.49	27.7	5.10	31.2	5.80
	25	13.84	2.90	17.3	3.42	20.8	3.98	22.5	4.28	24.2	4.63	27.7	5.38	31.2	6.18
	27	13.84	2.94	17.3	3.51	20.8	4.18	22.5	4.54	24.2	4.91	27.7	5.72	31.2	6.58
	29	13.84	3.07	17.3	3.71	20.8	4.43	22.5	4.81	24.2	5.21	27.7	6.07	31.2	7.00
	31	13.84	3.24	17.3	3.92	20.8	4.68	22.5	5.09	24.2	5.52	27.7	6.44	31.2	7.44
	33	13.84	3.41	17.3	4.14	20.8	4.95	22.5	5.39	24.2	5.85	27.7	6.83	31.2	7.90
	35	13.84	3.58	17.3	4.36	20.8	5.23	22.5	5.70	24.2	6.19	27.7	7.24	31.2	8.38
	37	13.84	3.77	17.3	4.60	20.8	5.52	22.5	6.02	24.2	6.55	27.7	7.67	31.2	8.89
	39	13.8	3.96	17.3	4.84	20.8	5.83	22.5	6.37	24.2	6.93	27.7	8.13	31.2	9.43
	41	10.9	2.97	13.7	3.54	16.4	4.17	17.8	4.50	19.1	4.86	21.9	5.61	24.6	6.42
	43	10.9	3.11	13.6	3.72	16.3	4.39	17.7	4.74	19.0	5.12	21.8	5.92	24.5	6.78
	46	10.8	3.34	13.5	4.00	16.2	4.73	17.6	5.12	18.9	5.53	21.6	6.41	24.3	7.36

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5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ8T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-19.8	-20.0	15.2	3.45	15.1	3.82	15.0	4.20	15.0	4.38	15.0	4.57	14.9	4.94
	-18.8	-19.0	15.6	3.62	15.6	3.99	15.5	4.35	15.5	4.53	15.4	4.71	15.4	5.07
	-16.7	-17.0	16.5	3.94	16.5	4.28	16.4	4.62	16.4	4.79	16.3	4.96	16.2	5.30
	-13.7	-15.0	17.4	4.22	17.3	4.54	17.3	4.87	17.2	5.03	17.2	5.19	17.1	5.51
	-11.8	-13.0	18.3	4.47	18.2	4.78	18.2	5.09	18.1	5.24	18.1	5.39	18.0	5.70
	-9.8	-11.0	19.2	4.70	19.1	4.99	19.1	5.29	19.0	5.43	19.0	5.58	18.9	5.87
	-9.5	-10.0	19.7	4.81	19.6	5.09	19.5	5.38	19.5	5.52	19.4	5.66	19.4	5.95
	-8.5	-9.1	20.1	4.90	20.0	5.18	19.9	5.46	19.9	5.60	19.8	5.74	19.8	6.02
	-7.0	-7.6	20.7	5.05	20.7	5.32	20.6	5.59	20.6	5.72	20.5	5.85	20.5	6.12
	-5.0	-5.6	21.6	5.23	21.5	5.48	21.5	5.74	21.4	5.87	21.4	6.00	21.3	6.26
	-3.0	-3.7	22.5	5.38	22.4	5.63	22.3	5.88	22.3	6.00	22.3	6.13	22.2	6.37
	0.0	-0.7	23.8	5.61	23.7	5.84	23.7	6.07	23.6	6.19	23.6	6.31	23.5	6.54
	3.0	2.2	25.1	5.80	25.0	6.02	25.0	6.25	24.9	6.36	24.9	6.47	24.8	6.69
	5.0	4.1	26.0	5.92	25.9	6.13	25.8	6.35	25.8	6.45	25.7	6.56	25.7	6.77
	7.0	6.0	26.8	6.03	26.7	6.24	26.7	6.44	26.6	6.55	26.6	6.65	26.5	6.86
	9.0	7.9	27.7	6.13	27.6	6.33	27.5	6.53	27.5	6.63	27.4	6.73	27.4	6.93
	11.0	9.8	28.5	6.23	28.4	6.43	28.4	6.62	28.3	6.72	28.3	6.81	27.5	6.73
	13.0	11.8	29.4	6.33	29.3	6.52	29.3	6.70	29.2	6.80	29.2	6.89	27.5	6.48
	15.0	13.7	30.2	6.41	30.2	6.60	30.1	6.78	30.1	6.87	30.0	6.95	27.5	6.26
120	-19.8	-20.0	15.1	3.88	15.0	4.22	15.0	4.57	14.9	4.74	14.9	4.91	14.9	5.26
	-18.8	-19.0	15.6	4.04	15.5	4.37	15.4	4.71	15.4	4.87	15.4	5.04	15.3	5.37
	-16.7	-17.0	16.4	4.33	16.4	4.65	16.3	4.96	16.3	5.12	16.3	5.28	16.2	5.59
	-13.7	-15.0	17.3	4.59	17.3	4.89	17.2	5.19	17.2	5.34	17.1	5.49	17.1	5.78
	-11.8	-13.0	18.2	4.83	18.2	5.11	18.1	5.39	18.1	5.53	18.0	5.67	18.0	5.96
	-9.8	-11.0	19.1	5.04	19.1	5.31	19.0	5.58	19.0	5.71	18.9	5.85	18.9	6.11
	-9.5	-10.0	19.6	5.14	19.5	5.40	19.4	5.66	19.4	5.79	19.4	5.93	19.3	6.19
	-8.5	-9.1	20.0	5.22	19.9	5.48	19.8	5.74	19.8	5.87	19.8	5.99	19.7	6.25
	-7.0	-7.6	20.6	5.36	20.6	5.61	20.5	5.85	20.5	5.98	20.5	6.10	20.4	6.35
	-5.0	-5.6	21.5	5.52	21.5	5.76	21.4	6.00	21.4	6.12	21.3	6.24	21.3	6.47
	-3.0	-3.7	22.4	5.67	22.3	5.90	22.3	6.13	22.2	6.24	22.2	6.35	22.1	6.58
	0.0	-0.7	23.7	5.88	23.7	6.09	23.6	6.31	23.6	6.42	23.5	6.52	23.5	6.74
	3.0	2.2	25.0	6.06	25.0	6.26	24.9	6.47	24.9	6.57	24.8	6.67	24.8	6.87
	5.0	4.1	25.9	6.17	25.8	6.36	25.7	6.56	25.7	6.66	25.7	6.76	25.4	6.86
	7.0	6.0	26.7	6.27	26.7	6.46	26.6	6.65	26.6	6.75	26.5	6.84	25.4	6.59
	9.0	7.9	27.6	6.36	27.5	6.55	27.4	6.73	27.4	6.83	27.4	6.92	25.4	6.34
	11.0	9.8	28.4	6.46	28.4	6.63	28.3	6.81	28.3	6.90	27.7	6.79	25.4	6.12
	13.0	11.8	29.3	6.55	29.3	6.72	29.2	6.89	28.8	6.86	27.7	6.53	25.4	5.89
	15.0	13.7	30.2	6.63	30.1	6.79	30.0	6.95	28.8	6.63	27.7	6.31	25.4	5.70
110	-19.8	-20.0	15.0	4.31	15.0	4.63	14.9	4.94	14.9	5.10	14.9	5.26	14.8	5.57
	-18.8	-19.0	15.5	4.46	15.4	4.76	15.4	5.07	15.3	5.22	15.3	5.37	15.2	5.68
	-16.7	-17.0	16.4	4.73	16.3	5.01	16.2	5.30	16.2	5.45	16.2	5.59	16.1	5.88
	-13.7	-15.0	17.3	4.96	17.2	5.24	17.1	5.51	17.1	5.65	17.1	5.78	17.0	6.06
	-11.8	-13.0	18.2	5.18	18.1	5.44	18.0	5.70	18.0	5.83	18.0	5.96	17.9	6.22
	-9.8	-11.0	19.0	5.38	19.0	5.62	18.9	5.87	18.9	5.99	18.9	6.11	18.8	6.36
	-9.5	-10.0	19.5	5.47	19.4	5.71	19.4	5.95	19.3	6.07	19.3	6.19	19.3	6.43
	-8.5	-9.1	19.9	5.54	19.8	5.78	19.8	6.02	19.8	6.13	19.7	6.25	19.7	6.49
	-7.0	-7.6	20.6	5.67	20.5	5.90	20.5	6.12	20.4	6.24	20.4	6.35	20.3	6.58
	-5.0	-5.6	21.5	5.82	21.4	6.04	21.3	6.26	21.3	6.37	21.3	6.47	21.2	6.69
	-3.0	-3.7	22.3	5.95	22.3	6.16	22.2	6.37	22.2	6.48	22.1	6.58	22.1	6.79
	0.0	-0.7	23.6	6.15	23.6	6.34	23.5	6.54	23.5	6.64	23.5	6.74	23.3	6.87
	3.0	2.2	24.9	6.31	24.9	6.50	24.8	6.69	24.8	6.78	24.8	6.87	23.3	6.43
	5.0	4.1	25.8	6.41	25.7	6.59	25.7	6.77	25.6	6.86	25.4	6.86	23.3	6.18
	7.0	6.0	26.6	6.51	26.6	6.68	26.5	6.86	26.4	6.92	25.4	6.59	23.3	5.94
	9.0	7.9	27.5	6.60	27.4	6.77	27.4	6.93	26.4	6.66	25.4	6.34	23.3	5.73
	11.0	9.8	28.3	6.68	28.3	6.84	27.5	6.73	26.4	6.42	25.4	6.12	23.3	5.53
	13.0	11.8	29.2	6.76	29.2	6.92	27.5	6.48	26.4	6.19	25.4	5.89	23.3	5.33
	15.0	13.7	30.1	6.84	29.6	6.84	27.5	6.26	26.4	5.98	25.4	5.70	23.3	5.16
100	-19.8	-20.0	14.9	4.74	14.9	5.03	14.8	5.31	14.8	5.46	14.8	5.60	14.7	5.89
	-18.8	-19.0	15.4	4.87	15.3	5.15	15.3	5.43	15.3	5.57	15.2	5.71	15.2	5.98
	-16.7	-17.0	16.3	5.12	16.2	5.38	16.2	5.64	16.2	5.77	16.1	5.90	16.1	6.17
	-13.7	-15.0	17.2	5.34	17.1	5.58	17.1	5.83	17.0	5.96	17.0	6.08	17.0	6.33
	-11.8	-13.0	18.1	5.53	18.0	5.77	18.0	6.00	17.9	6.12	17.9	6.24	17.9	6.47
	-9.8	-11.0	19.0	5.71	18.9	5.94	18.9	6.16	18.8	6.27	18.8	6.38	18.8	6.61
	-9.5	-10.0	19.4	5.79	19.4	6.01	19.3	6.23	19.3	6.34	19.3	6.45	19.2	6.67
	-8.5	-9.1	19.8	5.87	19.8	6.08	19.7	6.29	19.7	6.40	19.7	6.51	19.6	6.72
	-7.0	-7.6	20.5	5.98	20.4	6.19	20.4	6.39	20.4	6.50	20.3	6.60	20.3	6.81
	-5.0	-5.6	21.4	6.12	21.3	6.32	21.3	6.51	21.2	6.61	21.2	6.71	21.2	6.90
	-3.0	-3.7	22.2	6.24	22.2	6.43	22.1	6.62	22.1	6.72	22.1	6.81	21.2	6.58
	0.0	-0.7	23.6	6.42	23.5	6.59	23.5	6.77	23.4	6.86	23.1	6.80	21.2	6.13
	3.0	2.2	24.9	6.57	24.8	6.74	24.8	6.91	24.0	6.69	23.1	6.37	21.2	5.75
	5.0	4.1	25.7	6.66	25.7	6.82	25.0	6.73	24.0	6.42	23.1	6.12	21.2	5.53
	7.0	6.0	26.6	6.75	26.5	6.90	25.0	6.47	24.0	6.17	23.1	5.89	21.2	5.32
	9.0	7.9	27.4	6.83	26.9	6.81	25.0	6.23	24.0	5.95	23.1	5.67	21.2	5.13
	11.0	9.8	28.3	6.90	26.9	6.56	25.0	6.01	24.0	5.74	23.1	5.47	21.2	4.96
	13.0	11.8	28.8	6.86	26.9	6.32	25.0	5.79	24.0	5.53	23.1	5.28	21.2	4.78
	15.0	13.7	28.8	6.63	26.9	6.11	25.0	5.60	24.0	5.35	23.1	5.11	21.2	4.63

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. is shown as reference. When selecting the unit models, avoid the Outdoor air temperature range shown by .
   dient als Verweis. Vermeiden Sie bei der Auswahl der Gerätemodelle den als markierten Temperaturbereich der Außenluft
   Η είναι ενδεικτική. κατά την επιλογή των μοντέλων των μονάδων, αποφύγετε το εύρος θερμοκρασίας εξωτερικού αέρα που υποδεικνύεται
   se muestra como referencia. Cuando seleccione los modelos de unidad, evite el intervalo de temperaturas del aire exterior indicado mediante
   est montré comme référence.Lors du choix des modèles d'unités, évitez la plage de températures de l'air extérieur illustré par
   valori riportati unicamente come riferimento. Nel selezionare i modelli delle unità, non considerare i valori di temperatura dell'aria esterna indicati con il colore
   is als referentie getoond. Wanneer modellen van eenheden worden gekozen, vermijd dan het bereik van buitenluchttemperaturen geïllustreerd door
   показан как. При выборе модели устройства избегайте внешнюю температуру воздуха, указанную в
   referans olarak gösterilmektedir. Ünite modellerini seçerken, belirtilen Dış hava sıcaklığı aralığından kaçının
2. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.

5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ8T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	-19.8	-20.0	14.9	5.17	14.8	5.43	14.8	5.69	14.7	5.81	14.7	5.94	14.7	6.20
	-18.8	-19.0	15.3	5.29	15.3	5.54	15.2	5.79	15.2	5.92	15.2	6.04	15.1	6.29
	-16.7	-17.0	16.2	5.51	16.2	5.75	16.1	5.98	16.1	6.10	16.1	6.22	16.0	6.45
	-13.7	-15.0	17.1	5.71	17.1	5.93	17.0	6.15	17.0	6.27	17.0	6.38	16.9	6.60
	-11.8	-13.0	18.0	5.89	17.9	6.10	17.9	6.31	17.9	6.42	17.9	6.52	17.8	6.73
	-9.8	-11.0	18.9	6.05	18.8	6.25	18.8	6.45	18.8	6.55	18.7	6.65	18.7	6.85
	-9.5	-10.0	19.3	6.12	19.3	6.32	19.2	6.52	19.2	6.61	19.2	6.71	19.0	6.85
	-8.5	-9.1	19.7	6.19	19.7	6.38	19.6	6.57	19.6	6.67	19.6	6.76	19.0	6.68
	-7.0	-7.6	20.4	6.29	20.4	6.47	20.3	6.66	20.3	6.75	20.3	6.85	19.0	6.41
	-5.0	-5.6	21.3	6.41	21.3	6.59	21.2	6.77	21.2	6.86	20.8	6.75	19.0	6.08
	-3.0	-3.7	22.2	6.53	22.1	6.70	22.1	6.87	21.6	6.76	20.8	6.44	19.0	5.81
	0.0	-0.7	23.5	6.68	23.4	6.85	22.5	6.59	21.6	6.29	20.8	6.00	19.0	5.42
	3.0	2.2	24.8	6.82	24.2	6.75	22.5	6.18	21.6	5.90	20.8	5.63	19.0	5.09
	5.0	4.1	25.6	6.91	24.2	6.48	22.5	5.94	21.6	5.67	20.8	5.41	19.0	4.90
	7.0	6.0	26.0	6.77	24.2	6.23	22.5	5.71	21.6	5.46	20.8	5.21	19.0	4.72
	9.0	7.9	26.0	6.52	24.2	6.00	22.5	5.51	21.6	5.26	20.8	5.03	19.0	4.56
	11.0	9.8	26.0	6.28	24.2	5.79	22.5	5.32	21.6	5.08	20.8	4.85	19.0	4.41
	13.0	11.8	26.0	6.05	24.2	5.58	22.5	5.13	21.6	4.91	20.8	4.69	19.0	4.26
	15.0	13.7	26.0	5.85	24.2	5.40	22.5	4.96	21.6	4.75	20.8	4.54	19.0	4.13
80	-19.8	-20.0	14.8	5.60	14.7	5.83	14.7	6.06	14.7	6.17	14.7	6.29	14.6	6.52
	-18.8	-19.0	15.2	5.71	15.2	5.93	15.2	6.15	15.1	6.26	15.1	6.37	15.1	6.60
	-16.7	-17.0	16.1	5.90	16.1	6.11	16.0	6.32	16.0	6.43	16.0	6.53	16.0	6.74
	-13.7	-15.0	17.0	6.08	17.0	6.28	16.9	6.48	16.9	6.58	16.9	6.68	16.9	6.87
	-11.8	-13.0	17.9	6.24	17.9	6.43	17.8	6.62	17.8	6.71	17.8	6.80	16.9	6.49
	-9.8	-11.0	18.8	6.38	18.8	6.56	18.7	6.74	18.7	6.83	18.5	6.79	16.9	6.12
	-9.5	-10.0	19.3	6.45	19.2	6.62	19.2	6.80	19.2	6.89	18.5	6.60	16.9	5.95
	-8.5	-9.1	19.7	6.51	19.6	6.68	19.6	6.85	19.2	6.76	18.5	6.43	16.9	5.81
	-7.0	-7.6	20.3	6.60	20.3	6.76	20.0	6.80	19.2	6.49	18.5	6.18	16.9	5.58
	-5.0	-5.6	21.2	6.71	21.2	6.87	20.0	6.45	19.2	6.16	18.5	5.87	16.9	5.31
	-3.0	-3.7	22.1	6.81	21.5	6.72	20.0	6.15	19.2	5.88	18.5	5.60	16.9	5.07
	0.0	-0.7	23.1	6.80	21.5	6.26	20.0	5.74	19.2	5.48	18.5	5.23	16.9	4.74
	3.0	2.2	23.1	6.37	21.5	5.87	20.0	5.39	19.2	5.15	18.5	4.92	16.9	4.46
	5.0	4.1	23.1	6.12	21.5	5.64	20.0	5.18	19.2	4.96	18.5	4.73	16.9	4.30
	7.0	6.0	23.1	5.89	21.5	5.43	20.0	4.99	19.2	4.78	18.5	4.56	16.9	4.15
	9.0	7.9	23.1	5.67	21.5	5.24	20.0	4.82	19.2	4.61	18.5	4.41	16.9	4.01
	11.0	9.8	23.1	5.47	21.5	5.06	20.0	4.65	19.2	4.46	18.5	4.26	16.9	3.88
	13.0	11.8	23.1	5.28	21.5	4.88	20.0	4.50	19.2	4.31	18.5	4.12	16.9	3.76
	15.0	13.7	23.1	5.11	21.5	4.73	20.0	4.36	19.2	4.17	18.5	3.99	16.9	3.64
70	-19.8	-20.0	14.7	6.03	14.7	6.23	14.6	6.43	14.6	6.53	14.6	6.63	14.6	6.83
	-18.8	-19.0	15.2	6.12	15.1	6.32	15.1	6.51	15.1	6.61	15.0	6.71	14.8	6.76
	-16.7	-17.0	16.0	6.30	16.0	6.48	16.0	6.66	16.0	6.76	15.9	6.85	14.8	6.30
	-13.7	-15.0	16.9	6.45	16.9	6.63	16.9	6.80	16.8	6.87	16.2	6.54	14.8	5.90
	-11.8	-13.0	17.8	6.59	17.8	6.76	17.5	6.76	16.8	6.45	16.2	6.14	14.8	5.55
	-9.8	-11.0	18.7	6.72	18.7	6.88	17.5	6.37	16.8	6.08	16.2	5.79	14.8	5.24
	-9.5	-10.0	19.2	6.78	18.8	6.76	17.5	6.19	16.8	5.91	16.2	5.64	14.8	5.10
	-8.5	-9.1	19.6	6.83	18.8	6.59	17.5	6.04	16.8	5.77	16.2	5.50	14.8	4.98
	-7.0	-7.6	20.2	6.88	18.8	6.33	17.5	5.80	16.8	5.54	16.2	5.29	14.8	4.79
	-5.0	-5.6	20.2	6.53	18.8	6.01	17.5	5.51	16.8	5.27	16.2	5.03	14.8	4.56
	-3.0	-3.7	20.2	6.22	18.8	5.74	17.5	5.27	16.8	5.04	16.2	4.81	14.8	4.37
	0.0	-0.7	20.2	5.80	18.8	5.36	17.5	4.92	16.8	4.71	16.2	4.50	14.8	4.09
	3.0	2.2	20.2	5.45	18.8	5.03	17.5	4.63	16.8	4.44	16.2	4.24	14.8	3.86
	5.0	4.1	20.2	5.24	18.8	4.84	17.5	4.46	16.8	4.27	16.2	4.09	14.8	3.73
	7.0	6.0	20.2	5.05	18.8	4.67	17.5	4.30	16.8	4.12	16.2	3.95	14.8	3.60
	9.0	7.9	20.2	4.87	18.8	4.51	17.5	4.16	16.8	3.99	16.2	3.82	14.8	3.49
	11.0	9.8	20.2	4.70	18.8	4.36	17.5	4.02	16.8	3.86	16.2	3.70	14.8	3.38
	13.0	11.8	20.2	4.54	18.8	4.21	17.5	3.89	16.8	3.73	16.2	3.58	14.8	3.27
	15.0	13.7	20.2	4.40	18.8	4.08	17.5	3.77	16.8	3.62	16.2	3.47	14.8	3.18
60	-19.8	-20.0	14.6	6.46	14.6	6.63	14.6	6.80	14.4	6.79	13.8	6.47	12.7	5.83
	-18.8	-19.0	15.1	6.54	15.0	6.71	15.0	6.86	14.4	6.55	13.8	6.24	12.7	5.63
	-16.7	-17.0	16.0	6.69	15.9	6.85	15.0	6.40	14.4	6.10	13.8	5.82	12.7	5.26
	-13.7	-15.0	16.9	6.82	16.2	6.54	15.0	5.99	14.4	5.72	13.8	5.46	12.7	4.94
	-11.8	-13.0	17.3	6.67	16.2	6.14	15.0	5.63	14.4	5.38	13.8	5.14	12.7	4.66
	-9.8	-11.0	17.3	6.29	16.2	5.79	15.0	5.32	14.4	5.09	13.8	4.86	12.7	4.41
	-9.5	-10.0	17.3	6.11	16.2	5.64	15.0	5.17	14.4	4.95	13.8	4.73	12.7	4.29
	-8.5	-9.1	17.3	5.96	16.2	5.50	15.0	5.05	14.4	4.83	13.8	4.62	12.7	4.20
	-7.0	-7.6	17.3	5.73	16.2	5.29	15.0	4.86	14.4	4.65	13.8	4.45	12.7	4.05
	-5.0	-5.6	17.3	5.44	16.2	5.03	15.0	4.63	14.4	4.43	13.8	4.24	12.7	3.86
	-3.0	-3.7	17.3	5.20	16.2	4.81	15.0	4.43	14.4	4.24	13.8	4.06	12.7	3.70
	0.0	-0.7	17.3	4.86	16.2	4.50	15.0	4.15	14.4	3.98	13.8	3.81	12.7	3.48
	3.0	2.2	17.3	4.58	16.2	4.24	15.0	3.92	14.4	3.76	13.8	3.60	12.7	3.29
	5.0	4.1	17.3	4.41	16.2	4.09	15.0	3.78	14.4	3.63	13.8	3.48	12.7	3.18
	7.0	6.0	17.3	4.25	16.2	3.95	15.0	3.65	14.4	3.50	13.8	3.36	12.7	3.08
	9.0	7.9	17.3	4.11	16.2	3.82	15.0	3.53	14.4	3.39	13.8	3.25	12.7	2.98
	11.0	9.8	17.3	3.98	16.2	3.70	15.0	3.42	14.4	3.29	13.8	3.15	12.7	2.89
	13.0	11.8	17.3	3.85	16.2	3.58	15.0	3.31	14.4	3.19	13.8	3.06	12.7	2.81
	15.0	13.7	17.3	3.73	16.2	3.47	15.0	3.22	14.4	3.09	13.8	2.97	12.7	2.73
50	-19.8	-20.0	14.4	6.79	13.5	6.25	12.5	5.73	12.0	5.48	11.5	5.23	10.6	4.74
	-18.8	-19.0	14.4	6.55	13.5	6.03	12.5	5.53	12.0	5.29	11.5	5.05	10.6	4.58
	-16.7	-17.0	14.4	6.10	13.5	5.63	12.5	5.17	12.0	4.94	11.5	4.72	10.6	4.29
	-13.7	-15.0	14.4	5.72	13.5	5.28	12.5	4.86	12.0	4.65	11.5	4.44	10.6	4.04
	-11.8	-13.0	14.4	5.38	13.5	4.98	12.5	4.58	12.0	4.39	11.5	4.19	10.6	3.82
	-9.8	-11.0	14.4	5.09	13.5	4.71	12.5	4.34	12.0	4.15	11.5	3.98	10.6	3.63
	-9.5	-10.0	14.4	4.95	13.5	4.58	12.5	4.22	12.0	4.05	11.5	3.88	10.6	3.54
	-8.5	-9.1	14.4	4.83	13.5	4.48	12.5	4.13	12.0	3.96	11.5	3.79	10.6	3.46
	-7.0	-7.6	14.4	4.65	13.5	4.31	12.5	3.98	12.0	3.82	11.5	3.66	10.6	3.34
	-5.0	-5.6	14.4	4.43	13.5	4.11	12.5	3.80	12.0	3.65	11.5	3.49	10.6	3.20
	-3.0	-3.7	14.4	4.24	13.5	3.94	12.5	3.64	12.0	3.50	11.5	3.35	10.6	3.07
	0.0	-0.7	14.4	3.98	13.5	3.70	12.5	3.43	12.0	3.29	11.5	3.16	10.6	2.90
	3.0	2.2	14.4	3.76	13.5	3.50	12.5	3.24	12.0	3.12	11.5	2.99	10.6	2.75
	5.0	4.1	14.4	3.63	13.5	3.38	12.5	3.13	12.0	3.01	11.5	2.89	10.6	2.66
	7.0	6.0	14.4	3.50	13.5	3.27	12.5	3.03	12.0	2.92	11.5	2.80	10.6	2.58
	9.0	7.9	14.4	3.39	13.5	3.16	12.5	2.94	12.0	2.83	11.5	2.72	10.6	2.50
	11.0	9.8	14.4	3.29	13.5	3.07	12.5	2.85	12.0	2.74	11.5	2.64	10.6	2.43
	13.0	11.8	14.4	3.19	13.5	2.97	12.5	2.77	12.0	2.66	11.5	2.56	10.6	2.36
	15.0	13.7	14.4	3.09	13.5	2.89	12.5	2.69	12.0	2.59	11.5	2.49	10.6	2.30

3D097506B

5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ10T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-19.8	-20.0	19.3	4.88	19.2	5.38	19.1	5.89	19.1	6.14	19.0	6.39	18.9	6.90
	-18.8	-19.0	19.6	5.01	19.5	5.51	19.4	6.01	19.4	6.26	19.3	6.50	19.3	7.00
	-16.7	-17.0	20.3	5.30	20.2	5.78	20.2	6.26	20.1	6.50	20.1	6.74	20.0	7.21
	-13.7	-15.0	21.1	5.60	21.1	6.06	21.0	6.52	20.9	6.75	20.9	6.98	20.8	7.44
	-11.8	-13.0	22.1	5.91	22.0	6.35	21.9	6.79	21.8	7.01	21.8	7.23	21.7	7.67
	-9.8	-11.0	23.1	6.22	23.0	6.64	22.9	7.06	22.9	7.27	22.8	7.48	22.7	7.89
	-9.5	-10.0	23.6	6.37	23.5	6.78	23.4	7.19	23.4	7.40	23.3	7.60	23.3	8.01
	-8.5	-9.1	24.1	6.51	24.0	6.91	23.9	7.31	23.9	7.51	23.9	7.71	23.8	8.11
	-7.0	-7.6	25.0	6.74	24.9	7.12	24.8	7.51	24.8	7.70	24.7	7.89	24.6	8.28
	-5.0	-5.6	26.2	7.03	26.2	7.40	26.1	7.77	26.0	7.95	26.0	8.13	25.9	8.50
	-3.0	-3.7	27.5	7.31	27.4	7.66	27.3	8.00	27.3	8.18	27.3	8.35	27.2	8.70
	0.0	-0.7	29.7	7.72	29.6	8.04	29.5	8.36	29.5	8.52	29.4	8.68	29.4	9.01
	3.0	2.2	32.0	8.09	31.9	8.39	31.8	8.69	31.8	8.84	31.8	8.99	31.7	9.28
	5.0	4.1	33.6	8.32	33.5	8.60	33.5	8.89	33.4	9.03	33.4	9.17	33.3	9.45
	7.0	6.0	35.3	8.54	35.2	8.81	35.2	9.08	35.1	9.21	35.1	9.35	34.7	9.47
	9.0	7.9	37.1	8.75	37.0	9.00	36.9	9.26	36.9	9.39	36.9	9.52	34.7	8.91
	11.0	9.8	39.0	8.94	38.9	9.19	38.8	9.43	38.8	9.55	37.8	9.31	34.7	8.39
	13.0	11.8	41.0	9.14	41.0	9.37	40.9	9.60	39.4	9.18	37.8	8.74	34.7	7.88
	15.0	13.7	43.1	9.32	43.0	9.54	41.0	9.07	39.4	8.65	37.8	8.24	34.7	7.44
120	-19.8	-20.0	19.2	5.46	19.1	5.93	19.0	6.39	19.0	6.62	18.9	6.86	18.9	7.32
	-18.8	-19.0	19.5	5.59	19.4	6.05	19.3	6.50	19.3	6.73	19.3	6.96	19.2	7.42
	-16.7	-17.0	20.2	5.86	20.1	6.30	20.1	6.74	20.0	6.96	20.0	7.18	19.9	7.62
	-13.7	-15.0	21.1	6.13	21.0	6.56	20.9	6.98	20.9	7.19	20.8	7.40	20.7	7.83
	-11.8	-13.0	22.0	6.42	21.9	6.82	21.8	7.23	21.8	7.43	21.7	7.63	21.6	8.04
	-9.8	-11.0	23.0	6.70	22.9	7.09	22.8	7.48	22.8	7.67	22.7	7.86	22.7	8.25
	-9.5	-10.0	23.5	6.85	23.4	7.22	23.3	7.60	23.3	7.79	23.3	7.98	23.2	8.35
	-8.5	-9.1	24.0	6.97	23.9	7.34	23.9	7.71	23.8	7.90	23.8	8.08	23.7	8.45
	-7.0	-7.6	24.9	7.18	24.8	7.54	24.7	7.89	24.7	8.07	24.7	8.25	24.6	8.60
	-5.0	-5.6	26.1	7.46	26.1	7.79	26.0	8.13	25.9	8.30	25.9	8.47	25.8	8.81
	-3.0	-3.7	27.4	7.71	27.3	8.03	27.3	8.35	27.2	8.51	27.2	8.67	27.1	9.00
	0.0	-0.7	29.6	8.09	29.5	8.39	29.4	8.68	29.4	8.83	29.4	8.98	29.3	9.28
	3.0	2.2	31.9	8.43	31.8	8.71	31.8	8.99	31.7	9.12	31.7	9.26	31.6	9.54
	5.0	4.1	33.5	8.65	33.5	8.91	33.4	9.17	33.3	9.30	33.3	9.43	32.0	9.14
	7.0	6.0	35.2	8.85	35.2	9.10	35.1	9.35	35.0	9.47	34.9	9.55	32.0	8.60
	9.0	7.9	37.0	9.04	36.9	9.28	36.9	9.52	36.3	9.44	34.9	8.98	32.0	8.09
	11.0	9.8	38.9	9.23	38.8	9.45	37.8	9.31	36.3	8.88	34.9	8.46	32.0	7.63
	13.0	11.8	40.9	9.41	40.7	9.56	37.8	8.74	36.3	8.34	34.9	7.95	32.0	7.18
	15.0	13.7	43.0	9.57	40.7	9.01	37.8	8.24	36.3	7.87	34.9	7.50	32.0	6.78
110	-19.8	-20.0	19.1	6.04	19.0	6.47	18.9	6.90	18.9	7.11	18.9	7.32	18.8	7.75
	-18.8	-19.0	19.4	6.16	19.3	6.58	19.3	7.00	19.2	7.21	19.2	7.42	19.1	7.84
	-16.7	-17.0	20.1	6.41	20.1	6.81	20.0	7.21	19.9	7.42	19.9	7.62	19.8	8.02
	-13.7	-15.0	21.0	6.66	20.9	7.05	20.8	7.44	20.8	7.63	20.7	7.83	20.7	8.21
	-11.8	-13.0	21.9	6.92	21.8	7.29	21.7	7.67	21.7	7.85	21.6	8.04	21.6	8.41
	-9.8	-11.0	22.9	7.19	22.8	7.54	22.7	7.89	22.7	8.07	22.7	8.25	22.6	8.60
	-9.5	-10.0	23.4	7.32	23.3	7.66	23.3	8.01	23.2	8.18	23.2	8.35	23.1	8.70
	-8.5	-9.1	23.9	7.43	23.8	7.77	23.8	8.11	23.7	8.28	23.7	8.45	23.6	8.79
	-7.0	-7.6	24.8	7.63	24.7	7.95	24.6	8.28	24.6	8.44	24.6	8.60	24.5	8.93
	-5.0	-5.6	26.0	7.88	26.0	8.19	25.9	8.50	25.9	8.65	25.8	8.81	25.8	9.12
	-3.0	-3.7	27.3	8.11	27.2	8.41	27.2	8.70	27.1	8.85	27.1	9.00	27.0	9.29
	0.0	-0.7	29.5	8.46	29.4	8.73	29.4	9.01	29.3	9.14	29.3	9.28	29.2	9.55
	3.0	2.2	31.8	8.78	31.7	9.03	31.7	9.28	31.6	9.41	31.6	9.54	29.3	8.74
	5.0	4.1	33.4	8.97	33.4	9.21	33.3	9.45	33.3	9.57	32.0	9.14	29.3	8.23
	7.0	6.0	35.1	9.16	35.1	9.39	34.7	9.47	33.3	9.03	32.0	8.60	29.3	7.75
	9.0	7.9	36.9	9.34	36.8	9.56	34.7	8.91	33.3	8.50	32.0	8.09	29.3	7.31
	11.0	9.8	38.8	9.51	37.3	9.17	34.7	8.39	33.3	8.00	32.0	7.63	29.3	6.90
	13.0	11.8	40.0	9.36	37.3	8.61	34.7	7.88	33.3	7.53	32.0	7.18	29.3	6.50
	15.0	13.7	40.0	8.81	37.3	8.11	34.7	7.44	33.3	7.11	32.0	6.78	29.3	6.15
100	-19.8	-20.0	19.0	6.62	18.9	7.01	18.8	7.40	18.8	7.60	18.8	7.79	18.7	8.18
	-18.8	-19.0	19.3	6.73	19.2	7.11	19.2	7.50	19.1	7.69	19.1	7.88	19.0	8.26
	-16.7	-17.0	20.0	6.96	20.0	7.32	19.9	7.69	19.9	7.88	19.8	8.06	19.8	8.43
	-13.7	-15.0	20.9	7.19	20.8	7.54	20.7	7.90	20.7	8.07	20.7	8.25	20.6	8.60
	-11.8	-13.0	21.8	7.43	21.7	7.77	21.6	8.10	21.6	8.27	21.6	8.44	21.5	8.78
	-9.8	-11.0	22.8	7.67	22.7	7.99	22.6	8.31	22.6	8.47	22.6	8.64	22.5	8.96
	-9.5	-10.0	23.3	7.79	23.2	8.10	23.2	8.42	23.1	8.57	23.1	8.73	23.0	9.05
	-8.5	-9.1	23.8	7.90	23.7	8.20	23.7	8.51	23.6	8.66	23.6	8.82	23.5	9.13
	-7.0	-7.6	24.7	8.07	24.6	8.37	24.6	8.66	24.5	8.81	24.5	8.96	24.4	9.26
	-5.0	-5.6	25.9	8.30	25.9	8.58	25.8	8.86	25.8	9.01	25.7	9.15	25.7	9.43
	-3.0	-3.7	27.2	8.51	27.2	8.78	27.1	9.05	27.1	9.18	27.0	9.32	26.7	9.42
	0.0	-0.7	29.4	8.83	29.3	9.08	29.3	9.33	29.2	9.45	29.1	9.51	26.7	8.56
	3.0	2.2	31.7	9.12	31.7	9.35	31.5	9.54	30.3	9.10	29.1	8.66	26.7	7.81
	5.0	4.1	33.3	9.30	33.3	9.52	31.5	8.97	30.3	8.56	29.1	8.15	26.7	7.36
	7.0	6.0	35.0	9.47	33.9	9.23	31.5	8.44	30.3	8.05	29.1	7.68	26.7	6.94
	9.0	7.9	36.3	9.44	33.9	8.68	31.5	7.95	30.3	7.59	29.1	7.24	26.7	6.55
	11.0	9.8	36.3	8.88	33.9	8.18	31.5	7.49	30.3	7.16	29.1	6.83	26.7	6.19
	13.0	11.8	36.3	8.34	33.9	7.69	31.5	7.05	30.3	6.74	29.1	6.44	26.7	5.85
	15.0	13.7	36.3	7.87	33.9	7.26	31.5	6.67	30.3	6.38	29.1	6.09	26.7	5.54

3D097506B

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. is shown as reference. When selecting the unit models, avoid the Outdoor air temperature range shown by .
   dient als Verweis. Vermeiden Sie bei der Auswahl der Gerätemodelle den als markierten Temperaturbereich der Außenluft
   Η είναι ενδεικτική. κατά την επιλογή των μοντέλων των μονάδων, αποφύγετε το εύρος θερμοκρασίας εξωτερικού αέρα που υποδεικνύεται
   se muestra como referencia. Cuando seleccione los modelos de unidad, evite el intervalo de temperaturas del aire exterior indicado mediante
   est montré comme référence.Lors du choix des modèles d'unités, évitez la plage de températures de l'air extérieur illustré par
   valori riportati unicamente come riferimento. Nel selezionare i modelli delle unità, non considerare i valori di temperatura dell'aria esterna indicati con il colore
   is als referentie getoond. Wanneer modellen van eenheden worden gekozen, vermijd dan het bereik van buitenluchttemperaturen geïllustreerd door
   показан как. При выборе модели устройства избегайте внешнюю температуру воздуха, указанную в
   referans olarak gösterilmektedir. Ünite modellerini seçerken, belirtilen Dış hava sıcaklığı aralığından kaçının
2. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.

5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ10T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	-19.8	-20.0	18.9	7.21	18.8	7.56	18.8	7.91	18.7	8.08	18.7	8.26	18.6	8.61
	-18.8	-19.0	19.2	7.31	19.1	7.65	19.1	7.99	19.1	8.16	19.0	8.34	19.0	8.68
	-16.7	-17.0	19.9	7.51	19.9	7.84	19.8	8.17	19.8	8.34	19.8	8.50	19.7	8.83
	-13.7	-15.0	20.8	7.72	20.7	8.04	20.6	8.35	20.6	8.51	20.6	8.67	20.5	8.99
	-11.8	-13.0	21.7	7.94	21.6	8.24	21.5	8.54	21.5	8.69	21.5	8.85	21.4	9.15
	-9.8	-11.0	22.7	8.15	22.6	8.44	22.6	8.73	22.5	8.88	22.5	9.02	22.4	9.31
	-9.5	-10.0	23.2	8.26	23.1	8.54	23.1	8.83	23.1	8.97	23.0	9.11	23.0	9.39
	-8.5	-9.1	23.7	8.36	23.7	8.63	23.6	8.91	23.6	9.05	23.5	9.19	23.5	9.46
	-7.0	-7.6	24.6	8.52	24.5	8.78	24.5	9.05	24.4	9.18	24.4	9.32	24.0	9.36
	-5.0	-5.6	25.8	8.72	25.8	8.98	25.7	9.23	25.7	9.36	25.7	9.48	24.0	8.80
	-3.0	-3.7	27.1	8.92	27.1	9.16	27.0	9.40	27.0	9.52	26.2	9.21	24.0	8.29
	0.0	-0.7	29.3	9.20	29.2	9.43	28.4	9.22	27.3	8.79	26.2	8.37	24.0	7.55
	3.0	2.2	31.6	9.47	30.5	9.18	28.4	8.40	27.3	8.02	26.2	7.64	24.0	6.91
	5.0	4.1	32.7	9.39	30.5	8.64	28.4	7.91	27.3	7.55	26.2	7.20	24.0	6.52
	7.0	6.0	32.7	8.83	30.5	8.13	28.4	7.45	27.3	7.12	26.2	6.80	24.0	6.16
	9.0	7.9	32.7	8.31	30.5	7.66	28.4	7.03	27.3	6.72	26.2	6.42	24.0	5.83
	11.0	9.8	32.7	7.83	30.5	7.23	28.4	6.64	27.3	6.35	26.2	6.07	24.0	5.52
	13.0	11.8	32.7	7.37	30.5	6.81	28.4	6.26	27.3	5.99	26.2	5.73	24.0	5.21
	15.0	13.7	32.7	6.96	30.5	6.44	28.4	5.93	27.3	5.68	26.2	5.43	24.0	4.95
80	-19.8	-20.0	18.8	7.79	18.7	8.10	18.7	8.41	18.6	8.57	18.6	8.72	18.6	9.03
	-18.8	-19.0	19.1	7.88	19.0	8.18	19.0	8.49	19.0	8.64	18.9	8.79	18.9	9.10
	-16.7	-17.0	19.8	8.06	19.8	8.35	19.7	8.65	19.7	8.79	19.7	8.94	19.6	9.24
	-13.7	-15.0	20.7	8.25	20.6	8.53	20.5	8.81	20.5	8.95	20.5	9.09	20.4	9.38
	-11.8	-13.0	21.6	8.44	21.5	8.71	21.5	8.98	21.4	9.12	21.4	9.25	21.3	9.50
	-9.8	-11.0	22.6	8.64	22.5	8.89	22.5	9.15	22.4	9.28	22.4	9.41	21.3	8.97
	-9.5	-10.0	23.1	8.73	23.1	8.98	23.0	9.23	23.0	9.36	23.0	9.49	21.3	8.72
	-8.5	-9.1	23.6	8.82	23.6	9.06	23.5	9.31	23.5	9.43	23.3	9.43	21.3	8.49
	-7.0	-7.6	24.5	8.96	24.4	9.20	24.4	9.43	24.2	9.47	23.3	9.01	21.3	8.12
	-5.0	-5.6	25.7	9.15	25.7	9.37	25.2	9.34	24.2	8.90	23.3	8.48	21.3	7.65
	-3.0	-3.7	27.0	9.32	27.0	9.53	25.2	8.80	24.2	8.39	23.3	7.99	21.3	7.22
	0.0	-0.7	29.1	9.51	27.1	8.74	25.2	8.00	24.2	7.64	23.3	7.29	21.3	6.60
	3.0	2.2	29.1	8.66	27.1	7.97	25.2	7.31	24.2	6.99	23.3	6.67	21.3	6.05
	5.0	4.1	29.1	8.15	27.1	7.51	25.2	6.90	24.2	6.60	23.3	6.30	21.3	5.72
	7.0	6.0	29.1	7.68	27.1	7.09	25.2	6.51	24.2	6.23	23.3	5.95	21.3	5.41
	9.0	7.9	29.1	7.24	27.1	6.69	25.2	6.15	24.2	5.89	23.3	5.63	21.3	5.13
	11.0	9.8	29.1	6.83	27.1	6.32	25.2	5.82	24.2	5.58	23.3	5.34	21.3	4.86
	13.0	11.8	29.1	6.44	27.1	5.96	25.2	5.50	24.2	5.27	23.3	5.05	21.3	4.61
	15.0	13.7	29.1	6.09	27.1	5.65	25.2	5.21	24.2	5.00	23.3	4.79	21.3	4.38
70	-19.8	-20.0	18.7	8.37	18.6	8.65	18.6	8.92	18.6	9.05	18.5	9.19	18.5	9.46
	-18.8	-19.0	19.0	8.45	19.0	8.72	18.9	8.98	18.9	9.12	18.9	9.25	18.7	9.39
	-16.7	-17.0	19.7	8.61	19.7	8.87	19.6	9.13	19.6	9.25	19.6	9.38	18.7	8.96
	-13.7	-15.0	20.6	8.78	20.5	9.02	20.5	9.27	20.4	9.39	20.4	9.47	18.7	8.53
	-11.8	-13.0	21.5	8.95	21.4	9.18	21.4	9.42	21.2	9.43	20.4	8.98	18.7	8.09
	-9.8	-11.0	22.5	9.12	22.4	9.34	22.1	9.35	21.2	8.91	20.4	8.49	18.7	7.65
	-9.5	-10.0	23.0	9.20	23.0	9.42	22.1	9.08	21.2	8.66	20.4	8.24	18.7	7.44
	-8.5	-9.1	23.5	9.28	23.5	9.49	22.1	8.84	21.2	8.43	20.4	8.03	18.7	7.25
	-7.0	-7.6	24.4	9.40	23.7	9.24	22.1	8.45	21.2	8.07	20.4	7.69	18.7	6.95
	-5.0	-5.6	25.4	9.45	23.7	8.69	22.1	7.95	21.2	7.60	20.4	7.24	18.7	6.56
	-3.0	-3.7	25.4	8.90	23.7	8.19	22.1	7.51	21.2	7.17	20.4	6.84	18.7	6.20
	0.0	-0.7	25.4	8.09	23.7	7.46	22.1	6.85	21.2	6.55	20.4	6.26	18.7	5.68
	3.0	2.2	25.4	7.39	23.7	6.83	22.1	6.28	21.2	6.01	20.4	5.75	18.7	5.23
	5.0	4.1	25.4	6.97	23.7	6.45	22.1	5.94	21.2	5.68	20.4	5.44	18.7	4.95
	7.0	6.0	25.4	6.58	23.7	6.09	22.1	5.61	21.2	5.38	20.4	5.15	18.7	4.70
	9.0	7.9	25.4	6.22	23.7	5.76	22.1	5.32	21.2	5.10	20.4	4.88	18.7	4.46
	11.0	9.8	25.4	5.88	23.7	5.46	22.1	5.04	21.2	4.84	20.4	4.63	18.7	4.24
	13.0	11.8	25.4	5.56	23.7	5.16	22.1	4.77	21.2	4.58	20.4	4.39	18.7	4.02
	15.0	13.7	25.4	5.27	23.7	4.89	22.1	4.53	21.2	4.35	20.4	4.18	18.7	3.83
60	-19.8	-20.0	18.6	8.96	18.5	9.19	18.5	9.42	18.2	9.30	17.4	8.85	16.0	7.97
	-18.8	-19.0	18.9	9.02	18.9	9.25	18.8	9.48	18.2	9.10	17.4	8.66	16.0	7.81
	-16.7	-17.0	19.6	9.16	19.6	9.38	18.9	9.11	18.2	8.68	17.4	8.27	16.0	7.46
	-13.7	-15.0	20.5	9.31	20.4	9.47	18.9	8.66	18.2	8.26	17.4	7.87	16.0	7.11
	-11.8	-13.0	21.4	9.45	20.4	8.98	18.9	8.21	18.2	7.84	17.4	7.47	16.0	6.76
	-9.8	-11.0	21.8	9.22	20.4	8.49	18.9	7.77	18.2	7.42	17.4	7.08	16.0	6.41
	-9.5	-10.0	21.8	8.96	20.4	8.24	18.9	7.55	18.2	7.22	17.4	6.89	16.0	6.24
	-8.5	-9.1	21.8	8.72	20.4	8.03	18.9	7.36	18.2	7.04	17.4	6.72	16.0	6.09
	-7.0	-7.6	21.8	8.34	20.4	7.69	18.9	7.05	18.2	6.74	17.4	6.44	16.0	5.84
	-5.0	-5.6	21.8	7.85	20.4	7.24	18.9	6.65	18.2	6.36	17.4	6.08	16.0	5.53
	-3.0	-3.7	21.8	7.41	20.4	6.84	18.9	6.29	18.2	6.02	17.4	5.76	16.0	5.24
	0.0	-0.7	21.8	6.77	20.4	6.26	18.9	5.77	18.2	5.52	17.4	5.29	16.0	4.82
	3.0	2.2	21.8	6.20	20.4	5.75	18.9	5.30	18.2	5.08	17.4	4.87	16.0	4.45
	5.0	4.1	21.8	5.86	20.4	5.44	18.9	5.02	18.2	4.82	17.4	4.62	16.0	4.22
	7.0	6.0	21.8	5.55	20.4	5.15	18.9	4.76	18.2	4.57	17.4	4.38	16.0	4.02
	9.0	7.9	21.8	5.25	20.4	4.88	18.9	4.52	18.2	4.34	17.4	4.17	16.0	3.82
	11.0	9.8	21.8	4.98	20.4	4.63	18.9	4.29	18.2	4.13	17.4	3.96	16.0	3.64
	13.0	11.8	21.8	4.71	20.4	4.39	18.9	4.07	18.2	3.92	17.4	3.76	16.0	3.46
	15.0	13.7	21.8	4.48	20.4	4.18	18.9	3.88	18.2	3.73	17.4	3.59	16.0	3.30
50	-19.8	-20.0	18.2	9.30	17.0	8.55	15.8	7.83	15.1	7.48	14.5	7.13	13.3	6.46
	-18.8	-19.0	18.2	9.10	17.0	8.37	15.8	7.67	15.1	7.32	14.5	6.99	13.3	6.33
	-16.7	-17.0	18.2	8.68	17.0	8.00	15.8	7.33	15.1	7.01	14.5	6.69	13.3	6.06
	-13.7	-15.0	18.2	8.26	17.0	7.61	15.8	6.99	15.1	6.68	14.5	6.38	13.3	5.79
	-11.8	-13.0	18.2	7.84	17.0	7.23	15.8	6.64	15.1	6.35	14.5	6.07	13.3	5.52
	-9.8	-11.0	18.2	7.42	17.0	6.85	15.8	6.30	15.1	6.03	14.5	5.77	13.3	5.25
	-9.5	-10.0	18.2	7.22	17.0	6.67	15.8	6.13	15.1	5.87	14.5	5.62	13.3	5.11
	-8.5	-9.1	18.2	7.04	17.0	6.50	15.8	5.99	15.1	5.73	14.5	5.48	13.3	4.99
	-7.0	-7.6	18.2	6.74	17.0	6.24	15.8	5.74	15.1	5.50	14.5	5.27	13.3	4.80
	-5.0	-5.6	18.2	6.36	17.0	5.89	15.8	5.43	15.1	5.21	14.5	4.99	13.3	4.55
	-3.0	-3.7	18.2	6.02	17.0	5.58	15.8	5.15	15.1	4.94	14.5	4.74	13.3	4.33
	0.0	-0.7	18.2	5.52	17.0	5.13	15.8	4.74	15.1	4.55	14.5	4.37	13.3	4.00
	3.0	2.2	18.2	5.08	17.0	4.73	15.8	4.38	15.1	4.21	14.5	4.04	13.3	3.71
	5.0	4.1	18.2	4.82	17.0	4.49	15.8	4.16	15.1	4.00	14.5	3.84	13.3	3.53
	7.0	6.0	18.2	4.57	17.0	4.26	15.8	3.95	15.1	3.80	14.5	3.66	13.3	3.36
	9.0	7.9	18.2	4.34	17.0	4.05	15.8	3.76	15.1	3.62	14.5	3.48	13.3	3.21
	11.0	9.8	18.2	4.13	17.0	3.85	15.8	3.58	15.1	3.45	14.5	3.32	13.3	3.06
	13.0	11.8	18.2	3.92	17.0	3.66	15.8	3.41	15.1	3.29	14.5	3.16	13.3	2.92
	15.0	13.7	18.2	3.73	17.0	3.49	15.8	3.26	15.1	3.14	14.5	3.02	13.3	2.80

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5 Capacity tables

5 - 2 Heating Capacity Tables

RXYT12T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-19.8	-20.0	21.6	5.05	21.5	5.69	21.4	6.34	21.3	6.66	21.3	6.98	21.2	7.63
	-18.8	-19.0	21.9	5.22	21.8	5.85	21.7	6.49	21.7	6.81	21.6	7.12	21.5	7.76
	-16.7	-17.0	22.7	5.59	22.6	6.20	22.5	6.81	22.5	7.11	22.4	7.42	22.3	8.02
	-13.7	-15.0	23.7	5.97	23.6	6.55	23.5	7.14	23.4	7.43	23.4	7.72	23.3	8.30
	-11.8	-13.0	24.7	6.35	24.6	6.91	24.5	7.47	24.4	7.75	24.4	8.03	24.3	8.59
	-9.8	-11.0	25.8	6.74	25.7	7.28	25.6	7.81	25.5	8.08	25.5	8.34	25.4	8.87
	-9.5	-10.0	26.4	6.94	26.3	7.46	26.2	7.98	26.1	8.24	26.1	8.50	26.0	9.02
	-8.5	-9.1	27.0	7.11	26.9	7.62	26.8	8.13	26.7	8.38	26.7	8.64	26.6	9.14
	-7.0	-7.6	27.9	7.39	27.8	7.88	27.7	8.37	27.7	8.62	27.6	8.86	27.5	9.35
	-5.0	-5.6	29.3	7.77	29.2	8.23	29.1	8.70	29.1	8.93	29.0	9.16	28.9	9.63
	-3.0	-3.7	30.8	8.11	30.7	8.55	30.6	8.99	30.5	9.21	30.5	9.44	30.4	9.88
	0.0	-0.7	33.2	8.62	33.1	9.03	33.0	9.44	32.9	9.64	32.9	9.85	32.8	10.26
	3.0	2.2	35.8	9.09	35.7	9.46	35.6	9.84	35.5	10.03	35.5	10.22	35.4	10.60
	5.0	4.1	37.6	9.37	37.5	9.73	37.4	10.09	37.3	10.27	37.3	10.45	37.2	10.81
	7.0	6.0	39.5	9.64	39.4	9.99	39.3	10.33	39.2	10.50	39.2	10.67	39.1	11.01
	9.0	7.9	41.5	9.90	41.4	10.23	41.3	10.55	41.2	10.71	41.2	10.88	41.0	11.20
	11.0	9.8	43.5	10.14	43.4	10.45	43.3	10.76	43.3	10.92	43.2	11.07	41.3	10.62
	13.0	11.8	45.8	10.39	45.7	10.68	45.6	10.97	45.6	11.12	45.0	11.06	41.3	9.98
	15.0	13.7	48.1	10.60	48.0	10.88	47.9	11.16	46.9	10.95	45.0	10.42	41.3	9.41
120	-19.8	-20.0	21.5	5.79	21.4	6.39	21.3	6.98	21.2	7.28	21.2	7.58	21.1	8.17
	-18.8	-19.0	21.8	5.95	21.7	6.54	21.6	7.12	21.6	7.41	21.5	7.71	21.4	8.29
	-16.7	-17.0	22.6	6.29	22.5	6.85	22.4	7.42	22.4	7.70	22.3	7.98	22.3	8.54
	-13.7	-15.0	23.5	6.64	23.5	7.18	23.4	7.72	23.3	7.99	23.3	8.26	23.2	8.80
	-11.8	-13.0	24.6	7.00	24.5	7.51	24.4	8.03	24.3	8.29	24.3	8.55	24.2	9.06
	-9.8	-11.0	25.7	7.36	25.6	7.85	25.5	8.34	25.4	8.59	25.4	8.83	25.3	9.33
	-9.5	-10.0	26.3	7.54	26.2	8.02	26.1	8.50	26.0	8.74	26.0	8.98	25.9	9.46
	-8.5	-9.1	26.8	7.70	26.8	8.17	26.7	8.64	26.6	8.87	26.6	9.11	26.5	9.57
	-7.0	-7.6	27.8	7.96	27.7	8.41	27.6	8.86	27.6	9.09	27.5	9.32	27.4	9.77
	-5.0	-5.6	29.2	8.30	29.1	8.73	29.0	9.16	29.0	9.38	28.9	9.59	28.8	10.02
	-3.0	-3.7	30.6	8.62	30.6	9.03	30.5	9.44	30.4	9.64	30.4	9.84	30.3	10.25
	0.0	-0.7	33.1	9.09	33.0	9.47	32.9	9.85	32.8	10.04	32.8	10.23	32.7	10.60
	3.0	2.2	35.7	9.52	35.6	9.87	35.5	10.22	35.4	10.40	35.4	10.57	35.3	10.92
	5.0	4.1	37.5	9.79	37.4	10.12	37.3	10.45	37.2	10.62	37.2	10.78	37.1	11.11
	7.0	6.0	39.4	10.04	39.3	10.35	39.2	10.67	39.1	10.83	39.1	10.98	38.1	10.90
	9.0	7.9	41.3	10.28	41.2	10.58	41.2	10.88	41.1	11.03	41.1	11.18	38.1	10.26
	11.0	9.8	43.4	10.50	43.3	10.79	43.2	11.07	43.2	11.21	41.5	10.71	38.1	9.66
	13.0	11.8	45.7	10.72	45.6	10.99	45.0	11.06	43.3	10.56	41.5	10.06	38.1	9.09
	15.0	13.7	48.0	10.92	47.9	11.18	45.0	10.42	43.3	9.95	41.5	9.49	38.1	8.58
110	-19.8	-20.0	21.3	6.53	21.2	7.08	21.2	7.63	21.1	7.90	21.1	8.17	21.0	8.72
	-18.8	-19.0	21.7	6.68	21.6	7.22	21.5	7.76	21.5	8.02	21.4	8.29	21.4	8.83
	-16.7	-17.0	22.5	6.99	22.4	7.51	22.3	8.02	22.3	8.28	22.3	8.54	22.2	9.06
	-13.7	-15.0	23.4	7.32	23.3	7.81	23.3	8.30	23.2	8.55	23.2	8.80	23.1	9.29
	-11.8	-13.0	24.4	7.64	24.4	8.12	24.3	8.59	24.2	8.83	24.2	9.06	24.1	9.53
	-9.8	-11.0	25.6	7.97	25.5	8.42	25.4	8.87	25.4	9.10	25.3	9.33	25.2	9.78
	-9.5	-10.0	26.2	8.14	26.1	8.58	26.0	9.02	25.9	9.24	25.9	9.46	25.8	9.90
	-8.5	-9.1	26.7	8.28	26.6	8.71	26.6	9.14	26.5	9.36	26.5	9.57	26.4	10.01
	-7.0	-7.6	27.7	8.52	27.6	8.94	27.5	9.35	27.5	9.56	27.4	9.77	27.4	10.18
	-5.0	-5.6	29.1	8.84	29.0	9.23	28.9	9.63	28.9	9.82	28.8	10.02	28.8	10.42
	-3.0	-3.7	30.5	9.13	30.4	9.50	30.4	9.88	30.3	10.07	30.3	10.25	30.2	10.63
	0.0	-0.7	33.0	9.57	32.9	9.91	32.8	10.26	32.7	10.43	32.7	10.60	32.6	10.95
	3.0	2.2	35.5	9.96	35.5	10.28	35.4	10.60	35.3	10.76	35.3	10.92	34.9	11.10
	5.0	4.1	37.3	10.20	37.3	10.51	37.2	10.81	37.1	10.96	37.1	11.11	34.9	10.44
	7.0	6.0	39.2	10.43	39.1	10.72	39.1	11.01	39.0	11.15	38.1	10.90	34.9	9.83
	9.0	7.9	41.2	10.65	41.1	10.93	41.0	11.20	39.7	10.77	38.1	10.26	34.9	9.26
	11.0	9.8	43.3	10.86	43.2	11.12	41.3	10.62	39.7	10.14	38.1	9.66	34.9	8.74
	13.0	11.8	45.6	11.06	44.4	10.89	41.3	9.98	39.7	9.53	38.1	9.09	34.9	8.23
	15.0	13.7	47.6	11.15	44.4	10.27	41.3	9.41	39.7	8.99	38.1	8.58	34.9	7.78
100	-19.8	-20.0	21.2	7.28	21.1	7.78	21.1	8.27	21.0	8.52	21.0	8.77	20.9	9.26
	-18.8	-19.0	21.6	7.41	21.5	7.90	21.4	8.39	21.4	8.63	21.3	8.88	21.3	9.36
	-16.7	-17.0	22.4	7.70	22.3	8.17	22.2	8.63	22.2	8.87	22.2	9.10	22.1	9.57
	-13.7	-15.0	23.3	7.99	23.2	8.44	23.2	8.89	23.1	9.11	23.1	9.34	23.0	9.79
	-11.8	-13.0	24.3	8.29	24.2	8.72	24.2	9.15	24.1	9.36	24.1	9.58	24.0	10.01
	-9.8	-11.0	25.4	8.59	25.4	9.00	25.3	9.41	25.3	9.61	25.2	9.82	25.1	10.23
	-9.5	-10.0	26.0	8.74	26.0	9.14	25.9	9.54	25.9	9.74	25.8	9.94	25.7	10.34
	-8.5	-9.1	26.6	8.87	26.5	9.26	26.5	9.65	26.4	9.85	26.4	10.04	26.3	10.44
	-7.0	-7.6	27.6	9.09	27.5	9.47	27.4	9.84	27.4	10.03	27.4	10.22	27.3	10.60
	-5.0	-5.6	29.0	9.38	28.9	9.73	28.8	10.09	28.8	10.27	28.8	10.45	28.7	10.81
	-3.0	-3.7	30.4	9.64	30.3	9.98	30.3	10.32	30.2	10.49	30.2	10.66	30.1	11.00
	0.0	-0.7	32.8	10.04	32.8	10.35	32.7	10.67	32.6	10.82	32.6	10.98	31.7	10.87
	3.0	2.2	35.4	10.40	35.3	10.69	35.3	10.98	35.2	11.12	34.6	10.99	31.7	9.91
	5.0	4.1	37.2	10.62	37.1	10.89	37.1	11.17	36.1	10.85	34.6	10.34	31.7	9.33
	7.0	6.0	39.1	10.83	39.0	11.09	37.5	10.70	36.1	10.21	34.6	9.73	31.7	8.80
	9.0	7.9	41.1	11.03	40.4	11.00	37.5	10.07	36.1	9.62	34.6	9.17	31.7	8.30
	11.0	9.8	43.2	11.21	40.4	10.36	37.5	9.49	36.1	9.07	34.6	8.65	31.7	7.85
	13.0	11.8	43.3	10.56	40.4	9.73	37.5	8.93	36.1	8.54	34.6	8.15	31.7	7.40
	15.0	13.7	43.3	9.95	40.4	9.18	37.5	8.43	36.1	8.07	34.6	7.71	31.7	7.01

3D097506B

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. is shown as reference. When selecting the unit models, avoid the Outdoor air temperature range shown by .
   dient als Verweis. Vermeiden Sie bei der Auswahl der Gerätemodelle den als markierten Temperaturbereich der Außenluft
   Η είναι ενδεικτική. κατά την επιλογή των μοντέλων των μονάδων, αποφύγετε το εύρος θερμοκρασίας εξωτερικού αέρα που υποδεικνύεται
   se muestra como referencia. Cuando seleccione los modelos de unidad, evite el intervalo de temperaturas del aire exterior indicado mediante
   est montré comme référence.Lors du choix des modèles d'unités, évitez la plage de températures de l'air extérieur illustré par
   valori riportati unicamente come riferimento. Nel selezionare i modelli delle unità, non considerare i valori di temperatura dell'aria esterna indicati con il colore
   is als referentie getoond. Wanneer modellen van eenheden worden gekozen, vermijd dan het bereik van buitenluchttemperaturen geïllustreerd door
   показан как. При выборе модели устройства избегайте внешнюю температуру воздуха, указанную в
   referans olarak gösterilmektedir. Ünite modellerini seçerken, belirtilen Dış hava sıcaklığı aralığından kaçının
2. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.

5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ12T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	-19.8	-20.0	21.1	8.02	21.0	8.47	21.0	8.92	20.9	9.14	20.9	9.36	20.8	9.81
	-18.8	-19.0	21.5	8.15	21.4	8.58	21.3	9.02	21.3	9.24	21.2	9.46	21.2	9.90
	-16.7	-17.0	22.3	8.40	22.2	8.82	22.1	9.24	22.1	9.45	22.1	9.66	22.0	10.09
	-13.7	-15.0	23.2	8.66	23.1	9.07	23.0	9.47	23.0	9.67	23.0	9.88	22.9	10.28
	-11.8	-13.0	24.2	8.93	24.1	9.32	24.1	9.71	24.0	9.90	24.0	10.09	23.9	10.48
	-9.8	-11.0	25.3	9.20	25.3	9.57	25.2	9.94	25.2	10.13	25.1	10.31	25.0	10.68
	-9.5	-10.0	25.9	9.34	25.9	9.70	25.8	10.06	25.8	10.24	25.7	10.42	25.6	10.78
	-8.5	-9.1	26.5	9.46	26.4	9.81	26.3	10.16	26.3	10.34	26.3	10.51	26.2	10.87
	-7.0	-7.6	27.5	9.66	27.4	9.99	27.3	10.33	27.3	10.50	27.3	10.67	27.2	11.01
	-5.0	-5.6	28.9	9.91	28.8	10.24	28.7	10.56	28.7	10.72	28.7	10.88	28.6	11.19
	-3.0	-3.7	30.3	10.15	30.2	10.46	30.1	10.76	30.1	10.92	30.1	11.07	28.6	10.54
	0.0	-0.7	32.7	10.51	32.7	10.79	32.6	11.08	32.5	11.16	31.2	10.63	28.6	9.59
	3.0	2.2	35.3	10.83	35.2	11.09	33.8	10.66	32.5	10.17	31.2	9.70	28.6	8.77
	5.0	4.1	37.1	11.03	36.3	10.96	33.8	10.03	32.5	9.58	31.2	9.14	28.6	8.27
	7.0	6.0	38.9	11.20	36.3	10.31	33.8	9.45	32.5	9.03	31.2	8.62	28.6	7.81
	9.0	7.9	38.9	10.53	36.3	9.71	33.8	8.91	32.5	8.52	31.2	8.13	28.6	7.38
	11.0	9.8	38.9	9.92	36.3	9.15	33.8	8.41	32.5	8.05	31.2	7.69	28.6	6.99
	13.0	11.8	38.9	9.33	36.3	8.61	33.8	7.92	32.5	7.58	31.2	7.25	28.6	6.60
	15.0	13.7	38.9	8.81	36.3	8.14	33.8	7.50	32.5	7.18	31.2	6.87	28.6	6.26
80	-19.8	-20.0	21.0	8.77	20.9	9.16	20.9	9.56	20.8	9.76	20.8	9.96	20.7	10.36
	-18.8	-19.0	21.3	8.88	21.3	9.27	21.2	9.66	21.2	9.85	21.2	10.05	21.1	10.44
	-16.7	-17.0	22.2	9.10	22.1	9.48	22.0	9.85	22.0	10.04	22.0	10.23	21.9	10.60
	-13.7	-15.0	23.1	9.34	23.0	9.70	22.9	10.06	22.9	10.24	22.9	10.42	22.8	10.78
	-11.8	-13.0	24.1	9.58	24.0	9.92	24.0	10.26	23.9	10.44	23.9	10.61	23.8	10.95
	-9.8	-11.0	25.2	9.82	25.1	10.15	25.1	10.47	25.1	10.64	25.0	10.80	25.0	11.13
	-9.5	-10.0	25.8	9.94	25.7	10.26	25.7	10.58	25.7	10.74	25.6	10.90	25.4	11.10
	-8.5	-9.1	26.4	10.04	26.3	10.36	26.2	10.67	26.2	10.83	26.2	10.98	25.4	10.81
	-7.0	-7.6	27.4	10.22	27.3	10.52	27.2	10.82	27.2	10.97	27.2	11.13	25.4	10.33
	-5.0	-5.6	28.8	10.45	28.7	10.74	28.6	11.02	28.6	11.17	27.7	10.78	25.4	9.72
	-3.0	-3.7	30.2	10.66	30.1	10.94	30.0	11.18	28.8	10.67	27.7	10.16	25.4	9.18
	0.0	-0.7	32.6	10.98	32.3	11.10	30.0	10.16	28.8	9.71	27.7	9.26	25.4	8.38
	3.0	2.2	34.6	10.99	32.3	10.12	30.0	9.28	28.8	8.87	27.7	8.46	25.4	7.68
	5.0	4.1	34.6	10.34	32.3	9.53	30.0	8.75	28.8	8.37	27.7	7.99	25.4	7.26
	7.0	6.0	34.6	9.73	32.3	8.98	30.0	8.26	28.8	7.90	27.7	7.55	25.4	6.86
	9.0	7.9	34.6	9.17	32.3	8.48	30.0	7.80	28.8	7.47	27.7	7.14	25.4	6.50
	11.0	9.8	34.6	8.65	32.3	8.01	30.0	7.37	28.8	7.06	27.7	6.76	25.4	6.16
	13.0	11.8	34.6	8.15	32.3	7.55	30.0	6.96	28.8	6.67	27.7	6.39	25.4	5.83
	15.0	13.7	34.6	7.71	32.3	7.15	30.0	6.60	28.8	6.33	27.7	6.06	25.4	5.54
70	-19.8	-20.0	20.9	9.51	20.8	9.86	20.7	10.21	20.7	10.38	20.7	10.55	20.6	10.90
	-18.8	-19.0	21.2	9.61	21.2	9.95	21.1	10.29	21.1	10.46	21.1	10.63	21.0	10.97
	-16.7	-17.0	22.0	9.81	22.0	10.13	21.9	10.46	21.9	10.63	21.9	10.79	21.8	11.12
	-13.7	-15.0	23.0	10.01	22.9	10.33	22.8	10.64	22.8	10.80	22.8	10.96	22.2	10.87
	-11.8	-13.0	24.0	10.22	23.9	10.52	23.9	10.82	23.8	10.97	23.8	11.12	22.2	10.30
	-9.8	-11.0	25.1	10.43	25.0	10.72	25.0	11.01	25.0	11.15	24.2	10.81	22.2	9.75
	-9.5	-10.0	25.7	10.54	25.6	10.82	25.6	11.10	25.2	11.02	24.2	10.50	22.2	9.48
	-8.5	-9.1	26.3	10.63	26.2	10.91	26.1	11.18	25.2	10.73	24.2	10.22	22.2	9.23
	-7.0	-7.6	27.2	10.79	27.2	11.05	26.3	10.75	25.2	10.26	24.2	9.78	22.2	8.84
	-5.0	-5.6	28.6	10.99	28.3	11.05	26.3	10.12	25.2	9.66	24.2	9.21	22.2	8.34
	-3.0	-3.7	30.1	11.17	28.3	10.41	26.3	9.54	25.2	9.12	24.2	8.70	22.2	7.88
	0.0	-0.7	30.3	10.28	28.3	9.48	26.3	8.70	25.2	8.32	24.2	7.95	22.2	7.22
	3.0	2.2	30.3	9.38	28.3	8.67	26.3	7.97	25.2	7.63	24.2	7.29	22.2	6.64
	5.0	4.1	30.3	8.85	28.3	8.18	26.3	7.53	25.2	7.21	24.2	6.90	22.2	6.28
	7.0	6.0	30.3	8.35	28.3	7.72	26.3	7.12	25.2	6.82	24.2	6.53	22.2	5.96
	9.0	7.9	30.3	7.88	28.3	7.30	26.3	6.74	25.2	6.46	24.2	6.19	22.2	5.65
	11.0	9.8	30.3	7.45	28.3	6.91	26.3	6.38	25.2	6.12	24.2	5.87	22.2	5.37
	13.0	11.8	30.3	7.03	28.3	6.53	26.3	6.04	25.2	5.80	24.2	5.56	22.2	5.09
	15.0	13.7	30.3	6.66	28.3	6.19	26.3	5.73	25.2	5.51	24.2	5.28	22.2	4.84
60	-19.8	-20.0	20.7	10.26	20.7	10.55	20.6	10.85	20.6	11.00	20.6	11.15	19.0	10.18
	-18.8	-19.0	21.1	10.34	21.1	10.63	21.0	10.92	21.0	11.07	20.8	11.05	19.0	9.96
	-16.7	-17.0	21.9	10.51	21.9	10.79	21.8	11.07	21.6	11.08	20.8	10.55	19.0	9.52
	-13.7	-15.0	22.8	10.69	22.8	10.96	22.5	11.04	21.6	10.53	20.8	10.04	19.0	9.07
	-11.8	-13.0	23.9	10.87	23.8	11.12	22.5	10.46	21.6	9.99	20.8	9.52	19.0	8.61
	-9.8	-11.0	25.0	11.05	24.2	10.81	22.5	9.90	21.6	9.45	20.8	9.02	19.0	8.16
	-9.5	-10.0	25.6	11.14	24.2	10.50	22.5	9.62	21.6	9.19	20.8	8.77	19.0	7.95
	-8.5	-9.1	26.0	11.10	24.2	10.22	22.5	9.37	21.6	8.96	20.8	8.55	19.0	7.75
	-7.0	-7.6	26.0	10.61	24.2	9.78	22.5	8.97	21.6	8.58	20.8	8.19	19.0	7.43
	-5.0	-5.6	26.0	9.98	24.2	9.21	22.5	8.46	21.6	8.09	20.8	7.73	19.0	7.03
	-3.0	-3.7	26.0	9.42	24.2	8.70	22.5	8.00	21.6	7.66	20.8	7.32	19.0	6.66
	0.0	-0.7	26.0	8.59	24.2	7.95	22.5	7.32	21.6	7.02	20.8	6.71	19.0	6.12
	3.0	2.2	26.0	7.87	24.2	7.29	22.5	6.73	21.6	6.45	20.8	6.18	19.0	5.64
	5.0	4.1	26.0	7.44	24.2	6.90	22.5	6.37	21.6	6.11	20.8	5.86	19.0	5.36
	7.0	6.0	26.0	7.03	24.2	6.53	22.5	6.04	21.6	5.80	20.8	5.56	19.0	5.09
	9.0	7.9	26.0	6.66	24.2	6.19	22.5	5.73	21.6	5.50	20.8	5.28	19.0	4.84
	11.0	9.8	26.0	6.31	24.2	5.87	22.5	5.44	21.6	5.23	20.8	5.02	19.0	4.61
	13.0	11.8	26.0	5.97	24.2	5.56	22.5	5.16	21.6	4.96	20.8	4.76	19.0	4.38
	15.0	13.7	26.0	5.67	24.2	5.28	22.5	4.91	21.6	4.72	20.8	4.54	19.0	4.18
50	-19.8	-20.0	20.6	11.00	20.2	10.92	18.8	10.00	18.0	9.55	17.3	9.11	15.9	8.24
	-18.8	-19.0	21.0	11.07	20.2	10.68	18.8	9.79	18.0	9.35	17.3	8.92	15.9	8.08
	-16.7	-17.0	21.6	11.08	20.2	10.20	18.8	9.35	18.0	8.94	17.3	8.53	15.9	7.73
	-13.7	-15.0	21.6	10.53	20.2	9.71	18.8	8.91	18.0	8.52	17.3	8.13	15.9	7.38
	-11.8	-13.0	21.6	9.99	20.2	9.22	18.8	8.46	18.0	8.10	17.3	7.74	15.9	7.03
	-9.8	-11.0	21.6	9.45	20.2	8.73	18.8	8.03	18.0	7.68	17.3	7.34	15.9	6.68
	-9.5	-10.0	21.6	9.19	20.2	8.49	18.8	7.81	18.0	7.48	17.3	7.15	15.9	6.51
	-8.5	-9.1	21.6	8.96	20.2	8.28	18.8	7.62	18.0	7.30	17.3	6.98	15.9	6.36
	-7.0	-7.6	21.6	8.58	20.2	7.94	18.8	7.31	18.0	7.00	17.3	6.70	15.9	6.11
	-5.0	-5.6	21.6	8.09	20.2	7.50	18.8	6.91	18.0	6.63	17.3	6.34	15.9	5.79
	-3.0	-3.7	21.6	7.66	20.2	7.10	18.8	6.55	18.0	6.28	17.3	6.02	15.9	5.50
	0.0	-0.7	21.6	7.02	20.2	6.51	18.8	6.02	18.0	5.78	17.3	5.54	15.9	5.08
	3.0	2.2	21.6	6.45	20.2	6.00	18.8	5.56	18.0	5.34	17.3	5.12	15.9	4.70
	5.0	4.1	21.6	6.11	20.2	5.69	18.8	5.28	18.0	5.07	17.3	4.87	15.9	4.48
	7.0	6.0	21.6	5.80	20.2	5.40	18.8	5.01	18.0	4.82	17.3	4.63	15.9	4.26
	9.0	7.9	21.6	5.50	20.2	5.13	18.8	4.77	18.0	4.59	17.3	4.41	15.9	4.07
	11.0	9.8	21.6	5.23	20.2	4.88	18.8	4.54	18.0	4.37	17.3	4.21	15.9	3.88
	13.0	11.8	21.6	4.96	20.2	4.63	18.8	4.32	18.0	4.16	17.3	4.00	15.9	3.70
	15.0	13.7	21.6	4.72	20.2	4.42	18.8	4.12	18.0	3.97	17.3	3.83	15.9	3.54

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5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ14T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-19.8	-20.0	26.4	6.31	26.3	7.06	26.1	7.82	26.1	8.19	26.0	8.57	25.9	9.33
	-18.8	-19.0	26.8	6.52	26.7	7.26	26.6	8.00	26.5	8.37	26.5	8.74	26.4	9.49
	-16.7	-17.0	27.9	6.96	27.8	7.67	27.6	8.39	27.6	8.74	27.5	9.10	27.4	9.81
	-13.7	-15.0	29.0	7.41	28.9	8.10	28.8	8.78	28.7	9.12	28.7	9.46	28.5	10.14
	-11.8	-13.0	30.3	7.87	30.2	8.52	30.0	9.17	30.0	9.50	29.9	9.83	29.8	10.48
	-9.8	-11.0	31.7	8.32	31.5	8.95	31.4	9.57	31.4	9.88	31.3	10.19	31.2	10.81
	-9.5	-10.0	32.4	8.55	32.3	9.16	32.1	9.76	32.1	10.07	32.0	10.37	31.9	10.98
	-8.5	-9.1	33.1	8.75	33.0	9.34	32.8	9.94	32.8	10.23	32.7	10.53	32.6	11.13
	-7.0	-7.6	34.3	9.08	34.1	9.65	34.0	10.22	34.0	10.51	33.9	10.80	33.8	11.37
	-5.0	-5.6	36.0	9.51	35.8	10.05	35.7	10.59	35.7	10.87	35.6	11.14	35.5	11.68
	-3.0	-3.7	37.7	9.90	37.5	10.42	37.4	10.93	37.4	11.19	37.3	11.45	37.2	11.97
	0.0	-0.7	40.6	10.49	40.5	10.97	40.3	11.45	40.3	11.69	40.2	11.93	40.1	12.41
	3.0	2.2	43.7	11.02	43.5	11.46	43.4	11.91	43.4	12.13	43.3	12.35	43.2	12.80
	5.0	4.1	45.8	11.35	45.7	11.77	45.6	12.19	45.5	12.40	45.4	12.62	45.3	13.04
	7.0	6.0	48.0	11.66	47.9	12.06	47.8	12.46	47.7	12.66	47.7	12.86	47.6	13.27
	9.0	7.9	50.4	11.95	50.3	12.34	50.2	12.72	50.1	12.91	50.0	13.10	49.5	13.31
	11.0	9.8	52.9	12.23	52.7	12.60	52.6	12.96	52.5	13.14	52.5	13.33	49.5	12.55
	13.0	11.8	55.6	12.51	55.4	12.86	55.3	13.20	55.2	13.38	54.0	13.10	49.5	11.81
	15.0	13.7	58.2	12.76	58.1	13.09	58.0	13.42	56.3	12.98	54.0	12.36	49.5	11.16
120	-19.8	-20.0	26.2	7.18	26.1	7.88	26.0	8.57	26.0	8.92	25.9	9.27	25.8	9.97
	-18.8	-19.0	26.7	7.38	26.6	8.06	26.5	8.74	26.4	9.09	26.4	9.43	26.3	10.11
	-16.7	-17.0	27.7	7.78	27.6	8.44	27.5	9.10	27.5	9.43	27.4	9.76	27.3	10.41
	-13.7	-15.0	28.9	8.20	28.8	8.83	28.7	9.46	28.6	9.78	28.5	10.09	28.4	10.72
	-11.8	-13.0	30.1	8.62	30.0	9.22	29.9	9.83	29.9	10.13	29.8	10.43	29.7	11.03
	-9.8	-11.0	31.5	9.04	31.4	9.62	31.3	10.19	31.2	10.48	31.2	10.76	31.1	11.34
	-9.5	-10.0	32.3	9.25	32.1	9.81	32.0	10.37	32.0	10.65	31.9	10.93	31.8	11.49
	-8.5	-9.1	32.9	9.43	32.8	9.98	32.7	10.53	32.7	10.81	32.6	11.08	32.5	11.63
	-7.0	-7.6	34.1	9.74	34.0	10.27	33.9	10.80	33.8	11.06	33.8	11.32	33.7	11.85
	-5.0	-5.6	35.8	10.13	35.7	10.64	35.6	11.14	35.5	11.39	35.5	11.64	35.4	12.14
	-3.0	-3.7	37.5	10.50	37.4	10.97	37.3	11.45	37.2	11.69	37.2	11.93	37.1	12.41
	0.0	-0.7	40.4	11.04	40.3	11.48	40.2	11.93	40.2	12.15	40.1	12.37	40.0	12.81
	3.0	2.2	43.5	11.53	43.4	11.94	43.3	12.35	43.2	12.56	43.2	12.76	43.1	13.17
	5.0	4.1	45.7	11.83	45.5	12.22	45.4	12.62	45.4	12.81	45.3	13.01	45.2	13.40
	7.0	6.0	47.9	12.12	47.8	12.49	47.7	12.86	47.6	13.05	47.6	13.24	45.7	12.83
	9.0	7.9	50.3	12.39	50.1	12.75	50.0	13.10	50.0	13.28	49.8	13.43	45.7	12.10
	11.0	9.8	52.7	12.65	52.6	12.99	52.5	13.33	51.9	13.29	49.8	12.65	45.7	11.42
	13.0	11.8	55.4	12.91	55.3	13.23	54.0	13.10	51.9	12.50	49.8	11.91	45.7	10.76
	15.0	13.7	58.1	13.14	58.0	13.44	54.0	12.36	51.9	11.80	49.8	11.25	45.7	10.17
110	-19.8	-20.0	26.1	8.05	26.0	8.69	25.9	9.33	25.8	9.65	25.8	9.97	25.7	10.61
	-18.8	-19.0	26.6	8.23	26.5	8.86	26.4	9.49	26.3	9.80	26.3	10.11	26.1	10.74
	-16.7	-17.0	27.6	8.61	27.5	9.21	27.4	9.81	27.3	10.11	27.3	10.41	27.2	11.02
	-13.7	-15.0	28.7	8.99	28.6	9.57	28.5	10.14	28.5	10.43	28.4	10.72	28.3	11.30
	-11.8	-13.0	30.0	9.37	29.9	9.93	29.8	10.48	29.7	10.75	29.7	11.03	29.6	11.58
	-9.8	-11.0	31.4	9.76	31.3	10.29	31.2	10.81	31.1	11.08	31.1	11.34	31.0	11.87
	-9.5	-10.0	32.1	9.95	32.0	10.46	31.9	10.98	31.8	11.23	31.8	11.49	31.7	12.01
	-8.5	-9.1	32.8	10.12	32.7	10.62	32.6	11.13	32.5	11.38	32.5	11.63	32.4	12.13
	-7.0	-7.6	34.0	10.40	33.9	10.88	33.8	11.37	33.7	11.61	33.7	11.85	33.6	12.34
	-5.0	-5.6	35.7	10.76	35.6	11.22	35.5	11.68	35.4	11.91	35.4	12.14	35.3	12.60
	-3.0	-3.7	37.4	11.09	37.3	11.53	37.2	11.97	37.1	12.19	37.1	12.41	37.0	12.85
	0.0	-0.7	40.3	11.59	40.2	12.00	40.1	12.41	40.0	12.61	40.0	12.81	39.9	13.22
	3.0	2.2	43.4	12.04	43.3	12.42	43.2	12.80	43.1	12.98	43.1	13.17	41.9	13.02
	5.0	4.1	45.5	12.32	45.4	12.68	45.3	13.04	45.3	13.22	45.2	13.40	41.9	12.27
	7.0	6.0	47.8	12.59	47.7	12.93	47.6	13.27	47.5	13.44	45.7	12.83	41.9	11.57
	9.0	7.9	50.1	12.84	50.0	13.16	49.5	13.31	47.6	12.70	45.7	12.10	41.9	10.92
	11.0	9.8	52.6	13.07	52.5	13.38	49.5	12.55	47.6	11.98	45.7	11.42	41.9	10.32
	13.0	11.8	55.3	13.31	53.3	12.90	49.5	11.81	47.6	11.28	45.7	10.76	41.9	9.74
	15.0	13.7	57.1	13.22	53.3	12.17	49.5	11.16	47.6	10.66	45.7	10.17	41.9	9.22
100	-19.8	-20.0	26.0	8.92	25.9	9.50	25.8	10.08	25.7	10.37	25.7	10.66	25.6	11.25
	-18.8	-19.0	26.4	9.09	26.3	9.66	26.2	10.23	26.2	10.51	26.1	10.80	26.0	11.37
	-16.7	-17.0	27.5	9.43	27.4	9.97	27.3	10.52	27.2	10.80	27.2	11.07	27.1	11.62
	-13.7	-15.0	28.6	9.78	28.5	10.30	28.4	10.83	28.4	11.09	28.3	11.35	28.2	11.87
	-11.8	-13.0	29.9	10.13	29.8	10.63	29.7	11.13	29.6	11.38	29.6	11.63	29.5	12.13
	-9.8	-11.0	31.2	10.48	31.1	10.96	31.0	11.43	31.0	11.67	31.0	11.91	30.9	12.39
	-9.5	-10.0	32.0	10.65	31.9	11.12	31.8	11.59	31.7	11.82	31.7	12.05	31.6	12.52
	-8.5	-9.1	32.7	10.81	32.6	11.26	32.5	11.72	32.4	11.95	32.4	12.18	32.3	12.63
	-7.0	-7.6	33.8	11.06	33.7	11.50	33.7	11.94	33.6	12.16	33.6	12.38	33.5	12.82
	-5.0	-5.6	35.5	11.39	35.4	11.81	35.3	12.23	35.3	12.44	35.2	12.64	35.2	13.06
	-3.0	-3.7	37.2	11.69	37.2	12.09	37.1	12.49	37.0	12.69	37.0	12.89	36.9	13.29
	0.0	-0.7	40.2	12.15	40.1	12.52	40.0	12.88	39.9	13.07	39.9	13.25	38.1	12.73
	3.0	2.2	43.2	12.56	43.1	12.90	43.0	13.24	43.0	13.41	41.5	12.90	38.1	11.63
	5.0	4.1	45.4	12.81	45.3	13.14	45.0	13.37	43.3	12.76	41.5	12.15	38.1	10.97
	7.0	6.0	47.6	13.05	47.5	13.36	45.0	12.60	43.3	12.03	41.5	11.46	38.1	10.36
	9.0	7.9	50.0	13.28	48.5	12.98	45.0	11.88	43.3	11.35	41.5	10.82	38.1	9.79
	11.0	9.8	51.9	13.29	48.5	12.24	45.0	11.22	43.3	10.72	41.5	10.23	38.1	9.27
	13.0	11.8	51.9	12.50	48.5	11.52	45.0	10.57	43.3	10.10	41.5	9.65	38.1	8.76
	15.0	13.7	51.9	11.80	48.5	10.89	45.0	10.00	43.3	9.57	41.5	9.14	38.1	8.30

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. is shown as reference. When selecting the unit models, avoid the Outdoor air temperature range shown by .
   dient als Verweis. Vermeiden Sie bei der Auswahl der Gerätemodelle den als markierten Temperaturbereich der Außenluft
   Η είναι ενδεικτική. κατά την επιλογή των μοντέλων των μονάδων, αποφύγετε το εύρος θερμοκρασίας εξωτερικού αέρα που υποδεικνύεται
   se muestra como referencia. Cuando seleccione los modelos de unidad, evite el intervalo de temperaturas del aire exterior indicado mediante
   est montré comme référence.Lors du choix des modèles d'unités, évitez la plage de températures de l'air extérieur illustré par
   valori riportati unicamente come riferimento. Nel selezionare i modelli delle unità, non considerare i valori di temperatura dell'aria esterna indicati con il colore
   is als referentie getoond. Wanneer modellen van eenheden worden gekozen, vermijd dan het bereik van buitenluchttemperaturen geïllustreerd door
   показан как. При выборе модели устройства избегайте внешнюю температуру воздуха, указанную в
   referans olarak gösterilmektedir. Ünite modellerini seçerken, belirtilen Dış hava sıcaklığı aralığından kaçının
2. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.

5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ14T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	-19.8	-20.0	25.8	9.79	25.7	10.32	25.6	10.84	25.6	11.10	25.6	11.36	25.5	11.88
	-18.8	-19.0	26.3	9.94	26.2	10.45	26.1	10.97	26.1	11.22	26.0	11.48	25.9	11.99
	-16.7	-17.0	27.3	10.25	27.2	10.74	27.1	11.23	27.1	11.48	27.1	11.73	27.0	12.22
	-13.7	-15.0	28.5	10.56	28.4	11.04	28.3	11.51	28.2	11.74	28.2	11.98	28.1	12.45
	-11.8	-13.0	29.7	10.88	29.6	11.33	29.5	11.78	29.5	12.01	29.5	12.23	29.4	12.69
	-9.8	-11.0	31.1	11.20	31.0	11.63	30.9	12.06	30.9	12.27	30.8	12.49	30.8	12.92
	-9.5	-10.0	31.8	11.35	31.7	11.77	31.7	12.19	31.6	12.40	31.6	12.61	31.5	13.03
	-8.5	-9.1	32.5	11.49	32.4	11.90	32.3	12.31	32.3	12.52	32.3	12.72	32.2	13.14
	-7.0	-7.6	33.7	11.72	33.6	12.12	33.5	12.51	33.5	12.71	33.4	12.91	33.4	13.30
	-5.0	-5.6	35.4	12.02	35.3	12.39	35.2	12.77	35.2	12.96	35.1	13.15	34.3	13.06
	-3.0	-3.7	37.1	12.29	37.0	12.65	36.9	13.01	36.9	13.19	36.8	13.37	34.3	12.32
	0.0	-0.7	40.0	12.70	39.9	13.03	39.9	13.36	38.9	13.07	37.4	12.45	34.3	11.23
	3.0	2.2	43.1	13.07	43.0	13.38	40.5	12.51	38.9	11.94	37.4	11.38	34.3	10.29
	5.0	4.1	45.2	13.30	43.6	12.88	40.5	11.79	38.9	11.26	37.4	10.74	34.3	9.73
	7.0	6.0	46.7	13.18	43.6	12.14	40.5	11.13	38.9	10.63	37.4	10.15	34.3	9.20
	9.0	7.9	46.7	12.42	43.6	11.45	40.5	10.51	38.9	10.05	37.4	9.59	34.3	8.71
	11.0	9.8	46.7	11.72	43.6	10.82	40.5	9.93	38.9	9.50	37.4	9.08	34.3	8.25
	13.0	11.8	46.7	11.04	43.6	10.20	40.5	9.38	38.9	8.98	37.4	8.58	34.3	7.81
	15.0	13.7	46.7	10.44	43.6	9.65	40.5	8.89	38.9	8.51	37.4	8.14	34.3	7.42
80	-19.8	-20.0	25.7	10.66	25.6	11.13	25.5	11.59	25.5	11.83	25.4	12.06	25.4	12.52
	-18.8	-19.0	26.1	10.80	26.1	11.25	26.0	11.71	25.9	11.94	25.9	12.17	25.8	12.62
	-16.7	-17.0	27.2	11.07	27.1	11.51	27.0	11.95	27.0	12.17	26.9	12.38	26.9	12.82
	-13.7	-15.0	28.3	11.35	28.2	11.77	28.2	12.19	28.1	12.40	28.1	12.61	28.0	13.03
	-11.8	-13.0	29.6	11.63	29.5	12.03	29.4	12.43	29.4	12.64	29.3	12.84	29.3	13.24
	-9.8	-11.0	31.0	11.91	30.9	12.30	30.8	12.68	30.8	12.87	30.7	13.06	30.5	13.32
	-9.5	-10.0	31.7	12.05	31.6	12.43	31.5	12.80	31.5	12.99	31.5	13.17	30.5	12.93
	-8.5	-9.1	32.4	12.18	32.3	12.54	32.2	12.91	32.2	13.09	32.1	13.27	30.5	12.60
	-7.0	-7.6	33.6	12.38	33.5	12.73	33.4	13.08	33.4	13.26	33.2	13.37	30.5	12.05
	-5.0	-5.6	35.2	12.64	35.2	12.98	35.1	13.31	34.6	13.22	33.2	12.58	30.5	11.35
	-3.0	-3.7	37.0	12.89	36.9	13.21	36.0	13.06	34.6	12.46	33.2	11.87	30.5	10.73
	0.0	-0.7	39.9	13.25	38.8	13.00	36.0	11.90	34.6	11.37	33.2	10.84	30.5	9.81
	3.0	2.2	41.5	12.90	38.8	11.88	36.0	10.89	34.6	10.41	33.2	9.94	30.5	9.01
	5.0	4.1	41.5	12.15	38.8	11.20	36.0	10.29	34.6	9.84	33.2	9.39	30.5	8.53
	7.0	6.0	41.5	11.46	38.8	10.58	36.0	9.72	34.6	9.30	33.2	8.89	30.5	8.08
	9.0	7.9	41.5	10.82	38.8	10.00	36.0	9.20	34.6	8.81	33.2	8.42	30.5	7.66
	11.0	9.8	41.5	10.23	38.8	9.46	36.0	8.71	34.6	8.34	33.2	7.98	30.5	7.28
	13.0	11.8	41.5	9.65	38.8	8.93	36.0	8.23	34.6	7.89	33.2	7.56	30.5	6.90
	15.0	13.7	41.5	9.14	38.8	8.47	36.0	7.82	34.6	7.50	33.2	7.18	30.5	6.56
70	-19.8	-20.0	25.5	11.54	25.5	11.94	25.4	12.35	25.4	12.55	25.3	12.76	25.3	13.16
	-18.8	-19.0	26.0	11.65	25.9	12.05	25.9	12.45	25.8	12.65	25.8	12.85	25.7	13.25
	-16.7	-17.0	27.0	11.89	27.0	12.28	26.9	12.66	26.9	12.85	26.8	13.04	26.7	13.34
	-13.7	-15.0	28.2	12.14	28.1	12.50	28.0	12.87	28.0	13.06	28.0	13.24	26.7	12.67
	-11.8	-13.0	29.4	12.38	29.4	12.74	29.3	13.09	29.3	13.26	29.1	13.33	26.7	12.01
	-9.8	-11.0	30.8	12.63	30.7	12.97	30.7	13.30	30.3	13.22	29.1	12.59	26.7	11.36
	-9.5	-10.0	31.5	12.75	31.5	13.08	31.4	13.41	30.3	12.85	29.1	12.23	26.7	11.05
	-8.5	-9.1	32.2	12.86	32.2	13.18	31.5	13.11	30.3	12.51	29.1	11.92	26.7	10.77
	-7.0	-7.6	33.4	13.04	33.4	13.35	31.5	12.54	30.3	11.97	29.1	11.41	26.7	10.31
	-5.0	-5.6	35.1	13.27	33.9	12.90	31.5	11.81	30.3	11.28	29.1	10.76	26.7	9.74
	-3.0	-3.7	36.3	13.22	33.9	12.17	31.5	11.15	30.3	10.66	29.1	10.17	26.7	9.22
	0.0	-0.7	36.3	12.04	33.9	11.10	31.5	10.19	30.3	9.75	29.1	9.31	26.7	8.46
	3.0	2.2	36.3	11.01	33.9	10.17	31.5	9.36	30.3	8.96	29.1	8.56	26.7	7.79
	5.0	4.1	36.3	10.40	33.9	9.61	31.5	8.85	30.3	8.48	29.1	8.11	26.7	7.39
	7.0	6.0	36.3	9.83	33.9	9.10	31.5	8.38	30.3	8.03	29.1	7.69	26.7	7.01
	9.0	7.9	36.3	9.30	33.9	8.61	31.5	7.95	30.3	7.62	29.1	7.30	26.7	6.66
	11.0	9.8	36.3	8.80	33.9	8.16	31.5	7.54	30.3	7.23	29.1	6.93	26.7	6.34
	13.0	11.8	36.3	8.32	33.9	7.72	31.5	7.14	30.3	6.86	29.1	6.57	26.7	6.02
	15.0	13.7	36.3	7.90	33.9	7.34	31.5	6.79	30.3	6.52	29.1	6.26	26.7	5.74
60	-19.8	-20.0	25.4	12.41	25.3	12.76	25.3	13.10	25.2	13.28	24.9	13.21	22.8	11.91
	-18.8	-19.0	25.9	12.51	25.8	12.85	25.7	13.19	25.7	13.36	24.9	12.91	22.8	11.64
	-16.7	-17.0	26.9	12.71	26.8	13.04	26.8	13.37	26.0	12.92	24.9	12.31	22.8	11.11
	-13.7	-15.0	28.0	12.92	28.0	13.24	27.0	12.87	26.0	12.28	24.9	11.70	22.8	10.57
	-11.8	-13.0	29.3	13.14	29.1	13.33	27.0	12.19	26.0	11.64	24.9	11.10	22.8	10.04
	-9.8	-11.0	30.7	13.35	29.1	12.59	27.0	11.53	26.0	11.02	24.9	10.51	22.8	9.52
	-9.5	-10.0	31.2	13.29	29.1	12.23	27.0	11.21	26.0	10.71	24.9	10.22	22.8	9.27
	-8.5	-9.1	31.2	12.94	29.1	11.92	27.0	10.93	26.0	10.45	24.9	9.97	22.8	9.04
	-7.0	-7.6	31.2	12.38	29.1	11.41	27.0	10.47	26.0	10.01	24.9	9.56	22.8	8.68
	-5.0	-5.6	31.2	11.66	29.1	10.76	27.0	9.88	26.0	9.45	24.9	9.03	22.8	8.21
	-3.0	-3.7	31.2	11.01	29.1	10.17	27.0	9.35	26.0	8.95	24.9	8.56	22.8	7.79
	0.0	-0.7	31.2	10.07	29.1	9.31	27.0	8.58	26.0	8.22	24.9	7.86	22.8	7.17
	3.0	2.2	31.2	9.24	29.1	8.56	27.0	7.90	26.0	7.58	24.9	7.26	22.8	6.63
	5.0	4.1	31.2	8.74	29.1	8.11	27.0	7.49	26.0	7.19	24.9	6.89	22.8	6.30
	7.0	6.0	31.2	8.28	29.1	7.69	27.0	7.11	26.0	6.83	24.9	6.54	22.8	5.99
	9.0	7.9	31.2	7.85	29.1	7.30	27.0	6.75	26.0	6.49	24.9	6.22	22.8	5.71
	11.0	9.8	31.2	7.45	29.1	6.93	27.0	6.42	26.0	6.17	24.9	5.93	22.8	5.44
	13.0	11.8	31.2	7.06	29.1	6.57	27.0	6.10	26.0	5.86	24.9	5.63	22.8	5.18
	15.0	13.7	31.2	6.71	29.1	6.26	27.0	5.81	26.0	5.59	24.9	5.37	22.8	4.95
50	-19.8	-20.0	25.2	13.28	24.2	12.77	22.5	11.70	21.6	11.17	20.8	10.65	19.0	9.65
	-18.8	-19.0	25.7	13.36	24.2	12.49	22.5	11.44	21.6	10.93	20.8	10.42	19.0	9.44
	-16.7	-17.0	26.0	12.92	24.2	11.90	22.5	10.92	21.6	10.43	20.8	9.96	19.0	9.03
	-13.7	-15.0	26.0	12.28	24.2	11.32	22.5	10.39	21.6	9.93	20.8	9.49	19.0	8.61
	-11.8	-13.0	26.0	11.64	24.2	10.74	22.5	9.87	21.6	9.44	20.8	9.02	19.0	8.20
	-9.8	-11.0	26.0	11.02	24.2	10.18	22.5	9.36	21.6	8.96	20.8	8.56	19.0	7.79
	-9.5	-10.0	26.0	10.71	24.2	9.90	22.5	9.11	21.6	8.72	20.8	8.34	19.0	7.59
	-8.5	-9.1	26.0	10.45	24.2	9.66	22.5	8.89	21.6	8.51	20.8	8.14	19.0	7.42
	-7.0	-7.6	26.0	10.01	24.2	9.26	22.5	8.53	21.6	8.17	20.8	7.82	19.0	7.13
	-5.0	-5.6	26.0	9.45	24.2	8.75	22.5	8.07	21.6	7.74	20.8	7.41	19.0	6.77
	-3.0	-3.7	26.0	8.95	24.2	8.30	22.5	7.66	21.6	7.35	20.8	7.04	19.0	6.44
	0.0	-0.7	26.0	8.22	24.2	7.63	22.5	7.06	21.6	6.78	20.8	6.50	19.0	5.95
	3.0	2.2	26.0	7.58	24.2	7.04	22.5	6.53	21.6	6.27	20.8	6.02	19.0	5.52
	5.0	4.1	26.0	7.19	24.2	6.69	22.5	6.20	21.6	5.97	20.8	5.73	19.0	5.26
	7.0	6.0	26.0	6.83	24.2	6.36	22.5	5.90	21.6	5.68	20.8	5.46	19.0	5.02
	9.0	7.9	26.0	6.49	24.2	6.05	22.5	5.62	21.6	5.41	20.8	5.20	19.0	4.79
	11.0	9.8	26.0	6.17	24.2	5.76	22.5	5.36	21.6	5.16	20.8	4.97	19.0	4.58
	13.0	11.8	26.0	5.86	24.2	5.48	22.5	5.10	21.6	4.92	20.8	4.73	19.0	4.37
	15.0	13.7	26.0	5.59	24.2	5.23	22.5	4.88	21.6	4.70	20.8	4.53	19.0	4.19

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5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ16T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	-19.8	-20.0	29.4	7.36	29.3	8.23	29.2	9.10	29.1	9.53	29.0	9.96	28.9	10.83
	-18.8	-19.0	30.0	7.60	29.8	8.46	29.7	9.31	29.6	9.74	29.5	10.16	29.4	11.02
	-16.7	-17.0	31.1	8.11	31.0	8.93	30.8	9.75	30.8	10.16	30.7	10.57	30.6	11.39
	-13.7	-15.0	32.4	8.63	32.2	9.42	32.1	10.20	32.0	10.59	32.0	10.99	31.8	11.77
	-11.8	-13.0	33.8	9.16	33.6	9.91	33.5	10.66	33.4	11.03	33.4	11.41	33.2	12.16
	-9.8	-11.0	35.3	9.68	35.2	10.39	35.0	11.11	35.0	11.47	34.9	11.83	34.8	12.54
	-9.5	-10.0	36.1	9.94	36.0	10.64	35.9	11.33	35.8	11.68	35.7	12.03	35.6	12.73
	-8.5	-9.1	36.9	10.17	36.8	10.85	36.6	11.53	36.6	11.88	36.5	12.22	36.4	12.90
	-7.0	-7.6	38.2	10.55	38.1	11.20	38.0	11.86	37.9	12.19	37.8	12.52	37.7	13.18
	-5.0	-5.6	40.1	11.04	40.0	11.66	39.8	12.29	39.8	12.60	39.7	12.92	39.6	13.54
	-3.0	-3.7	42.0	11.49	41.9	12.09	41.8	12.68	41.7	12.98	41.6	13.28	41.5	13.88
	0.0	-0.7	45.3	12.17	45.1	12.72	45.0	13.27	44.9	13.55	44.9	13.82	44.7	14.38
	3.0	2.2	48.7	12.78	48.6	13.29	48.4	13.80	48.4	14.06	48.3	14.31	48.2	14.83
	5.0	4.1	51.1	13.16	51.0	13.64	50.8	14.13	50.8	14.37	50.7	14.62	50.5	15.10
	7.0	6.0	53.6	13.52	53.5	13.98	53.3	14.44	53.3	14.67	53.2	14.90	53.1	15.37
	9.0	7.9	56.2	13.85	56.1	14.30	56.0	14.74	55.9	14.96	55.8	15.18	55.0	15.32
	11.0	9.8	59.0	14.18	58.8	14.60	58.7	15.02	58.6	15.23	58.6	15.44	55.0	14.44
	13.0	11.8	62.0	14.50	61.8	14.89	61.7	15.29	61.6	15.49	60.0	15.07	55.0	13.59
	15.0	13.7	65.0	14.78	64.8	15.16	64.7	15.54	62.5	14.94	60.0	14.23	55.0	12.84
120	-19.8	-20.0	29.3	8.36	29.1	9.16	29.0	9.96	29.0	10.37	28.9	10.77	28.8	11.57
	-18.8	-19.0	29.8	8.59	29.7	9.37	29.5	10.16	29.5	10.56	29.4	10.95	29.3	11.74
	-16.7	-17.0	30.9	9.06	30.8	9.81	30.7	10.57	30.6	10.95	30.6	11.33	30.4	12.08
	-13.7	-15.0	32.2	9.54	32.1	10.26	32.0	10.99	31.9	11.35	31.8	11.71	31.7	12.44
	-11.8	-13.0	33.6	10.02	33.5	10.71	33.4	11.41	33.3	11.75	33.2	12.10	33.1	12.79
	-9.8	-11.0	35.2	10.50	35.0	11.17	34.9	11.83	34.8	12.16	34.8	12.49	34.7	13.15
	-9.5	-10.0	36.0	10.74	35.9	11.39	35.7	12.03	35.7	12.36	35.6	12.68	35.5	13.32
	-8.5	-9.1	36.7	10.96	36.6	11.59	36.5	12.22	36.4	12.53	36.4	12.85	36.2	13.48
	-7.0	-7.6	38.1	11.31	37.9	11.91	37.8	12.52	37.8	12.83	37.7	13.13	37.6	13.74
	-5.0	-5.6	40.0	11.76	39.8	12.34	39.7	12.92	39.6	13.21	39.6	13.50	39.5	14.07
	-3.0	-3.7	41.9	12.18	41.7	12.73	41.6	13.28	41.6	13.55	41.5	13.83	41.4	14.38
	0.0	-0.7	45.1	12.80	45.0	13.31	44.9	13.82	44.8	14.08	44.7	14.33	44.6	14.84
	3.0	2.2	48.5	13.37	48.4	13.84	48.3	14.31	48.2	14.55	48.2	14.79	48.0	15.26
	5.0	4.1	50.9	13.72	50.8	14.17	50.7	14.62	50.6	14.84	50.6	15.07	50.4	15.52
	7.0	6.0	53.4	14.05	53.3	14.48	53.2	14.90	53.1	15.12	53.1	15.33	50.8	14.77
	9.0	7.9	56.1	14.36	55.9	14.77	55.8	15.18	55.8	15.38	55.4	15.45	50.8	13.92
	11.0	9.8	58.8	14.66	58.7	15.05	58.6	15.44	57.7	15.30	55.4	14.56	50.8	13.14
	13.0	11.8	61.8	14.96	61.7	15.32	60.0	15.07	57.7	14.38	55.4	13.70	50.8	12.38
	15.0	13.7	64.8	15.22	64.6	15.55	60.0	14.23	57.7	13.58	55.4	12.95	50.8	11.71
110	-19.8	-20.0	29.1	9.36	29.0	10.10	28.9	10.83	28.8	11.20	28.8	11.57	28.6	12.30
	-18.8	-19.0	29.6	9.57	29.5	10.29	29.4	11.02	29.3	11.38	29.3	11.74	29.2	12.46
	-16.7	-17.0	30.8	10.00	30.7	10.70	30.6	11.39	30.5	11.74	30.4	12.08	30.3	12.78
	-13.7	-15.0	32.1	10.44	31.9	11.11	31.8	11.77	31.8	12.10	31.7	12.44	31.6	13.10
	-11.8	-13.0	33.5	10.89	33.4	11.52	33.2	12.16	33.2	12.48	33.1	12.79	33.0	13.43
	-9.8	-11.0	35.0	11.33	34.9	11.94	34.8	12.54	34.7	12.85	34.7	13.15	34.5	13.75
	-9.5	-10.0	35.8	11.55	35.7	12.14	35.6	12.73	35.5	13.03	35.5	13.32	35.4	13.92
	-8.5	-9.1	36.6	11.75	36.5	12.32	36.4	12.90	36.3	13.19	36.2	13.48	36.1	14.06
	-7.0	-7.6	37.9	12.07	37.8	12.62	37.7	13.18	37.6	13.46	37.6	13.74	37.5	14.30
	-5.0	-5.6	39.8	12.48	39.7	13.01	39.6	13.54	39.5	13.81	39.5	14.07	39.3	14.60
	-3.0	-3.7	41.7	12.87	41.6	13.37	41.5	13.88	41.4	14.13	41.4	14.38	41.2	14.89
	0.0	-0.7	45.0	13.44	44.8	13.91	44.7	14.38	44.7	14.61	44.6	14.84	44.5	15.31
	3.0	2.2	48.4	13.96	48.3	14.39	48.2	14.83	48.1	15.04	48.0	15.26	46.5	14.99
	5.0	4.1	50.8	14.28	50.7	14.69	50.5	15.10	50.5	15.31	50.4	15.52	46.5	14.12
	7.0	6.0	53.3	14.58	53.2	14.98	53.1	15.37	52.9	15.51	50.8	14.77	46.5	13.32
	9.0	7.9	55.9	14.87	55.8	15.24	55.0	15.32	52.9	14.61	50.8	13.92	46.5	12.57
	11.0	9.8	58.7	15.14	58.5	15.50	55.0	14.44	52.9	13.78	50.8	13.14	46.5	11.88
	13.0	11.8	61.7	15.42	59.2	14.84	55.0	13.59	52.9	12.98	50.8	12.38	46.5	11.21
	15.0	13.7	63.5	15.21	59.2	14.01	55.0	12.84	52.9	12.27	50.8	11.71	46.5	10.61
100	-19.8	-20.0	29.0	10.37	28.8	11.03	28.7	11.70	28.7	12.04	28.6	12.37	28.5	13.04
	-18.8	-19.0	29.5	10.56	29.4	11.21	29.3	11.87	29.2	12.20	29.2	12.52	29.1	13.18
	-16.7	-17.0	30.6	10.95	30.5	11.58	30.4	12.21	30.4	12.52	30.3	12.84	30.2	13.47
	-13.7	-15.0	31.9	11.35	31.8	11.95	31.7	12.56	31.6	12.86	31.6	13.16	31.5	13.76
	-11.8	-13.0	33.3	11.75	33.2	12.33	33.1	12.91	33.0	13.20	33.0	13.49	32.9	14.06
	-9.8	-11.0	34.8	12.16	34.7	12.71	34.6	13.26	34.6	13.53	34.5	13.81	34.4	14.36
	-9.5	-10.0	35.7	12.36	35.6	12.89	35.5	13.43	35.4	13.70	35.3	13.97	35.2	14.51
	-8.5	-9.1	36.4	12.53	36.3	13.06	36.2	13.59	36.2	13.85	36.1	14.11	36.0	14.64
	-7.0	-7.6	37.8	12.83	37.7	13.33	37.5	13.84	37.5	14.09	37.4	14.35	37.3	14.85
	-5.0	-5.6	39.6	13.21	39.5	13.69	39.4	14.17	39.4	14.41	39.3	14.65	39.2	15.13
	-3.0	-3.7	41.6	13.55	41.4	14.01	41.3	14.47	41.3	14.70	41.2	14.93	41.1	15.39
	0.0	-0.7	44.8	14.08	44.7	14.50	44.6	14.93	44.5	15.14	44.5	15.35	42.3	14.64
	3.0	2.2	48.2	14.55	48.1	14.94	48.0	15.34	48.0	15.53	46.2	14.84	42.3	13.38
	5.0	4.1	50.6	14.84	50.5	15.22	50.0	15.39	48.1	14.68	46.2	13.98	42.3	12.63
	7.0	6.0	53.1	15.12	53.0	15.47	50.0	14.50	48.1	13.84	46.2	13.19	42.3	11.92
	9.0	7.9	55.8	15.38	53.8	14.93	50.0	13.67	48.1	13.06	46.2	12.45	42.3	11.27
	11.0	9.8	57.7	15.30	53.8	14.08	50.0	12.91	48.1	12.33	46.2	11.77	42.3	10.67
	13.0	11.8	57.7	14.38	53.8	13.25	50.0	12.16	48.1	11.63	46.2	11.10	42.3	10.08
	15.0	13.7	57.7	13.58	53.8	12.53	50.0	11.51	48.1	11.01	46.2	10.52	42.3	9.56

3D097506B

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

1. is shown as reference. When selecting the unit models, avoid the Outdoor air temperature range shown by .
   dient als Verweis. Vermeiden Sie bei der Auswahl der Gerätemodelle den als markierten Temperaturbereich der Außenluft
   Η είναι ενδεικτική. κατά την επιλογή των μοντέλων των μονάδων, αποφύγετε το εύρος θερμοκρασίας εξωτερικού αέρα που υποδεικνύεται
   se muestra como referencia. Cuando seleccione los modelos de unidad, evite el intervalo de temperaturas del aire exterior indicado mediante
   est montré comme référence.Lors du choix des modèles d'unités, évitez la plage de températures de l'air extérieur illustré par
   valori riportati unicamente come riferimento. Nel selezionare i modelli delle unità, non considerare i valori di temperatura dell'aria esterna indicati con il colore
   is als referentie getoond. Wanneer modellen van eenheden worden gekozen, vermijd dan het bereik van buitenluchttemperaturen geïllustreerd door
   показан как. При выборе модели устройства избегайте внешнюю температуру воздуха, указанную в
   referans olarak gösterilmektedir. Ünite modellerini seçerken, belirtilen Dış hava sıcaklığı aralığından kaçının
2. The above table shows the average value of conditions which may occur.
   Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
   Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
   La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
   Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
   La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
   De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
   Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
   Yukarýdaki tablo meydana gelebilecek koþullarýn ortalama deðerini göstermektedir.

5 Capacity tables

5 - 2 Heating Capacity Tables

RXYTQ16T

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%) Capacity index	Outdoor air temperature		Indoor air temperature: [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	[°CDB]	[°CWB]	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	-19.8	-20.0	28.8	11.37	28.7	11.97	28.6	12.57	28.6	12.87	28.5	13.17	28.4	13.78
	-18.8	-19.0	29.3	11.54	29.2	12.13	29.1	12.72	29.1	13.02	29.0	13.31	28.9	13.90
	-16.7	-17.0	30.5	11.89	30.4	12.46	30.3	13.03	30.2	13.31	30.2	13.60	30.1	14.16
	-13.7	-15.0	31.7	12.25	31.7	12.80	31.6	13.34	31.5	13.61	31.5	13.89	31.4	14.43
	-11.8	-13.0	33.2	12.62	33.1	13.14	33.0	13.66	32.9	13.92	32.9	14.18	32.8	14.70
	-9.8	-11.0	34.7	12.98	34.6	13.48	34.5	13.97	34.5	14.22	34.4	14.47	34.3	14.97
	-9.5	-10.0	35.5	13.16	35.4	13.65	35.3	14.13	35.3	14.37	35.2	14.61	35.1	15.10
	-8.5	-9.1	36.3	13.32	36.2	13.80	36.1	14.27	36.0	14.51	36.0	14.74	35.9	15.22
	-7.0	-7.6	37.6	13.59	37.5	14.04	37.4	14.50	37.4	14.73	37.3	14.95	37.2	15.41
	-5.0	-5.6	39.5	13.93	39.4	14.36	39.3	14.80	39.2	15.01	39.2	15.23	38.1	15.03
	-3.0	-3.7	41.4	14.24	41.3	14.66	41.2	15.07	41.2	15.28	41.1	15.48	38.1	14.17
	0.0	-0.7	44.6	14.71	44.6	15.10	44.5	15.48	43.3	15.04	41.5	14.33	38.1	12.93
	3.0	2.2	48.1	15.14	48.0	15.49	45.0	14.40	43.3	13.74	41.5	13.10	38.1	11.84
	5.0	4.1	50.5	15.40	48.5	14.82	45.0	13.57	43.3	12.96	41.5	12.36	38.1	11.19
	7.0	6.0	51.9	15.17	48.5	13.97	45.0	12.80	43.3	12.24	41.5	11.68	38.1	10.59
	9.0	7.9	51.9	14.30	48.5	13.18	45.0	12.09	43.3	11.56	41.5	11.04	38.1	10.02
	11.0	9.8	51.9	13.49	48.5	12.45	45.0	11.43	43.3	10.94	41.5	10.45	38.1	9.50
	13.0	11.8	51.9	12.70	48.5	11.73	45.0	10.79	43.3	10.33	41.5	9.87	38.1	8.99
	15.0	13.7	51.9	12.01	48.5	11.11	45.0	10.23	43.3	9.79	41.5	9.37	38.1	8.54
80	-19.8	-20.0	28.6	12.37	28.6	12.91	28.5	13.44	28.4	13.71	28.4	13.98	28.3	14.51
	-18.8	-19.0	29.2	12.52	29.1	13.05	29.0	13.57	28.9	13.84	28.9	14.10	28.8	14.62
	-16.7	-17.0	30.3	12.84	30.2	13.34	30.1	13.85	30.1	14.10	30.1	14.35	30.0	14.86
	-13.7	-15.0	31.6	13.16	31.5	13.64	31.4	14.13	31.4	14.37	31.3	14.61	31.2	15.09
	-11.8	-13.0	33.0	13.49	32.9	13.95	32.8	14.41	32.8	14.64	32.7	14.87	32.7	15.33
	-9.8	-11.0	34.5	13.81	34.4	14.25	34.4	14.69	34.3	14.91	34.3	15.13	33.8	15.32
	-9.5	-10.0	35.3	13.97	35.3	14.40	35.2	14.83	35.1	15.04	35.1	15.26	33.8	14.88
	-8.5	-9.1	36.1	14.11	36.0	14.53	35.9	14.95	35.9	15.16	35.9	15.37	33.8	14.50
	-7.0	-7.6	37.4	14.35	37.4	14.75	37.3	15.16	37.2	15.36	36.9	15.39	33.8	13.87
	-5.0	-5.6	39.3	14.65	39.2	15.04	39.2	15.42	38.5	15.21	36.9	14.48	33.8	13.07
	-3.0	-3.7	41.2	14.93	41.2	15.30	40.0	15.03	38.5	14.34	36.9	13.67	33.8	12.35
	0.0	-0.7	44.5	15.35	43.1	14.96	40.0	13.70	38.5	13.08	36.9	12.47	33.8	11.29
	3.0	2.2	46.2	14.84	43.1	13.67	40.0	12.53	38.5	11.98	36.9	11.44	33.8	10.37
	5.0	4.1	46.2	13.98	43.1	12.89	40.0	11.84	38.5	11.32	36.9	10.81	33.8	9.82
	7.0	6.0	46.2	13.19	43.1	12.17	40.0	11.19	38.5	10.70	36.9	10.23	33.8	9.30
	9.0	7.9	46.2	12.45	43.1	11.50	40.0	10.58	38.5	10.13	36.9	9.69	33.8	8.82
	11.0	9.8	46.2	11.77	43.1	10.88	40.0	10.02	38.5	9.60	36.9	9.19	33.8	8.37
	13.0	11.8	46.2	11.10	43.1	10.28	40.0	9.48	38.5	9.08	36.9	8.70	33.8	7.94
	15.0	13.7	46.2	10.52	43.1	9.75	40.0	8.99	38.5	8.63	36.9	8.26	33.8	7.55
70	-19.8	-20.0	28.5	13.37	28.4	13.84	28.3	14.31	28.3	14.54	28.3	14.78	28.2	15.25
	-18.8	-19.0	29.0	13.51	28.9	13.97	28.9	14.43	28.8	14.66	28.8	14.89	28.7	15.35
	-16.7	-17.0	30.2	13.78	30.1	14.23	30.0	14.67	30.0	14.89	29.9	15.11	29.6	15.35
	-13.7	-15.0	31.4	14.07	31.4	14.49	31.3	14.91	31.2	15.12	31.2	15.33	29.6	14.58
	-11.8	-13.0	32.8	14.35	32.8	14.76	32.7	15.16	32.7	15.36	32.3	15.33	29.6	13.82
	-9.8	-11.0	34.4	14.63	34.3	15.02	34.2	15.41	33.7	15.22	32.3	14.49	29.6	13.07
	-9.5	-10.0	35.2	14.78	35.1	15.15	35.0	15.50	33.7	14.78	32.3	14.08	29.6	12.71
	-8.5	-9.1	36.0	14.90	35.9	15.27	35.0	15.09	33.7	14.40	32.3	13.72	29.6	12.39
	-7.0	-7.6	37.3	15.11	37.2	15.46	35.0	14.43	33.7	13.77	32.3	13.13	29.6	11.87
	-5.0	-5.6	39.2	15.37	37.7	14.84	35.0	13.59	33.7	12.98	32.3	12.38	29.6	11.21
	-3.0	-3.7	40.4	15.21	37.7	14.00	35.0	12.83	33.7	12.26	32.3	11.70	29.6	10.61
	0.0	-0.7	40.4	13.85	37.7	12.78	35.0	11.73	33.7	11.22	32.3	10.72	29.6	9.73
	3.0	2.2	40.4	12.67	37.7	11.71	35.0	10.77	33.7	10.31	32.3	9.85	29.6	8.97
	5.0	4.1	40.4	11.97	37.7	11.06	35.0	10.19	33.7	9.76	32.3	9.33	29.6	8.50
	7.0	6.0	40.4	11.31	37.7	10.47	35.0	9.65	33.7	9.24	32.3	8.85	29.6	8.07
	9.0	7.9	40.4	10.70	37.7	9.91	35.0	9.14	33.7	8.77	32.3	8.40	29.6	7.67
	11.0	9.8	40.4	10.13	37.7	9.39	35.0	8.68	33.7	8.32	32.3	7.98	29.6	7.29
	13.0	11.8	40.4	9.58	37.7	8.89	35.0	8.22	33.7	7.89	32.3	7.56	29.6	6.93
	15.0	13.7	40.4	9.09	37.7	8.44	35.0	7.82	33.7	7.51	32.3	7.20	29.6	6.60
60	-19.8	-20.0	28.3	14.38	28.3	14.78	28.2	15.18	28.2	15.38	27.7	15.20	25.4	13.70
	-18.8	-19.0	28.8	14.49	28.8	14.89	28.7	15.28	28.7	15.48	27.7	14.86	25.4	13.40
	-16.7	-17.0	30.0	14.73	29.9	15.11	29.9	15.49	28.8	14.87	27.7	14.16	25.4	12.79
	-13.7	-15.0	31.3	14.97	31.2	15.33	30.0	14.81	28.8	14.13	27.7	13.46	25.4	12.17
	-11.8	-13.0	32.7	15.22	32.3	15.33	30.0	14.03	28.8	13.40	27.7	12.77	25.4	11.55
	-9.8	-11.0	34.2	15.46	32.3	14.49	30.0	13.27	28.8	12.68	27.7	12.09	25.4	10.95
	-9.5	-10.0	34.6	15.29	32.3	14.08	30.0	12.90	28.8	12.33	27.7	11.76	25.4	10.66
	-8.5	-9.1	34.6	14.89	32.3	13.72	30.0	12.58	28.8	12.02	27.7	11.47	25.4	10.40
	-7.0	-7.6	34.6	14.24	32.3	13.13	30.0	12.05	28.8	11.52	27.7	11.00	25.4	9.98
	-5.0	-5.6	34.6	13.41	32.3	12.38	30.0	11.37	28.8	10.88	27.7	10.39	25.4	9.45
	-3.0	-3.7	34.6	12.67	32.3	11.70	30.0	10.76	28.8	10.30	27.7	9.85	25.4	8.96
	0.0	-0.7	34.6	11.58	32.3	10.72	30.0	9.87	28.8	9.46	27.7	9.05	25.4	8.25
	3.0	2.2	34.6	10.63	32.3	9.85	30.0	9.09	28.8	8.72	27.7	8.35	25.4	7.63
	5.0	4.1	34.6	10.06	32.3	9.33	30.0	8.62	28.8	8.27	27.7	7.93	25.4	7.25
	7.0	6.0	34.6	9.53	32.3	8.85	30.0	8.18	28.8	7.85	27.7	7.53	25.4	6.90
	9.0	7.9	34.6	9.04	32.3	8.40	30.0	7.77	28.8	7.47	27.7	7.16	25.4	6.57
	11.0	9.8	34.6	8.57	32.3	7.98	30.0	7.39	28.8	7.10	27.7	6.82	25.4	6.26
	13.0	11.8	34.6	8.12	32.3	7.56	30.0	7.02	28.8	6.75	27.7	6.48	25.4	5.96
	15.0	13.7	34.6	7.73	32.3	7.20	30.0	6.69	28.8	6.44	27.7	6.19	25.4	5.69
50	-19.8	-20.0	28.2	15.38	26.9	14.70	25.0	13.46	24.0	12.85	23.1	12.26	21.2	11.10
	-18.8	-19.0	28.7	15.48	26.9	14.37	25.0	13.16	24.0	12.57	23.1	12.00	21.2	10.87
	-16.7	-17.0	28.8	14.87	26.9	13.70	25.0	12.56	24.0	12.01	23.1	11.46	21.2	10.39
	-13.7	-15.0	28.8	14.13	26.9	13.03	25.0	11.96	24.0	11.43	23.1	10.92	21.2	9.91
	-11.8	-13.0	28.8	13.40	26.9	12.36	25.0	11.36	24.0	10.86	23.1	10.38	21.2	9.43
	-9.8	-11.0	28.8	12.68	26.9	11.71	25.0	10.77	24.0	10.31	23.1	9.85	21.2	8.97
	-9.5	-10.0	28.8	12.33	26.9	11.39	25.0	10.48	24.0	10.04	23.1	9.60	21.2	8.74
	-8.5	-9.1	28.8	12.02	26.9	11.11	25.0	10.23	24.0	9.80	23.1	9.37	21.2	8.54
	-7.0	-7.6	28.8	11.52	26.9	10.66	25.0	9.82	24.0	9.41	23.1	9.00	21.2	8.21
	-5.0	-5.6	28.8	10.88	26.9	10.08	25.0	9.29	24.0	8.91	23.1	8.53	21.2	7.79
	-3.0	-3.7	28.8	10.30	26.9	9.55	25.0	8.82	24.0	8.46	23.1	8.10	21.2	7.41
	0.0	-0.7	28.8	9.46	26.9	8.78	25.0	8.12	24.0	7.80	23.1	7.48	21.2	6.85
	3.0	2.2	28.8	8.72	26.9	8.11	25.0	7.51	24.0	7.22	23.1	6.93	21.2	6.36
	5.0	4.1	28.8	8.27	26.9	7.70	25.0	7.14	24.0	6.86	23.1	6.59	21.2	6.06
	7.0	6.0	28.8	7.85	26.9	7.32	25.0	6.79	24.0	6.54	23.1	6.28	21.2	5.78
	9.0	7.9	28.8	7.47	26.9	6.96	25.0	6.47	24.0	6.23	23.1	5.99	21.2	5.52
	11.0	9.8	28.8	7.10	26.9	6.63	25.0	6.17	24.0	5.94	23.1	5.72	21.2	5.27
	13.0	11.8	28.8	6.75	26.9	6.31	25.0	5.87	24.0	5.66	23.1	5.45	21.2	5.03
	15.0	13.7	28.8	6.44	26.9	6.02	25.0	5.61	24.0	5.41	23.1	5.21	21.2	4.82

3D097506B

5 Capacity tables

5 - 3 Integrated Heating Capacity Correction Factor

RXYTQ-TYF

Integrated heating capacity coefficient

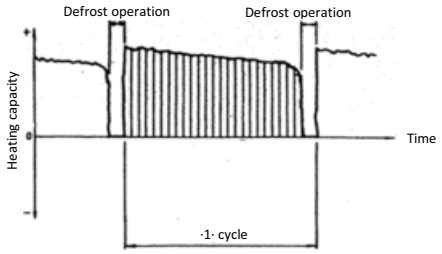
The heating capacity tables do not take into account the capacity reduction in case of frost accumulation or defrost operation.
The capacity values that take these factors into account, or in other words, the integrated heating capacity values, can be calculated as follows:

Formula **A = B * C**

A= Integrated heating capacity
B= Capacity characteristics value
C= Integrated correction factor for frost accumulation (see table)

Inlet air temperature of heat exchanger

[°CDB/°CWB]	-7/-7,6	-5/-5,6	-3/-3,7	0/-0,7	3/2,2	5/4,1	7/6
Integrated correction factor for frost accumulation ·(C)·							
8HP	0,95	0,93	0,88	0,84	0,85	0,90	1,00
10HP	0,95	0,93	0,87	0,79	0,80	0,88	1,00
12HP	0,95	0,92	0,87	0,75	0,76	0,85	1,00
14HP	0,95	0,92	0,86	0,72	0,73	0,84	1,00
16HP	0,95	0,92	0,86	0,72	0,72	0,83	1,00



Only free multi-outdoor-unit combinations are possible. Respect the following calculation rules:
The total integrated heating capacity of a multi-outdoor-unit system = the sum of the integrated heating capacity of each module separately.

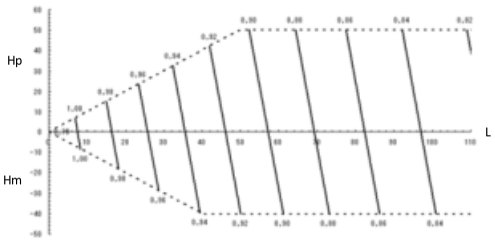
Notes
1. The figure shows the integrated heating capacity for a single cycle (from one defrost operation to the next).
2. When there is an accumulation of snow against the outdoor unit heat exchanger, there will always be a temporary reduction in capacity depending on the outdoor temperature (°C DB), relative humidity (RH) and the amount of frosting which occurs.

3D097510

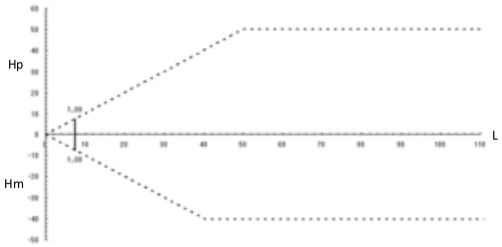
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ8T

Correction ratio for cooling capacity



Correction ratio for heating capacity



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. X Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. X Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
8HP	9,5	12,7	19,1	22,2

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

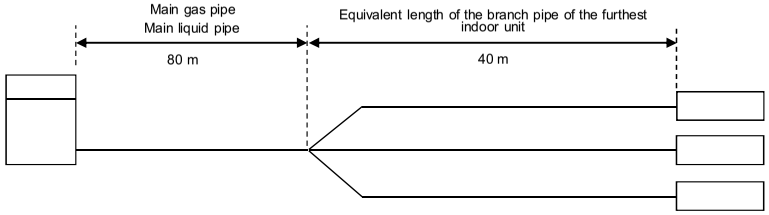
4. Overall equivalent length

Overall equivalent length = Equivalent length of the main pipe X Correction factor + Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
8HP	1	0,5	1	0,5

5. Example



Overall equivalent length
- Cooling mode = 80 m x 0,5 + 40 m = 80 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

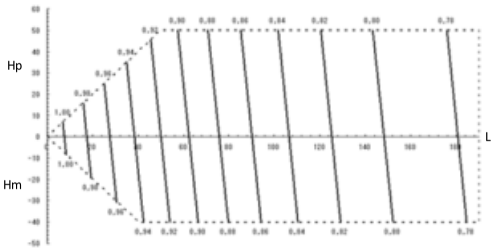
Capacity correction ratio (height difference = 0)
- Cooling mode = 0,86
- Heating mode = 1,0

3D097523

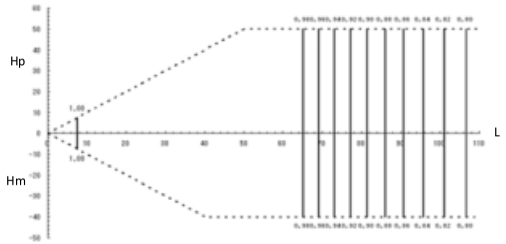
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ10T

Correction ratio for cooling capacity



Correction ratio for heating capacity



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. X Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. X Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
10HP	9,5	12,7	22,2	25,4

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

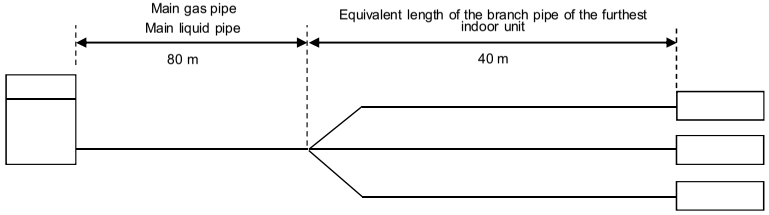
4. Overall equivalent length

Overall equivalent length = Equivalent length of the main pipe X Correction factor + Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
10HP	1	0,5	1	0,5

5. Example



Overall equivalent length
- Cooling mode = 80 m x 0,5 + 40 m = 80 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

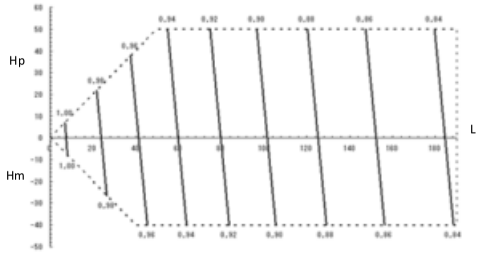
Capacity correction ratio (height difference = 0)
- Cooling mode = 0,87
- Heating mode = 0,90

3D097523

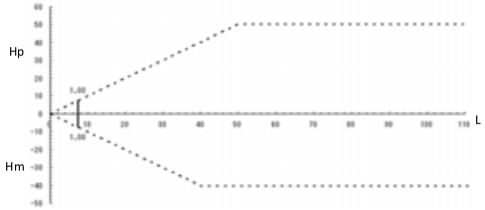
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ12T
RXYTQ14T
RXYTQ24T
RXYTQ36T

Correction ratio for cooling capacity



Correction ratio for heating capacity



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. X Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. X Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
12HP	12,7	15,9	28,6	28,6
14HP	12,7	15,9	28,6	28,6
24HP	15,9	19,1	34,9	34,9
36HP	19,1	22,2	41,3	41,3

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

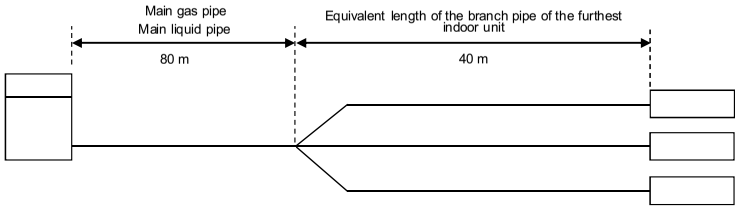
4. Overall equivalent length

Overall equivalent length = Equivalent length of the main pipe X Correction factor + Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
12/14/24/36HP	1	/	1	0,5

5. Example



Overall equivalent length
- Cooling mode = 80 m x 1,0 + 40 m = 120 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

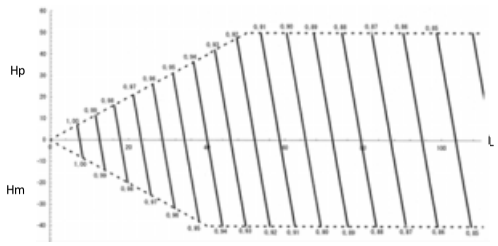
Capacity correction ratio (height difference = 0)
- Cooling mode = 0,89
- Heating mode = 1,0

3D097523

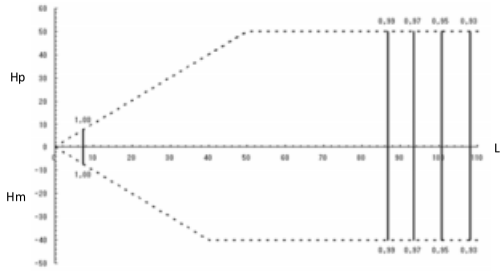
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ16T

Correction ratio for cooling capacity



Correction ratio for heating capacity



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. X Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. X Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
16HP	12,7	15,9	28,6	31,8

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

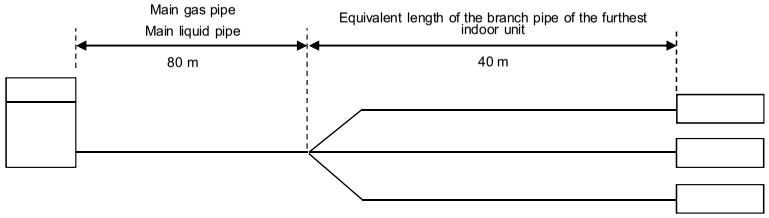
4. Overall equivalent length

Overall equivalent length = Equivalent length of the main pipe X Correction factor + Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
16HP	1	0,5	1	0,5

5. Example



Overall equivalent length
- Cooling mode = 80 m x 0,5 + 40 m = 80 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

Capacity correction ratio (height difference = 0)
- Cooling mode = 0,88
- Heating mode = 0,99

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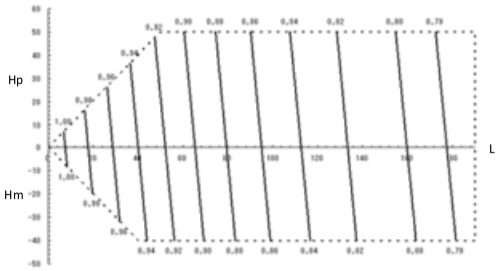
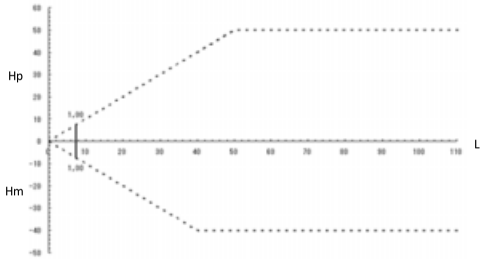
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ18T
RXYTQ26-30T
RXYTQ38-44T

Correction ratio for cooling capacity



Correction ratio for heating capacity



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. X Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. X Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
18HP	15,9	19,1	28,6	31,8
26-30HP	19,1	22,2	34,9	38,1
38-44HP	19,1	22,2	41,3	41,3

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

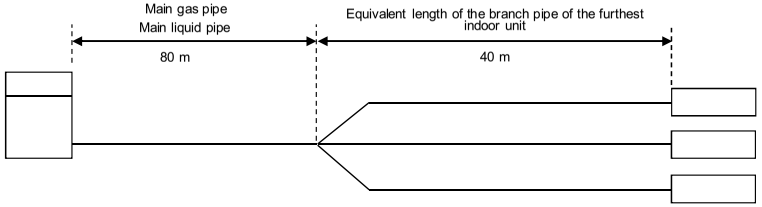
4. Overall equivalent length

Overall equivalent length = Equivalent length of the main pipe X Correction factor + Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
18/26-30/38-44HP	1	0,5	1	0,5

5. Example ·RXYTQ38-44T·



Overall equivalent length
- Cooling mode = 80 m x 1,0 + 40 m = 120 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

Capacity correction ratio (height difference = 0)
- Cooling mode = 0,83
- Heating mode = 1,0

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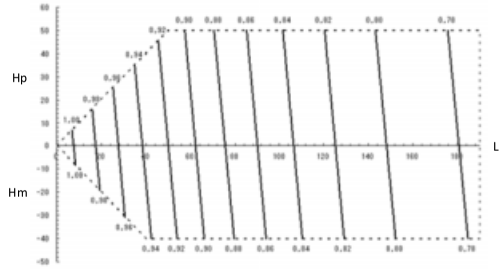
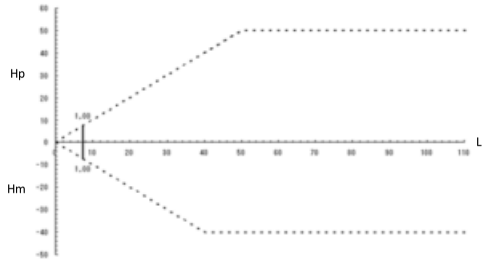
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ20T
RXYTQ32T
RXYTQ34T

Correction ratio for cooling capacity



Correction ratio for heating capacity



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. X Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. X Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
20HP	15,9	19,1	28,6	31,8
32/34HP	19,1	22,2	34,9	38,1

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

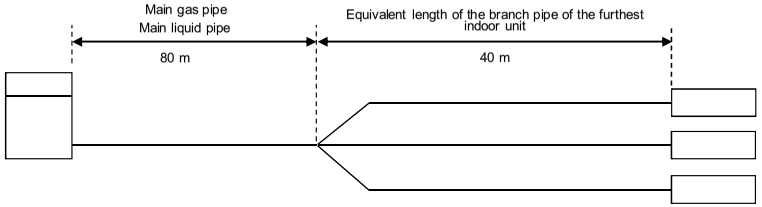
4. Overall equivalent length

Overall equivalent length = Equivalent length of the main pipe X Correction factor + Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
20/32/34HP	1	0,5	1	0,5

5. Example ·RXYTQ38-44T·



Overall equivalent length
- Cooling mode = 80 m x 0,5 + 40 m = 80 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

Capacity correction ratio (height difference = 0)
- Cooling mode = 0,88
- Heating mode = 1,0

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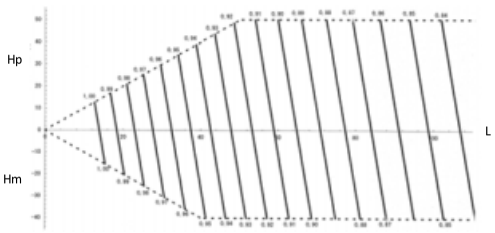
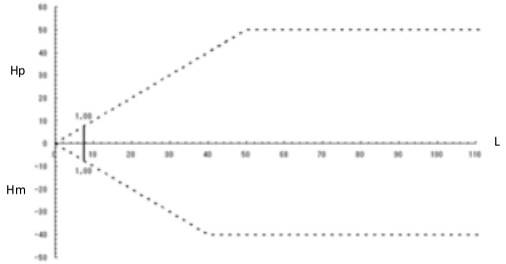
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ22T

Correction ratio for cooling capacity



Correction ratio for heating capacity



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. X Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. X Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
22HP	15,9	19,1	28,6	31,8

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

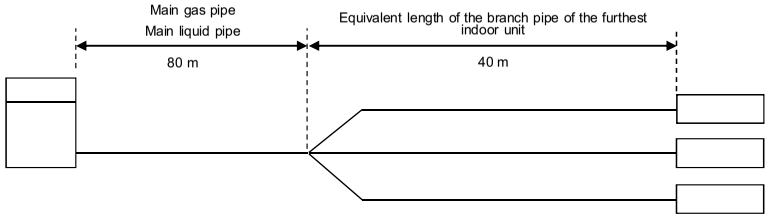
4. Overall equivalent length

Overall equivalent length = Equivalent length of the main pipe X Correction factor + Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
22HP	1	0,5	1	0,5

5. Example



Overall equivalent length
- Cooling mode = 80 m x 0,5 + 40 m = 80 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

Capacity correction ratio (height difference = 0)
- Cooling mode = 0,88
- Heating mode = 1,0

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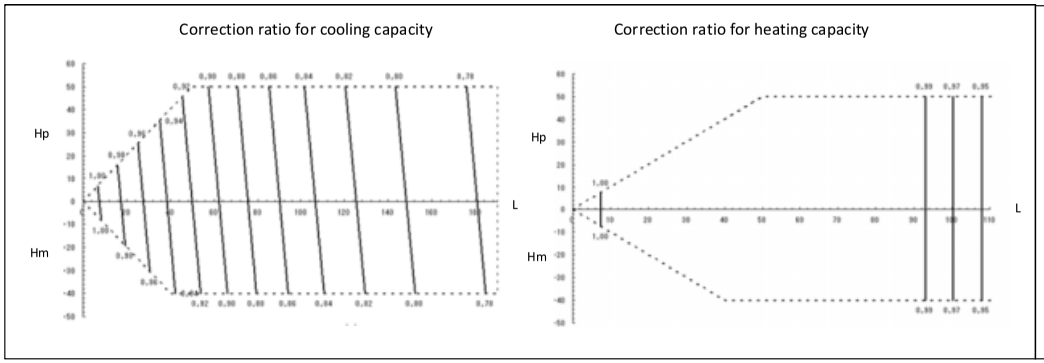
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ46T



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units	=	Capacity of outdoor units from capacity table at 100% connection ratio.	X	Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units	=	Capacity of outdoor units from capacity table at installed connection ratio.	X	Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
46HP	19,1	22,2	41,3	41,3

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

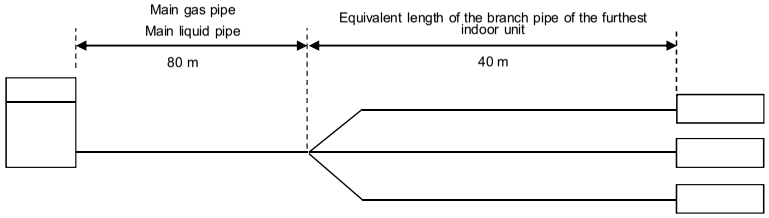
4. Overall equivalent length

Overall equivalent length	=	Equivalent length of the main pipe	X	Correction factor	+	Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
46HP	1	/	1	0,5

5. Example



Overall equivalent length
- Cooling mode = 80 m x 1,0 + 40 m = 120 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

Capacity correction ratio (height difference = 0)
- Cooling mode = 0,83
- Heating mode = 1,0

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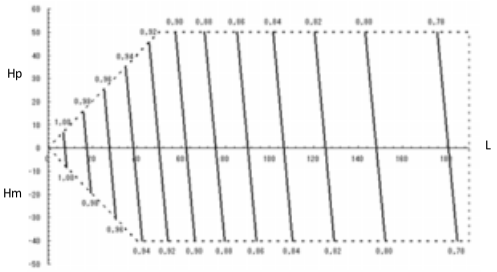
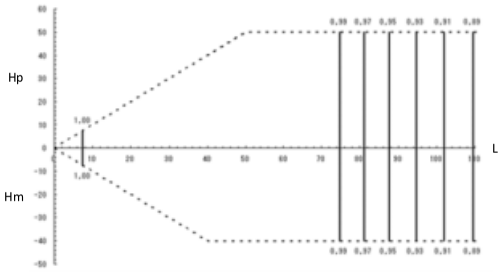
5 Capacity tables
5 - 4 Capacity Correction Factor

RXYTQ48T

Correction ratio for cooling capacity



Correction ratio for heating capacity



Legend

Hp: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned higher than the indoor units.

Hm: Maximum level difference (m) between outdoor and indoor units when the outdoor unit is positioned lower than the indoor units.

L: Equivalent piping length [m]

Notes

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown it the above figures.

2. Method of calculating the capacity of the outdoor units.
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

Indoor connection ratio ≤ 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. X Correction ratio of piping to furthest indoor unit

Indoor connection ratio > 100%.

Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. X Correction ratio of piping to furthest indoor unit

3. Main liquid and gas pipe size increase

Model	Standard liquid side Ø	Increased liquid side Ø	Standard gas side Ø	Increased gas side Ø
48HP	19,1	22,2	41,3	41,3

For the allowed system setups and the rules for when to increase the main liquid and gas piping diameter, refer to the installation manual.

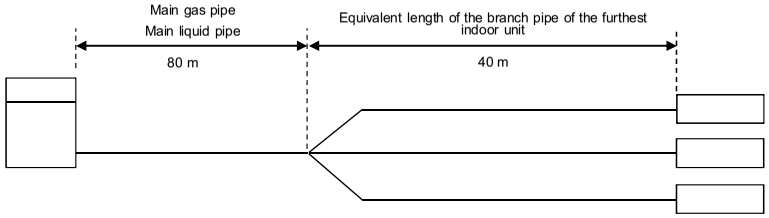
4. Overall equivalent length

Overall equivalent length = Equivalent length of the main pipe X Correction factor + Equivalent length of the branch pipes

Choose the correction factor from the following table.

Model	Correction ratio for cooling capacity		Correction ratio for heating capacity	
	Standard size	Size increase	Standard size	Size increase
48HP	1	/	1	0,5

5. Example



Overall equivalent length
- Cooling mode = 80 m x 1,0 + 40 m = 120 m
- Heating mode = 80 m x 0,5 + 40 m = 80 m

Capacity correction ratio (height difference = 0)
- Cooling mode = 0,83
- Heating mode = 0,97

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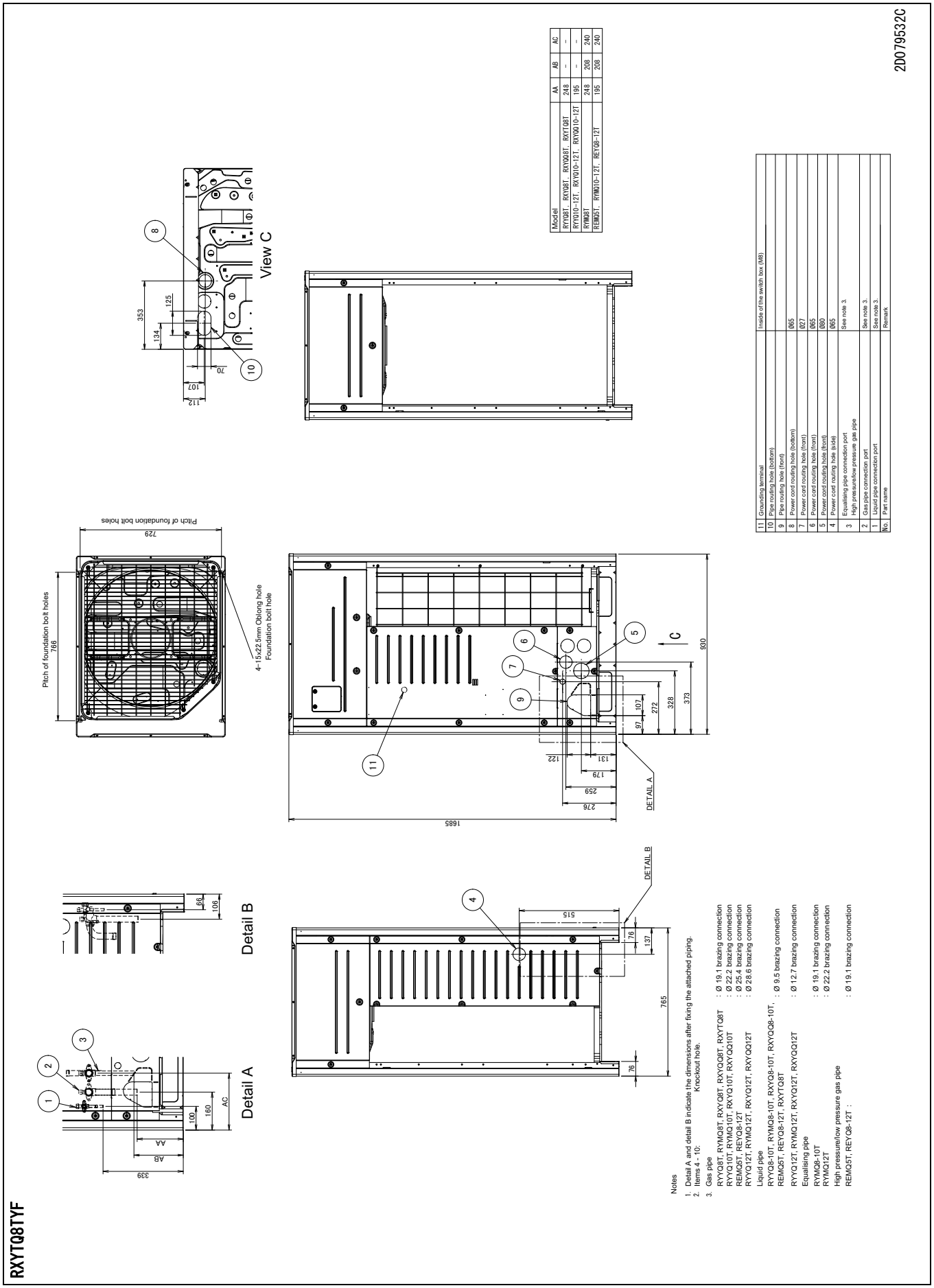
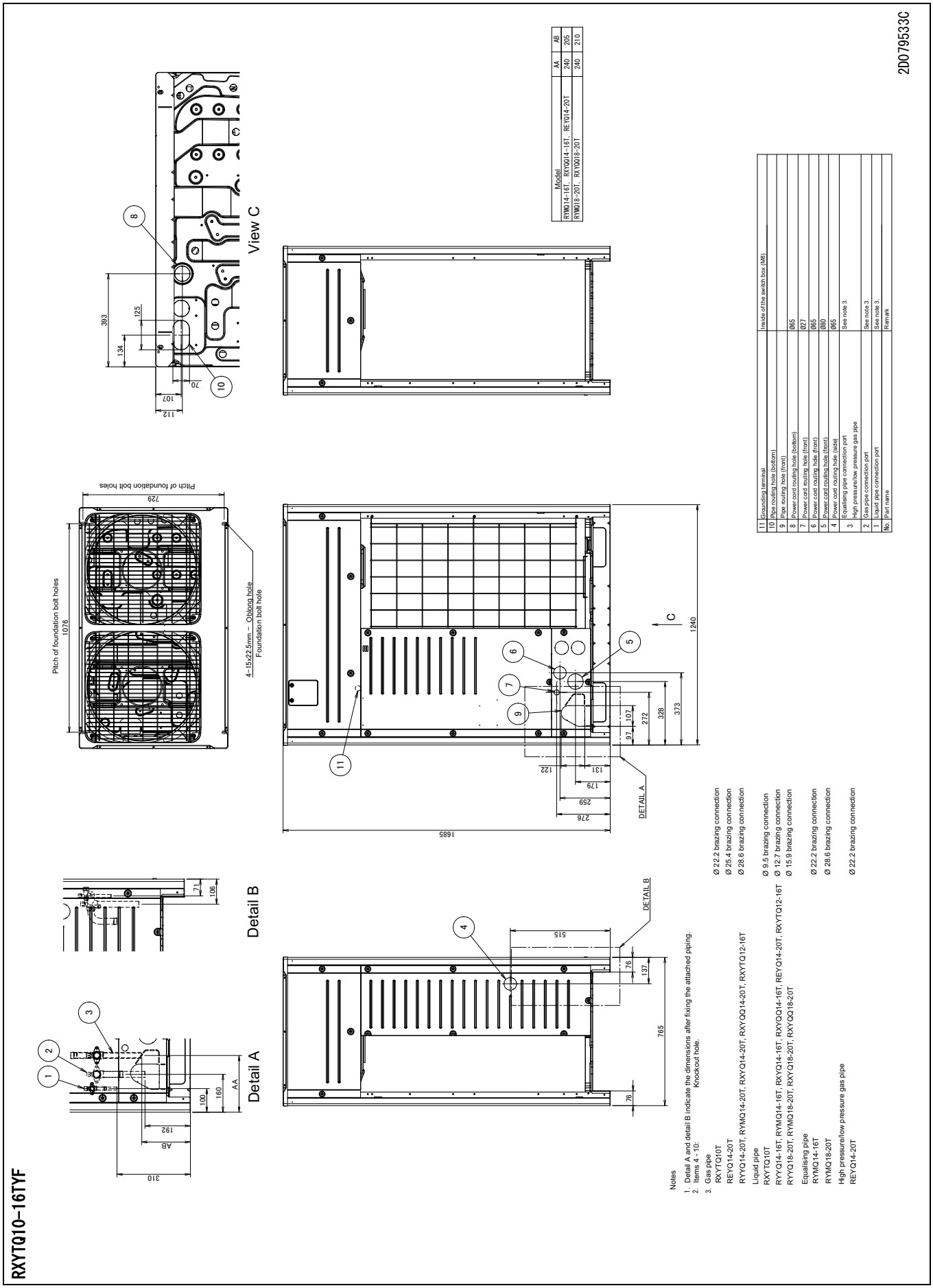
6 Dimensional drawings

6 - 1 Dimensional Drawings



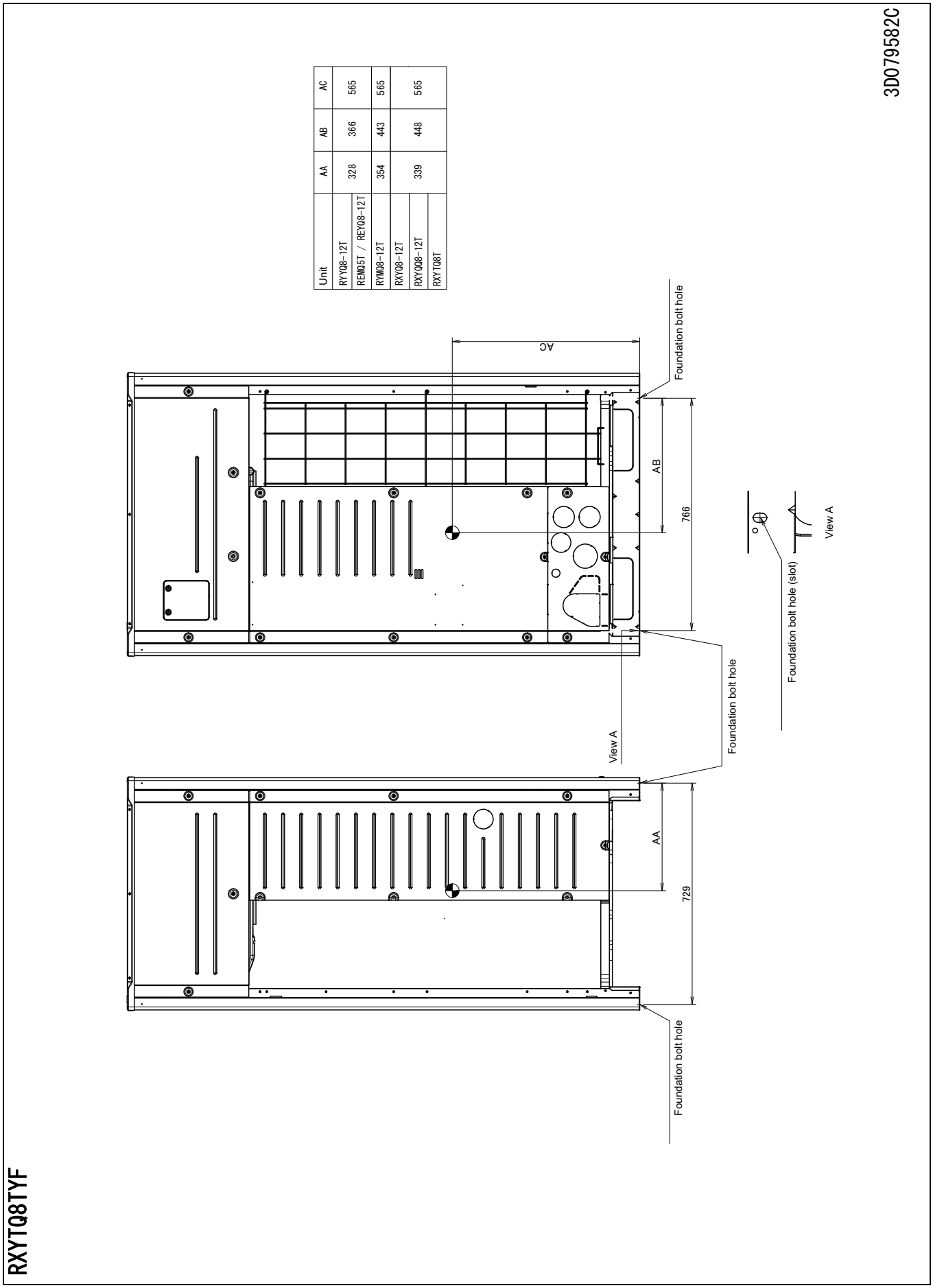
6 Dimensional drawings

6 - 1 Dimensional Drawings



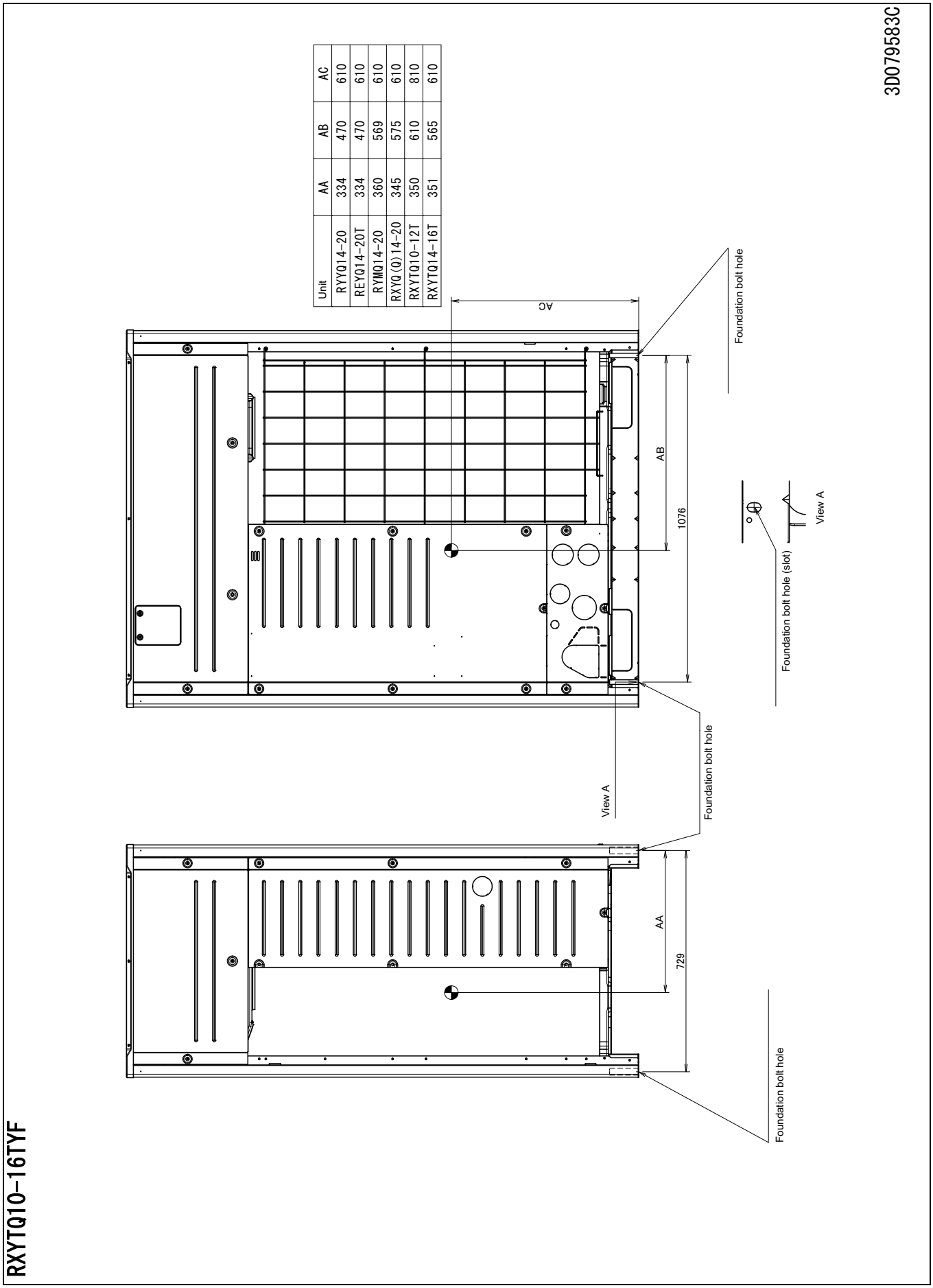
7 Centre of gravity

7 - 1 Centre of Gravity



7 Centre of gravity

7 - 1 Centre of Gravity

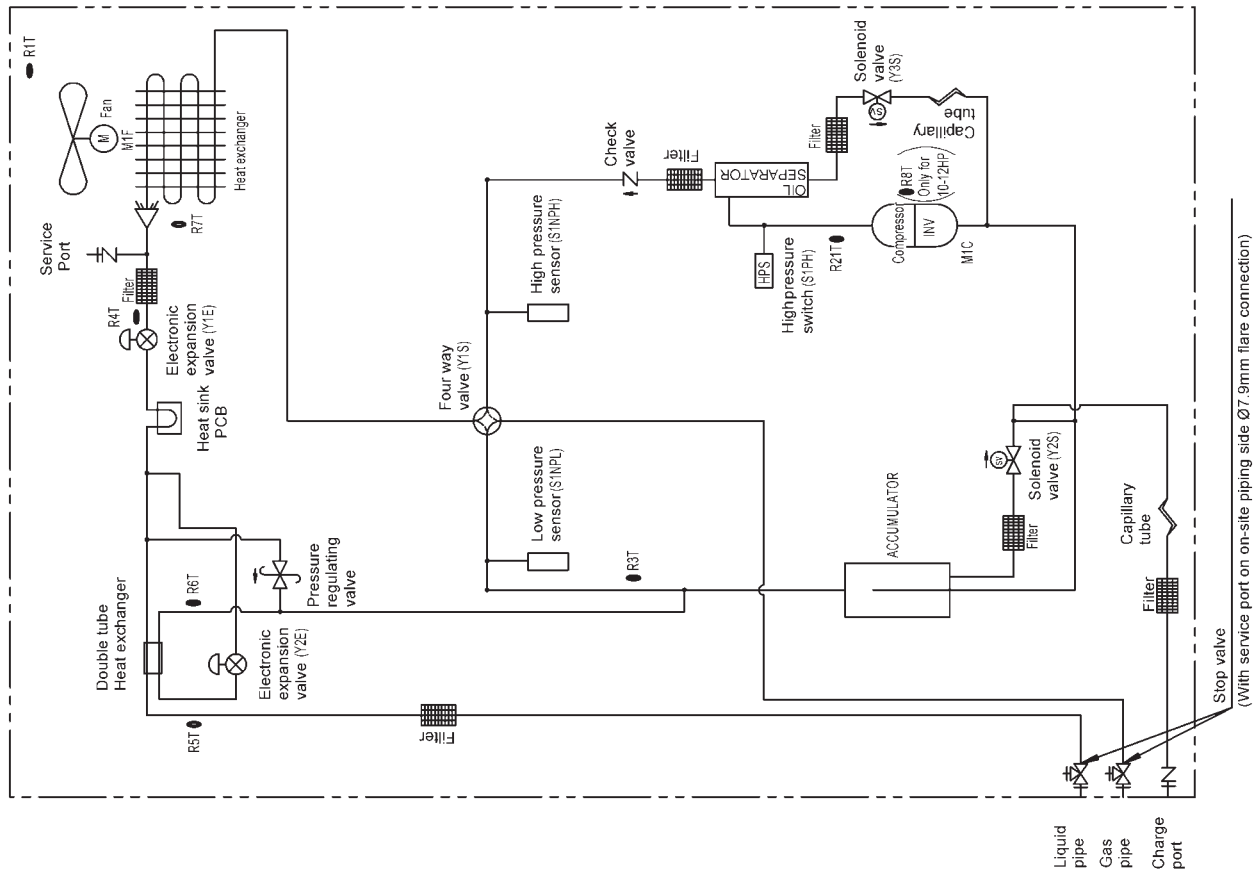


Unit	AA	AB	AC
RYYQ14-20	334	470	610
REYQ14-20T	334	470	610
RYMQ14-20	360	569	610
RXYQ(Q)14-20	345	575	610
RXYTQ10-12T	350	610	810
RXYTQ14-16T	351	565	610

8 Piping diagrams

8 - 1 Piping Diagrams

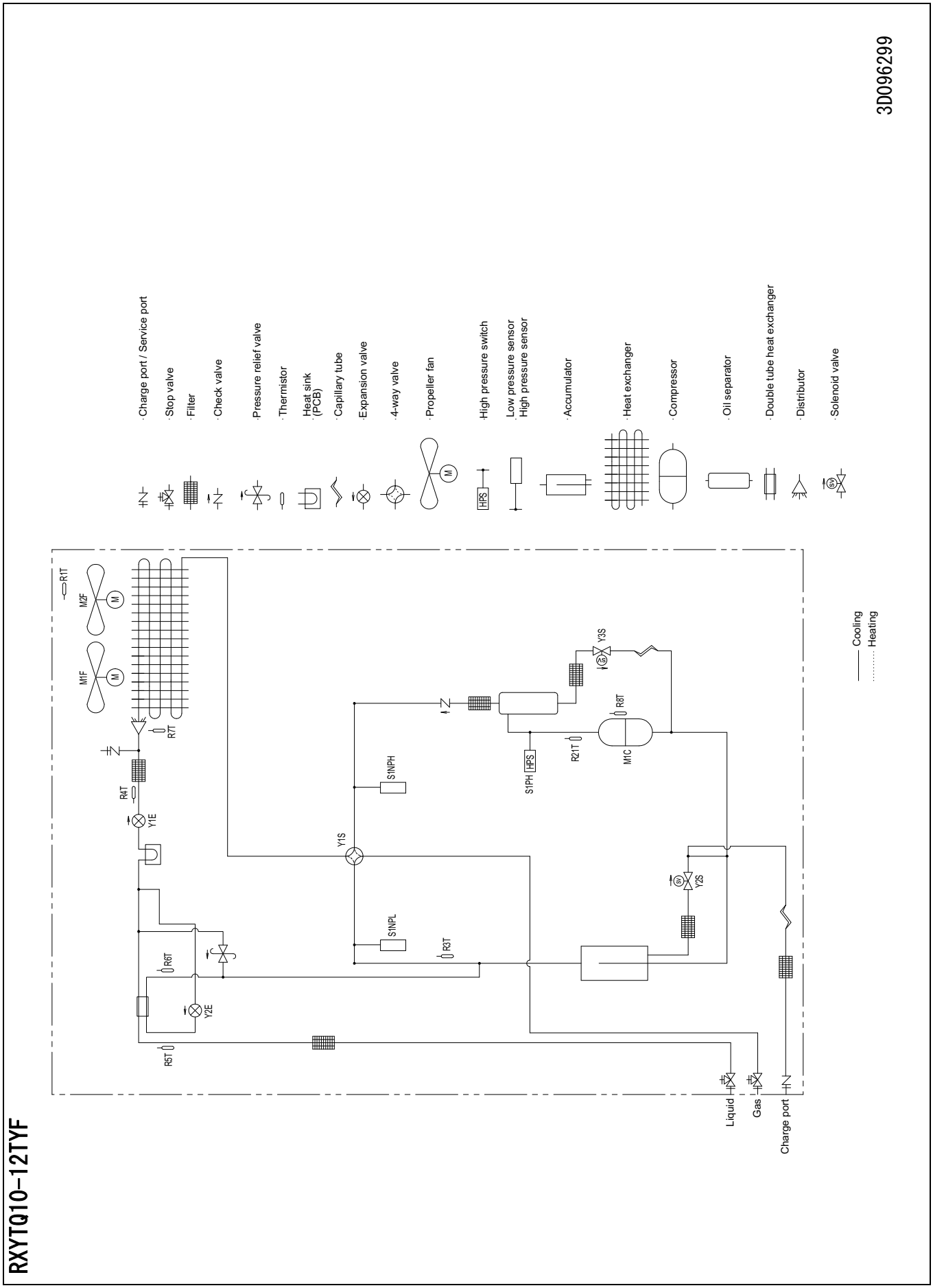
3D081913



RXYTQ8TYF

8 Piping diagrams

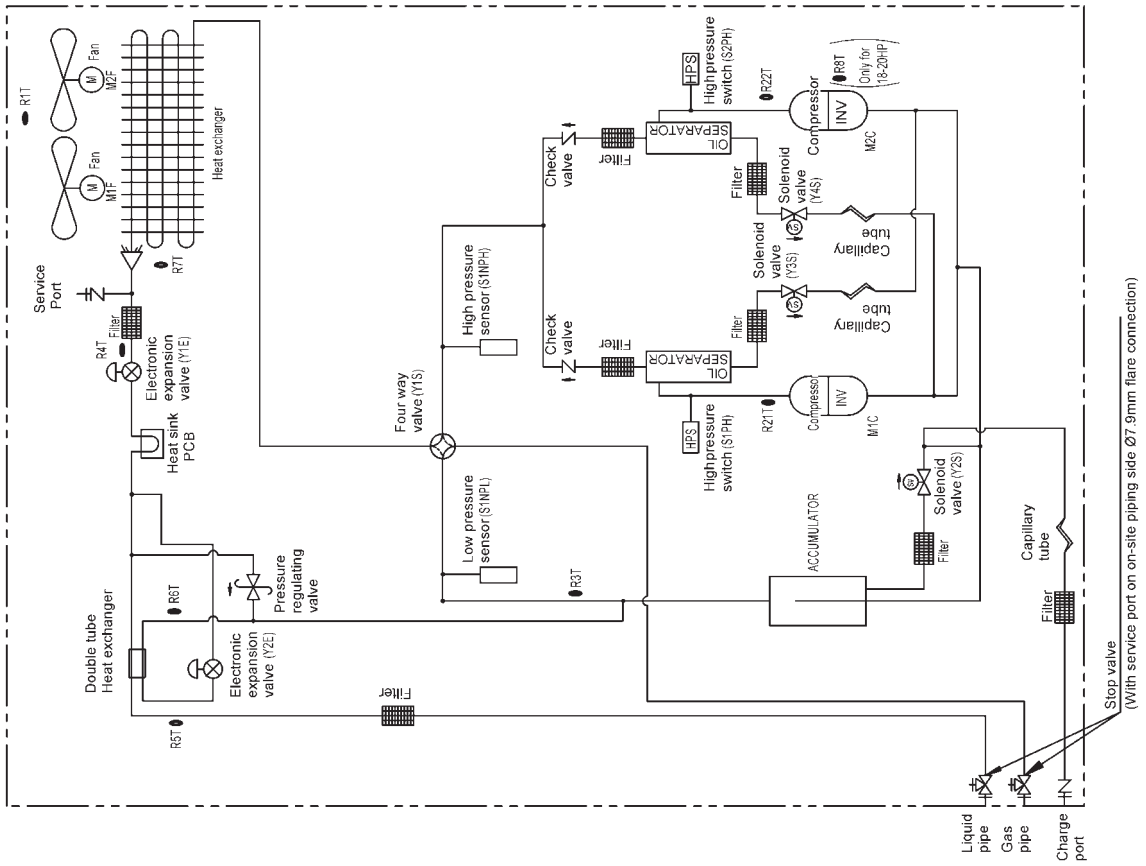
8 - 1 Piping Diagrams



8 Piping diagrams

8 - 1 Piping Diagrams

3D081914



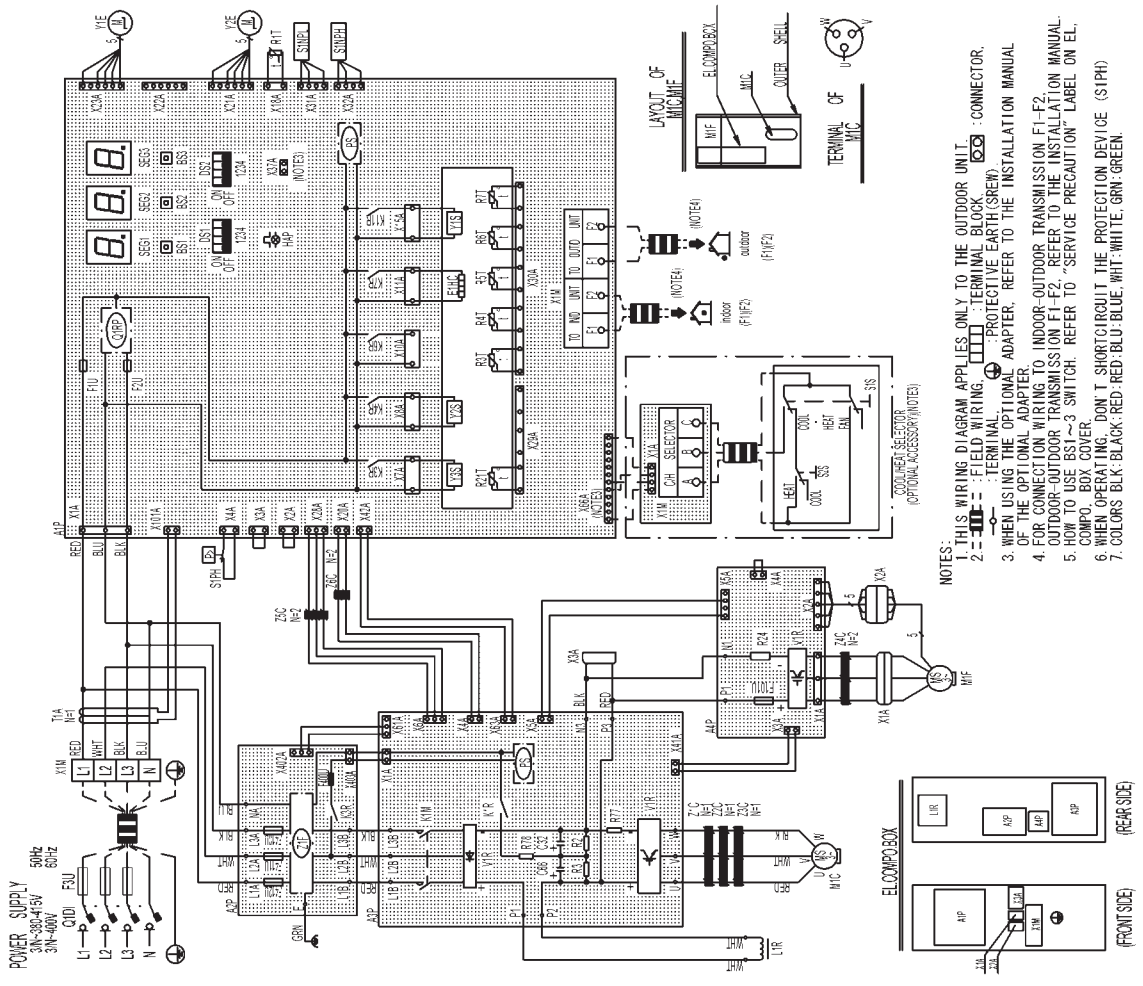
RXYTQ14-16TYF

9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase

2D095651

A1P	PRINTED CIRCUIT BOARD (MAIN)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)
A3P	PRINTED CIRCUIT BOARD (INV)
A4P	PRINTED CIRCUIT BOARD (FAN)
BST~3	PUSH BUTTON SWITCH(A1P) (MODE, SET, RETURN)
C32, C66	CAPACITOR(A3P)
DS1, DS2	DIP SWITCH(A1P)
E1HC	CRANKCASE HEATER
F1U, F2U	FUSE(T, 3, 15A, 250V) (A1P)
F3U	FIELD FUSE
F101U	FUSE(A4P)
F400U	FUSE(A2P)
F410U~F412U	FUSE(A2P)
HAP	PILOTLAMP(A1P) (SERVICE MONITOR-GREEN)
K1M	MAGNETIC RELAY(A3P)
K1R	MAGNETIC RELAY(A3P)
K3R	MAGNETIC RELAY(A2P)
K3R	MAGNETIC RELAY(Y3S) (A1P)
K4R	MAGNETIC RELAY(Y2S) (A1P)
K6R	MAGNETIC RELAY(A1P)
K7R	MAGNETIC RELAY(E1HC) (A1P)
K11R	MAGNETIC RELAY(Y1S) (A1P)
L1R	REACTOR
M1C	MOTOR (COMPRESSOR)
M1F	MOTOR (FAN)
PS	SWITCHING POWER SUPPLY(A1P,A3P)
Q1DI	FIELD EARTH LEAKAGE BREAKER
Q1RP	PHASE REVERSAL DETECT CIRCUIT(A1P)
R1T	THERMISTOR(AIR)(A1P)
R21T	THERMISTOR(M1C DISCHARGE)
R3T	THERMISTOR(ACCUMULATOR)
R4T	THERMISTOR (HEAT EXC, LIQ, PIPE)
R5T	THERMISTOR (SUBCOOL LIQ, PIPE)
R6T	THERMISTOR (HEAT EXC, GAS PIPE)
R7T	THERMISTOR (HEAT EXC, DEICER)
R2, R3	RESISTOR(A3P)
R24	RESISTOR(CURRENT SENSOR)(A4P)
R77	RESISTOR(CURRENT SENSOR)(A3P)
R78	RESISTOR(CURRENT LIMITING)(A3P)
S1NPH	PRESSURE SENSOR (HIGH)
S1NPL	PRESSURE SENSOR (LOW)
S1PH	PRESSURE SWITCH (DISCH)
T1A	CURRENT SENSOR
SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
V1R	POWER MODULE (A3P)(A4P)
X1A, X2A	CONNECTOR(M1F)
X3A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
X1M	TERMINAL BLOCK (POWER SUPPLY)
X1M	TERMINAL BLOCK (CONTROL)(A1P)
Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
Y1S	SOLENOID VALVE (MAIN)
Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
Y3S	SOLENOID VALVE (OIL)
Z1C~Z6C	NOISE FILTER(FERRITE CORE)
Z1F	NOISE FILTER(A2P) (WITH SURGE ABSORBER)
	CONNECTOR FOR OPTIONAL ACCESSORIES
X37A	CONNECTOR (PCOWER ADAPTER)
X66A	CONNECTOR (REMOTE SWITCHING COOL/HEAT SELECTOR)

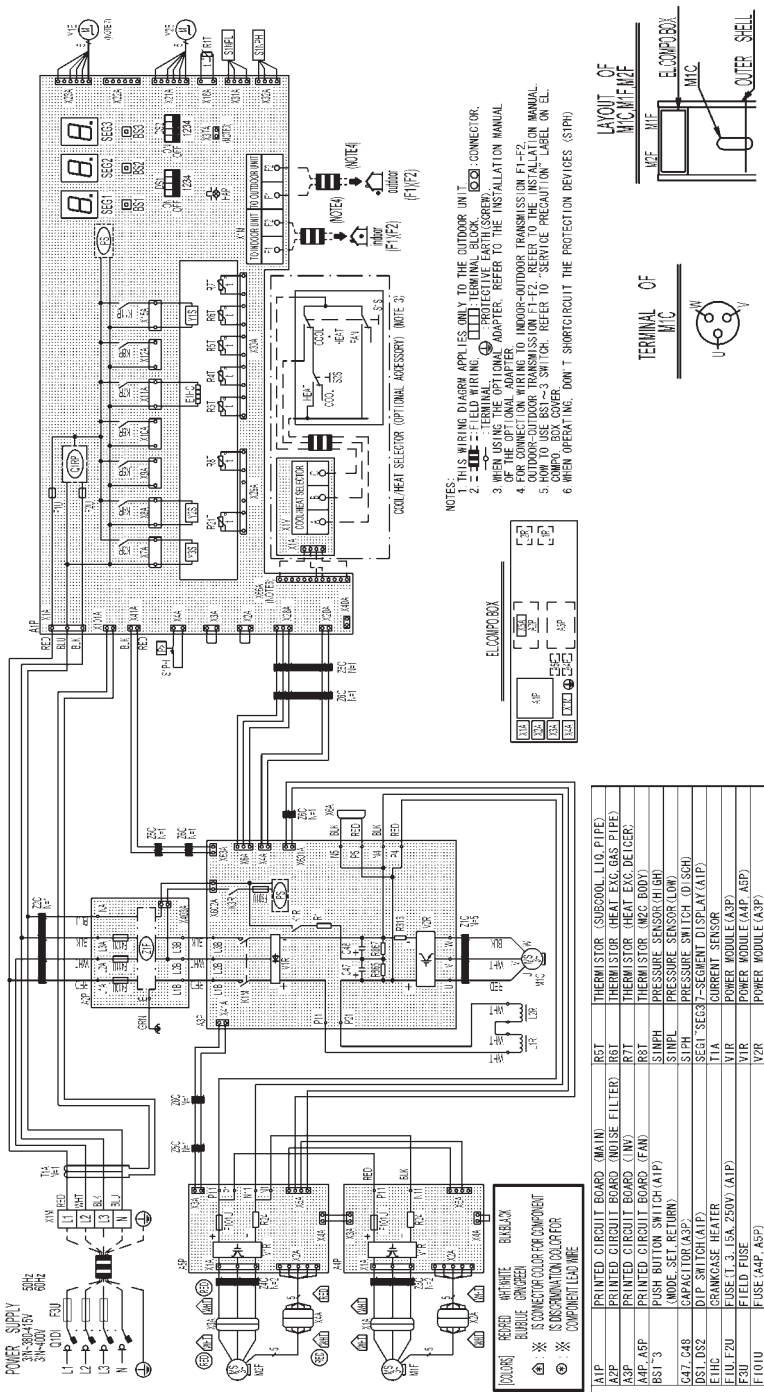


9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase

RXYTQ10-12TYF

2D095652A

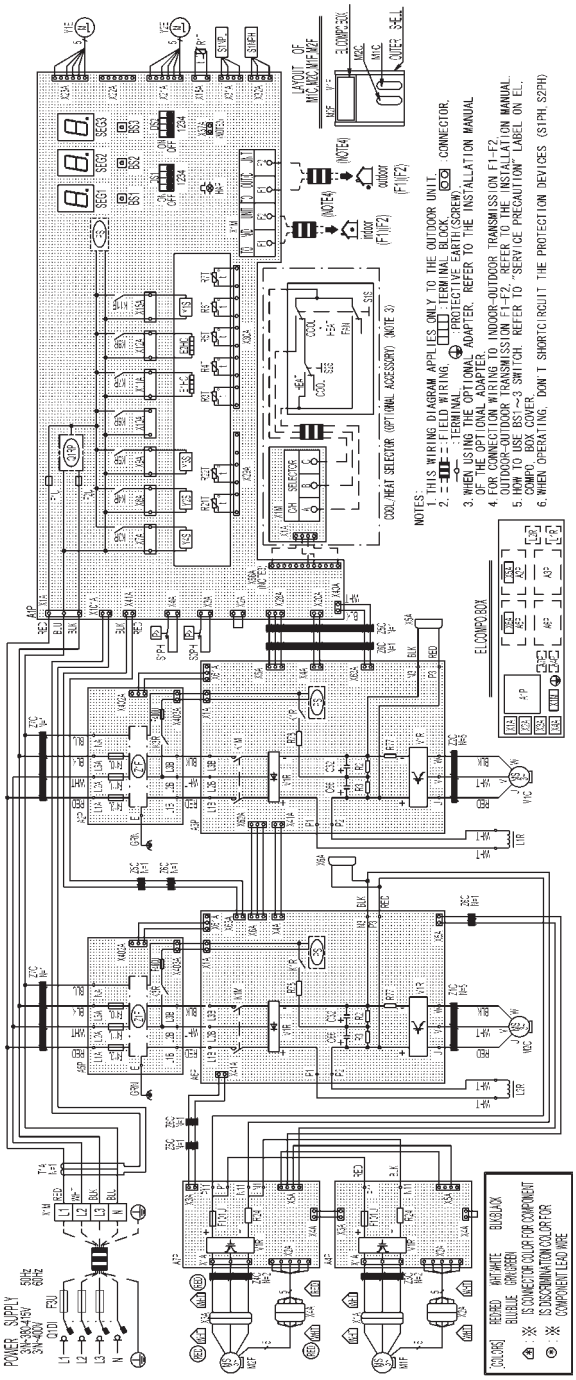


A1P	PRINTED CIRCUIT BOARD (MAIN)	R5T	THERMISTOR (SUBCOOL LIQ PIPE)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R6T	THERMISTOR (HEAT EXC GAS PIPE)
A3P	PRINTED CIRCUIT BOARD (INV)	R7T	THERMISTOR (HEAT EXC DEICER)
A4P,A5P	PRINTED CIRCUIT BOARD (FAN)	R9T	THERMISTOR (M2C BODY)
BST3	PUSH BUTTON SWITCH(A1P) (MODE SET, RETURN)	S1NPH	PRESSURE SENSOR(HIGH)
		S1NPL	PRESSURE SENSOR(LOW)
C47,C48	CAPACITOR(A3P)	S1PH	PRESSURE SWITCH (D SCH)
DS1,DS2	DIP SWITCH(A1P)	SEG1T	7-SEGMENT DISPLAY(A1P)
E1HC	CRANKCASE HEATER	T1A	CURRENT SENSOR
F1U,F2U	FUSE(T 3.15A 250V)(A1P)	V1R	POWER MODULE(A3P)
F3U	FIELD FUSE	V1R	POWER MODULE(A4P A5P)
F1U1U	FUSE(A4P,A5P)	V2R	POWER MODULE(A3P)
F4100U,F412U	FUSE(A2P)	X1A,4A	CONNECTOR(M1F,M2F)
F601U	FUSE(A3P)	X6A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
HAP	PILOTLAMP(A1P) (SERVICE MONITOR-GREEN)	X1M	TERMINAL BLOCK(POWER SUPPLY)
K1M	MAGNETIC CONTACTOR(A3P)	X1M	TERMINAL BLOCK(CONTROL)(A1P)
K1R	MAGNETIC RELAY(A3P)	Y1E	ELECTRONIC EXPANSION VALVE(MAIN)
K2R	MAGNETIC RELAY(A3P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
K3R	MAGNETIC RELAY(Y3S,A1P)	Y1S	SOLENOID VALVE(MAIN)
K4R	MAGNETIC RELAY(Y2S,A1P)	Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
K5R	MAGNETIC RELAY(A1P)		
K6R	MAGNETIC RELAY(A1P)		
K7R	MAGNETIC RELAY(EHC,A1P)	Y3S	SOLENOID VALVE(OILI)
K8R	MAGNETIC RELAY(A1P)	Z1C~Z6C	NOISE FILTER(FERRITE CORE)
K11R	MAGNETIC RELAY(Y1S,A1P)	Z1F	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
L1R~L2R	REACTOR		
M1C	MOTOR(COMPRESSOR)		
M1F,M2F	MOTOR(FAN)		
PS	SWITCHING POWER SUPPLY(A1P,A3P)		
Q1DI	FIELD EARTH LEAKAGE BREAKER		
Q1RP	PHASE REVERSAL DETECT CIRCUIT(A1P)		
R1	RESISTOR(CURRENT LIMITING)(A3P)		
R24	RESISTOR(CURRENT SENSOR)(A4P,A5P)		
R31,3	RESISTOR(CURRENT SENSOR)(A3P)		
R865,R867	RESISTOR(A3P)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R1T	THERMISTOR (AIR)(A1P)		
R2T1T	THERMISTOR (M1C DISCHARGE)	X37A	CONNECTOR(POWER ADAPTER)
R3T	THERMISTOR (ACCUMULATOR)	X66A	CONNECTOR(REMOTE SWITCHING COOL/HEAT SELECTOR)
R4T	THERMISTOR (HEAT EXC LIQ PIPE)		

9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase

RXYTQ14-16TYF



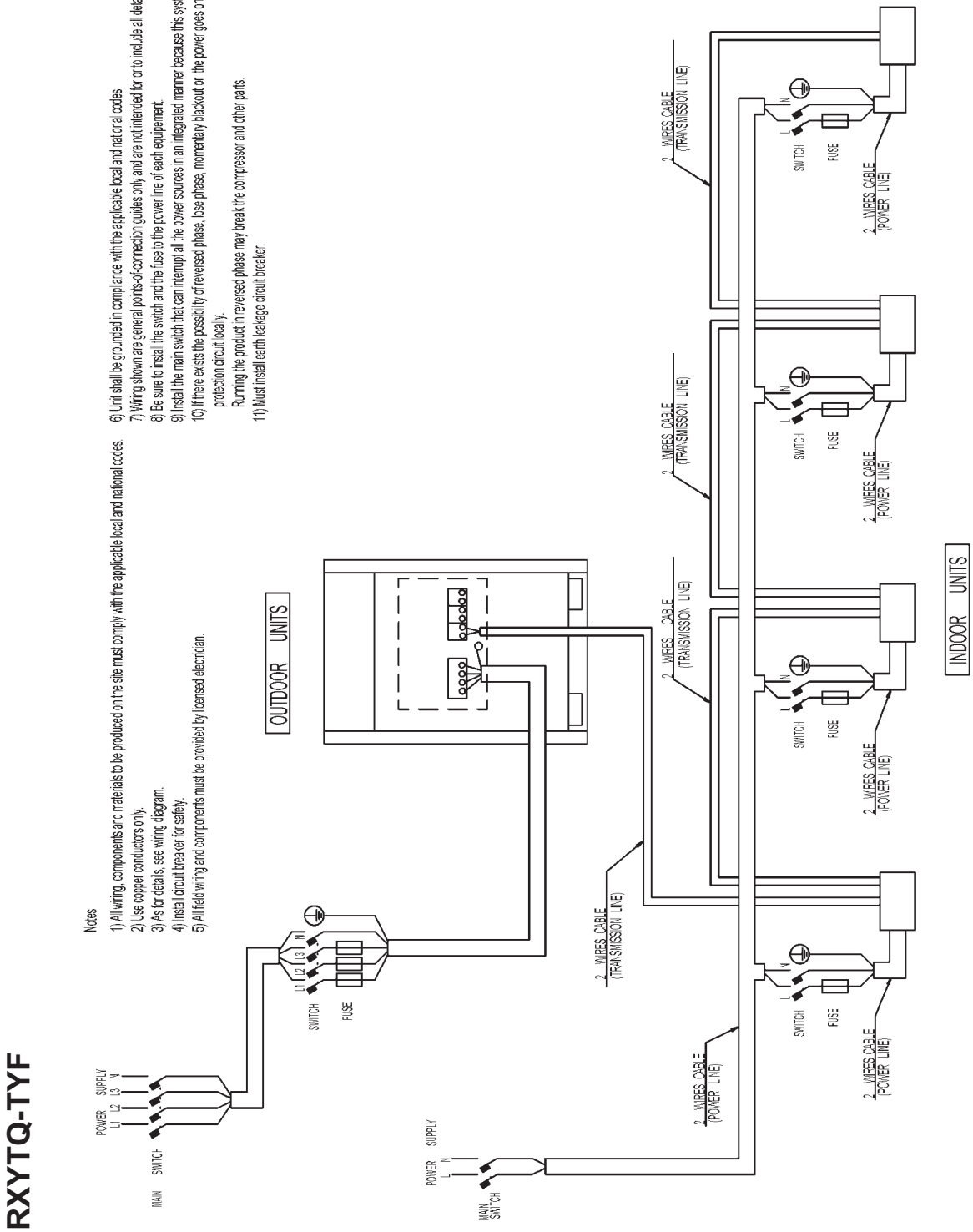
A1P	PRINTED CIRCUIT BOARD (MAIN)	R4T	THERMISTOR (HEAT EXC. LIQ. PIPE)
A2P,A5P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R5T	THERMISTOR (SUBCOOL LIQ. PIPE)
A3P,A6P	PRINTED CIRCUIT BOARD (INV)	R6T	THERMISTOR (HEAT EXC.GAS PIPE)
A4P,A7P	PRINTED CIRCUIT BOARD (FAN)	R7T	THERMISTOR (HEAT EXC.DEICER)
BS1~3	PUSH BUTTON SWITCH (A1P) (MODE,SET,RETURN)	S1NPH	PRESSURE SENSOR(HIGH)
		S1NPL	PRESSURE SENSOR(LOW)
C32,C66	CAPACITOR(A3P,A6P)	S1PH, S2PH	PRESSURE SWITCH (DISCH)
DS1,DS2	DIP SWITCH(A1P)	SEG1~SEG3	7-SEGMENT DISPLAY(A1P)
E1HC,E2HC	CRANKCASE HEATER	T1A	CURRENT SENSOR
F1U,F2U	FUSE(T, 3.15A,250V)(A1P)	V1R	POWER MODULE(A3P,A6P)
F101U	FUSE(A4P,A7P)	V1R	POWER MODULE(A4P,A7P)
F3U	FIELD FUSE	X1A~4A	CONNECTOR(M1F,M2F)
F400U	FUSE(A2P,A5P)	X5A,X6A	CONNECTOR
F410U~F412U	FUSE(A2P,A5P)		(CHECK THE RESIDUAL CHARGE)
HAP	PILOTLAMP(A1P) (SERVICE MONITOR-GREEN)	X1M	TERMINAL BLOCK(POWER SUPPLY)
		X1M	TERMINAL BLOCK(CONTROL)(A1P)
K1M	MAGNETIC CONTACTOR(A3P,A6P)	Y1E	ELECTRONIC EXPANSION VALVE(MAIN)
K1R	MAGNETIC RELAY(A3P,A6P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
K2R	MAGNETIC RELAY(A2P,A5P)		
K3R	MAGNETIC RELAY(Y4S,A1P)	Y1S	SOLENOID VALVE(MAIN)
K4R	MAGNETIC RELAY(Y2S,A1P)	Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
K5R	MAGNETIC RELAY(Y3S,A1P)	Y3S	SOLENOID VALVE(OIL1)
K6R	MAGNETIC RELAY(A1P)	Y4S	SOLENOID VALVE(OIL2)
K7R	MAGNETIC RELAY(E1HC,A1P)	Z1C~Z7C	NOISE FILTER (FERRITE CORE)
K8R	MAGNETIC RELAY(E2HC,A1P)		
K11R	MAGNETIC RELAY(Y1S,A1P)	Z1F	NOISE FILTER (A2P,A5P) (WITH SURGE ABSORBER)
L1R,L2R	REACTOR		
M1C,M2C	MOTOR(COMPRESSOR)		
M1F,M2F	MOTOR(FAN)		
PS	SWITCHING POWER SUPPLY (A1P,A3P,A6P)		
QID1	FIELD EARTH LEAKAGE BREAKER		
QIRP	PHASE REVERSAL DETECT CIRCUIT(A1P)		
R2,R3	RESISTOR(A3P,A6P)		
R24	RESISTOR(CURRENT SENSOR)(A4P,A7P)		
R77	RESISTOR(CURRENT SENSOR)(A3P,A6P)		
R78	RESISTOR(CURRENT LIMITING)(A3P,A6P)		CONNECTOR FOR OPTIONAL ACCESSORIES
R1T	THERMISTOR (AIR) (A1P)	X37A	CONNECTOR (POWER ADAPTER)
R21T,R22T	THERMISTOR (M1C, M2C DISCHARGE)	X66A	CONNECTOR (REMOTE SWITCHING COOL/HEAT SELECTOR)
R3T	THERMISTOR (ACCUMULATOR)		

2D095653

10 External connection diagrams

10 - 1 External Connection Diagrams

RXYTQ-TYF



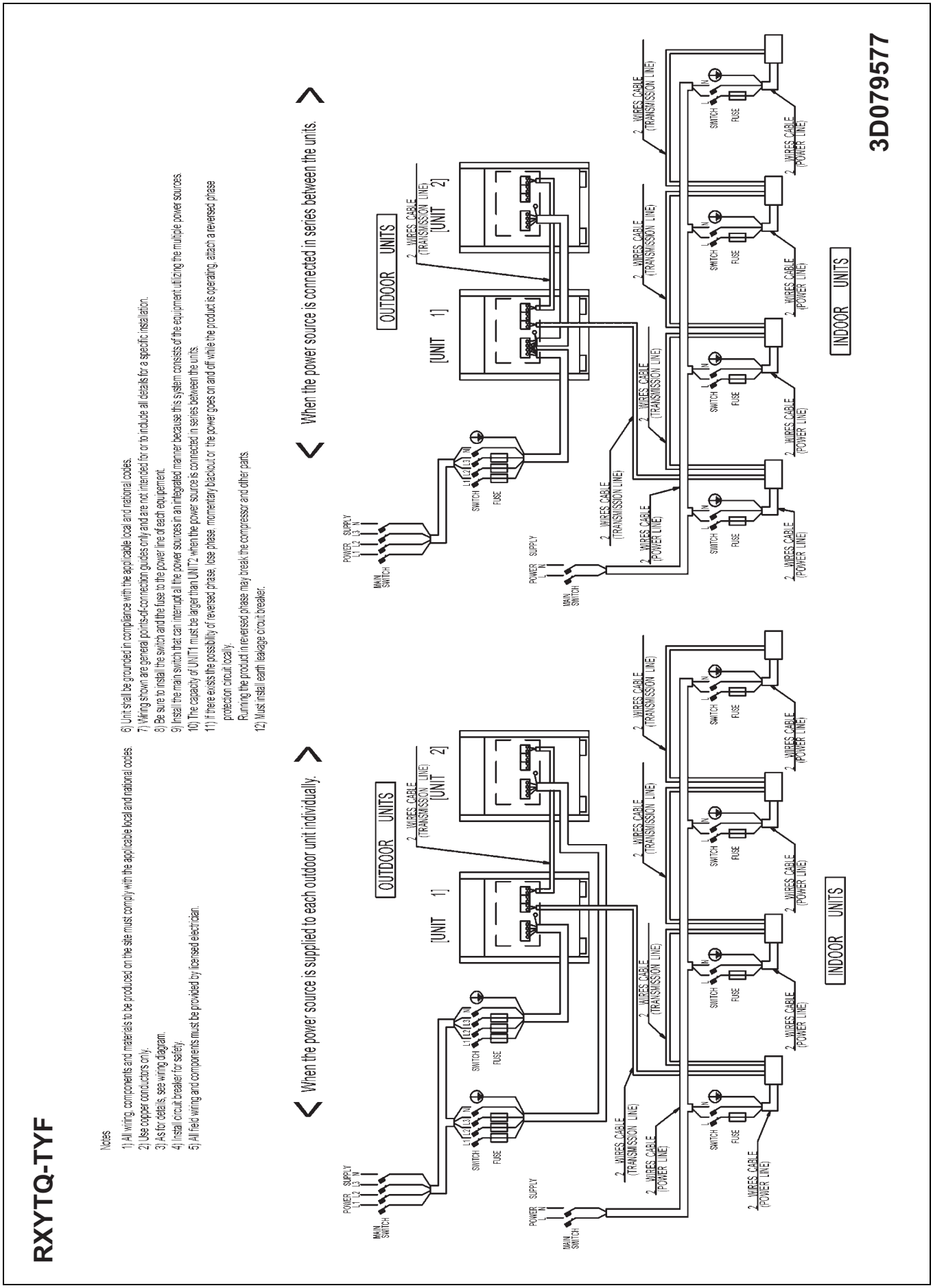
Notes

1) All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Install circuit breaker for safety.
5) All field wiring and components must be provided by licensed electrician.
6) Unit shall be grounded in compliance with the applicable local and national codes.
7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8) Be sure to install the switch and the fuse to the power line of each equipment.
9) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
10) If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
Running the product in reversed phase may break the compressor and other parts.
11) Must install earth leakage circuit breaker.

3D079576

10 External connection diagrams

10 - 1 External Connection Diagrams



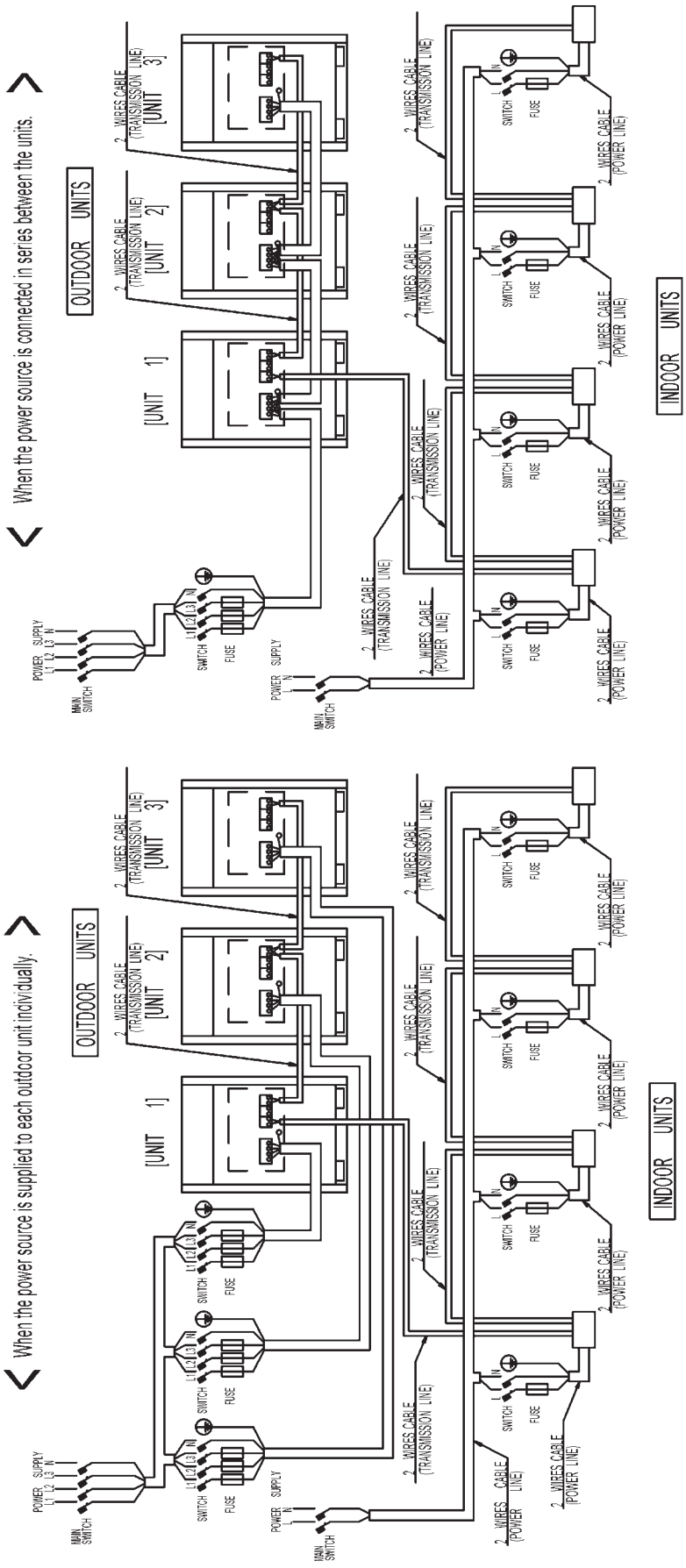
10 External connection diagrams

10 - 1 External Connection Diagrams

RXYTQ-TYF

Notes

1) All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Install circuit breaker for safety.
5) All field wiring and components must be provided by licensed electrician.
6) Unit shall be grounded in compliance with the applicable local and national codes.
7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8) Be sure to install the switch and the fuse to the power line of each equipement.
9) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
10) The capacity of UNIT1 must be larger than UNIT2 when the power source is connected in series between the units.
11) If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
Running the product in reversed phase may break the compressor and other parts.
12) Must install earth leakage circuit breaker.

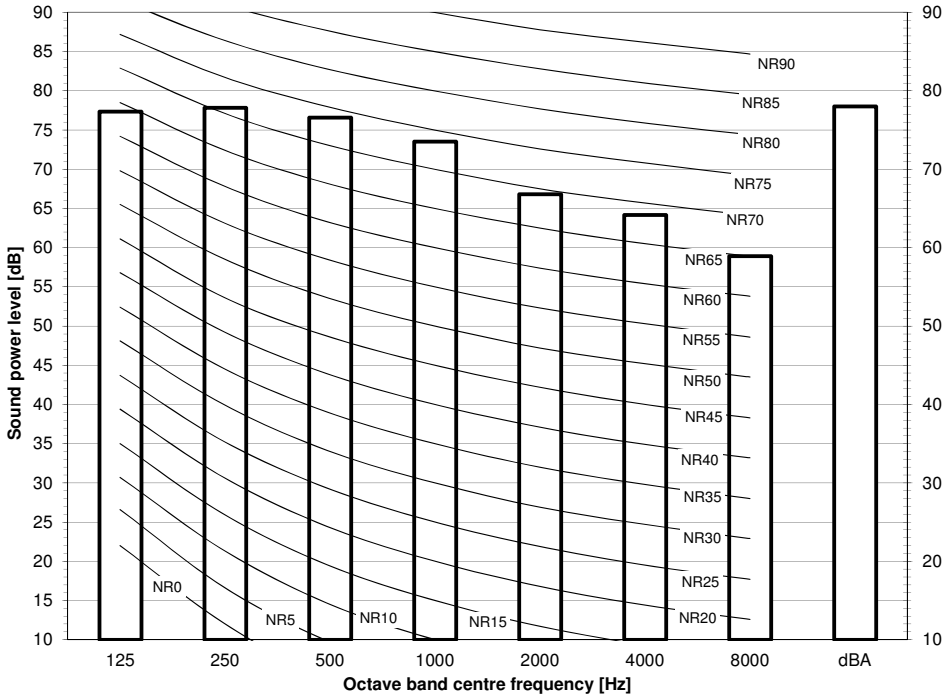


3D079578

11 Sound data

11 - 1 Sound Power Spectrum

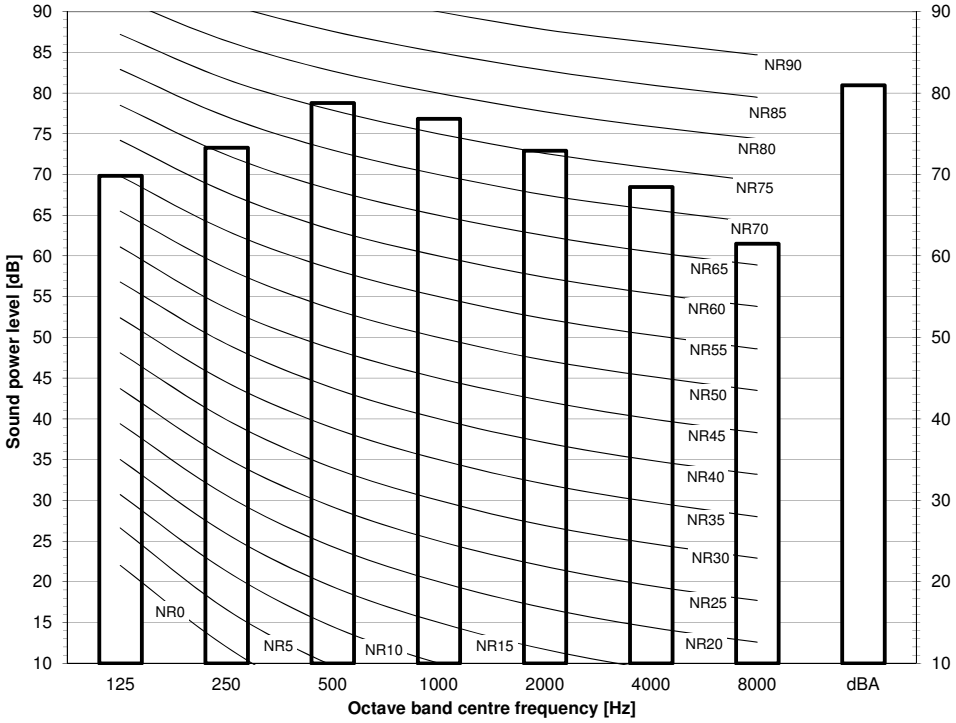
RXYTQ8TYF



Notes
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

3D079537C

RXYTQ10TYF



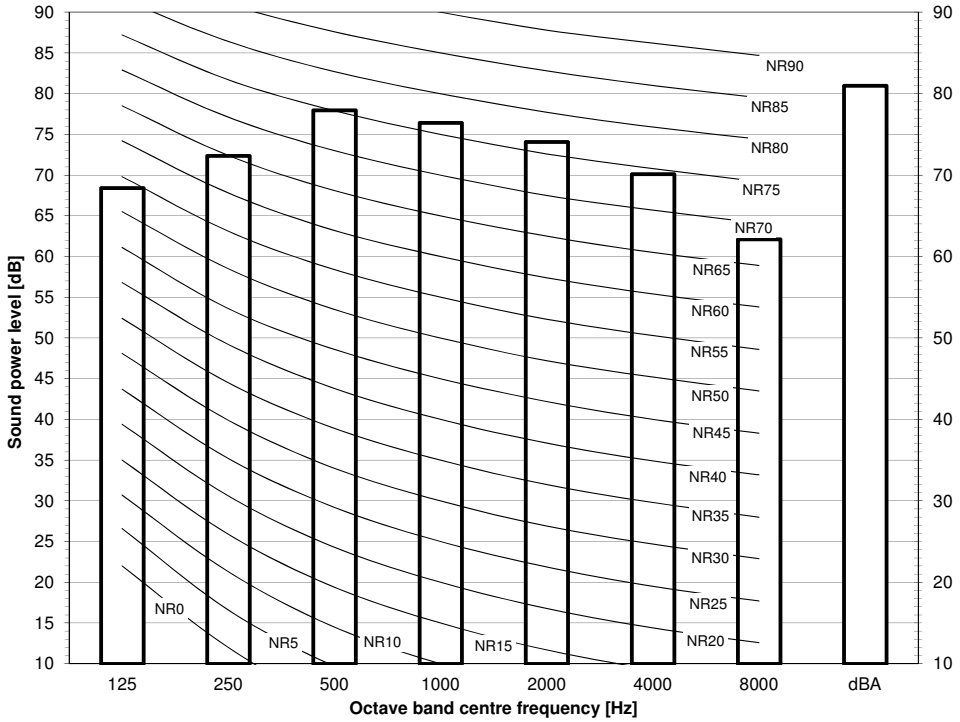
Notes
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

3D096866

11 Sound data

11 - 1 Sound Power Spectrum

RXYTQ12TYF



Notes
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

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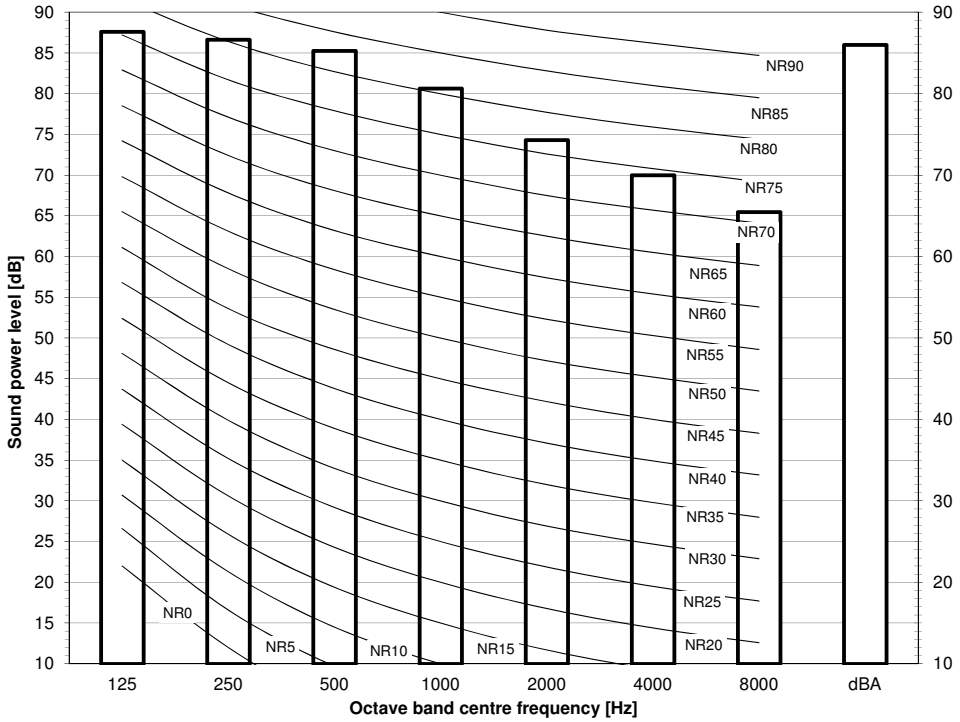
RXYTQ14-16TYF



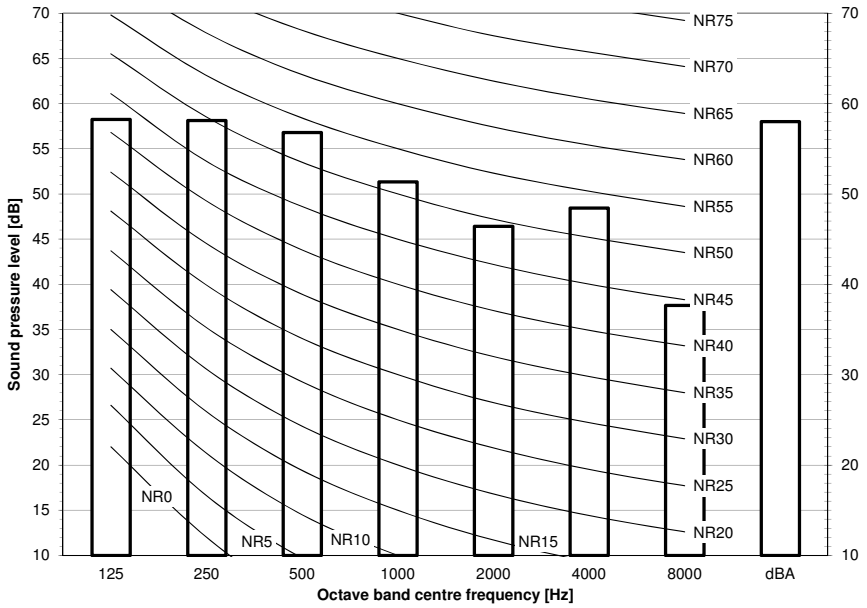
Notes
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

3D079911C

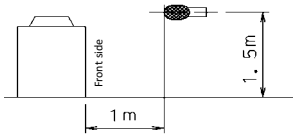
11 Sound data

11 - 2 Sound Pressure Spectrum

RXYTQ8TYF

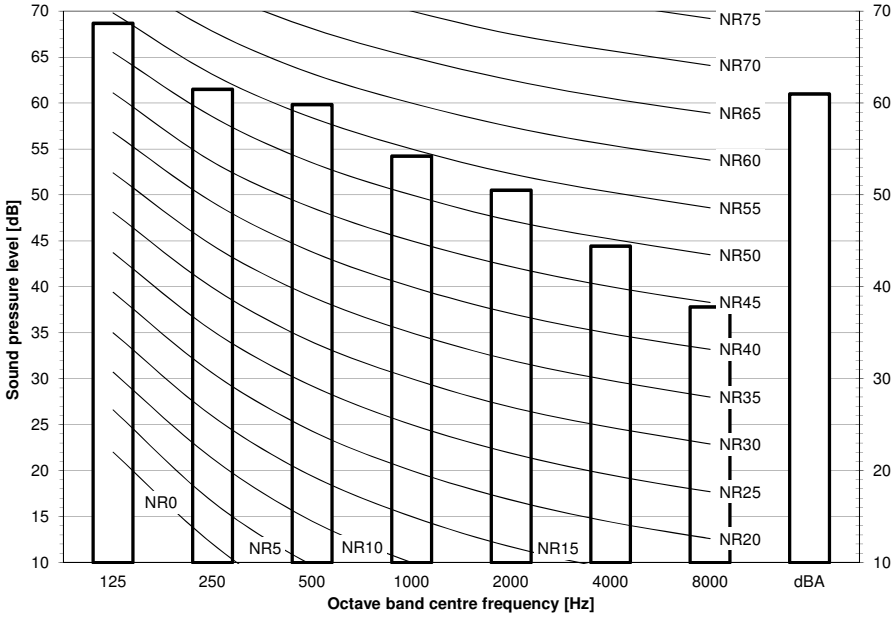


Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

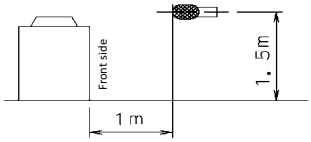


3D079536C

RXYTQ10TYF



Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa



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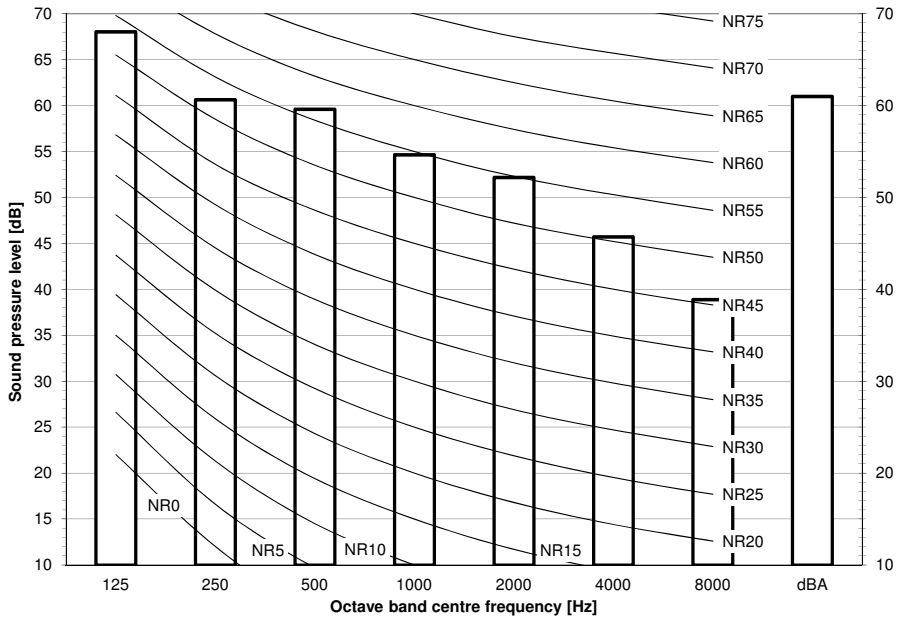
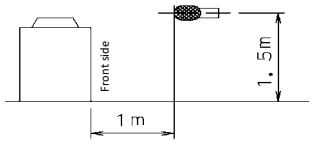
11 Sound data

11 - 2 Sound Pressure Spectrum

RXYTQ12TYF



Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa



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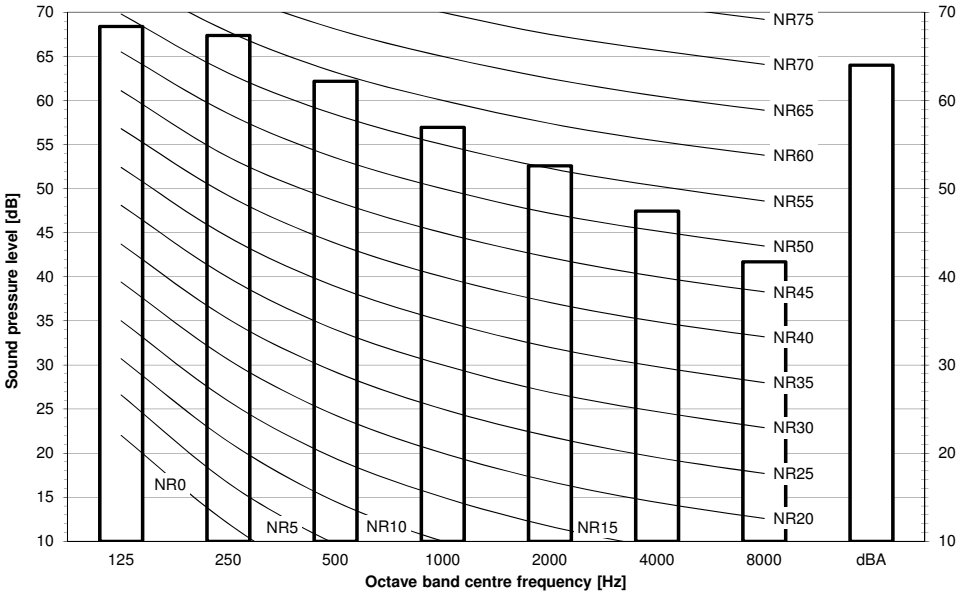
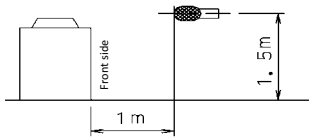
RXYTQ14-16TYF



Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

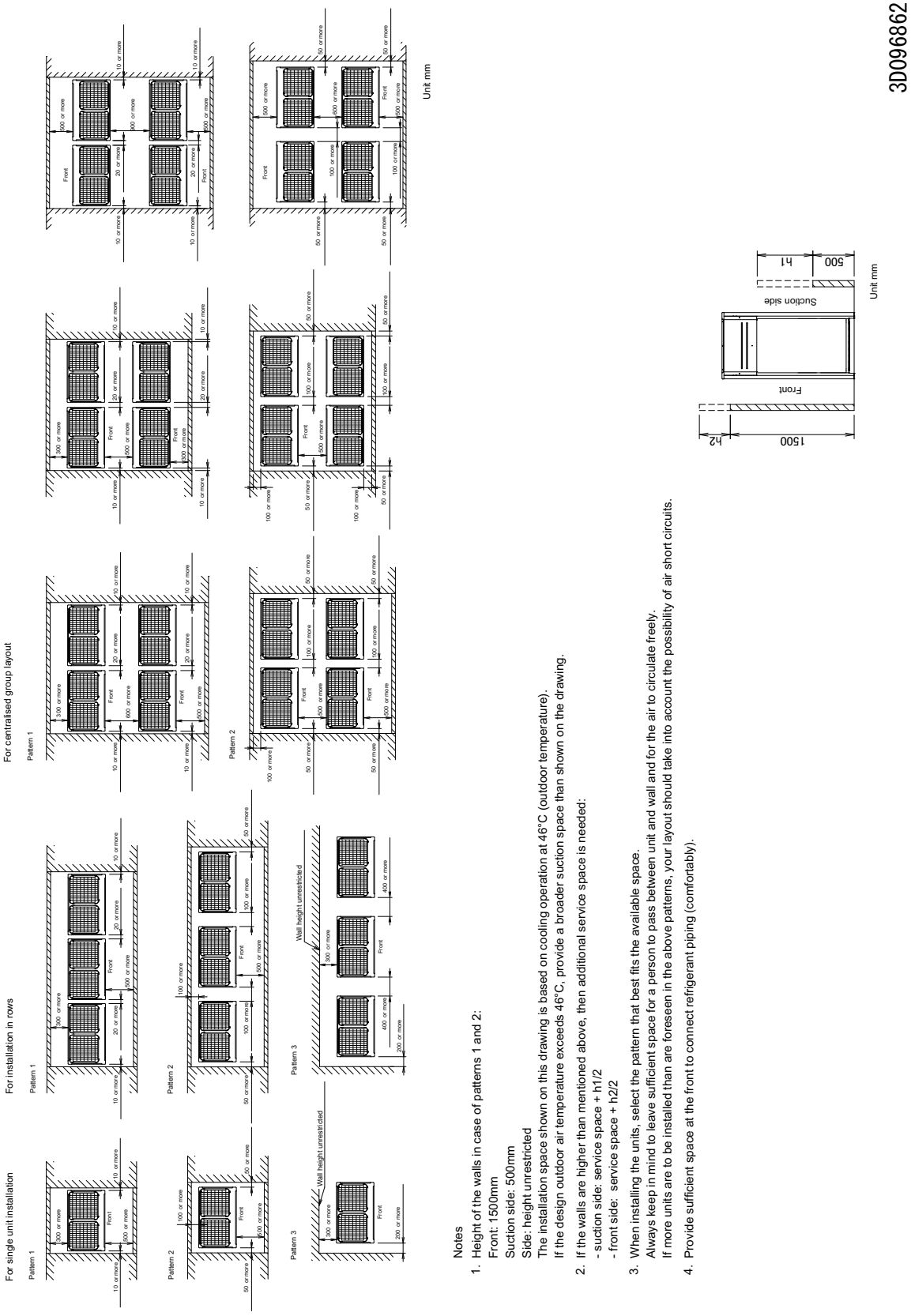


3D079905C

12 Installation

12 - 1 Installation Method

RXYTQ-TYF



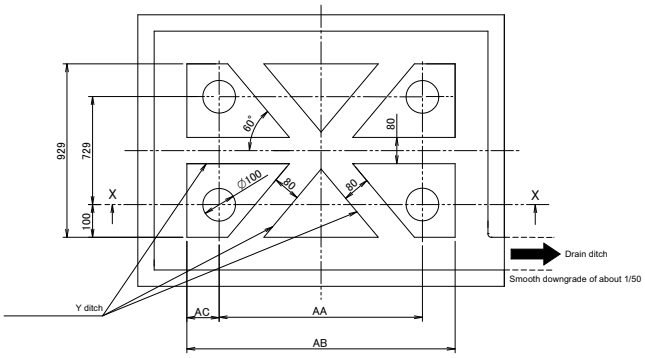
Notes

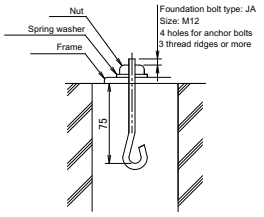
1. Height of the walls in case of patterns 1 and 2:
   Front: 1500mm
   Suction side: 500mm
   Side: height unrestricted
   The installation space shown on this drawing is based on cooling operation at 46°C (outdoor temperature).
   If the design outdoor air temperature exceeds 46°C, provide a broader suction space than shown on the drawing.
2. If the walls are higher than mentioned above, then additional service space is needed:
   - suction side: service space + h1/2
   - front side: service space + h2/2
3. When installing the units, select the pattern that best fits the available space.
   Always keep in mind to leave sufficient space for a person to pass between unit and wall and for the air to circulate freely.
   If more units are to be installed than are foreseen in the above patterns, your layout should take into account the possibility of air short circuits.
4. Provide sufficient space at the front to connect refrigerant piping (comfortably).

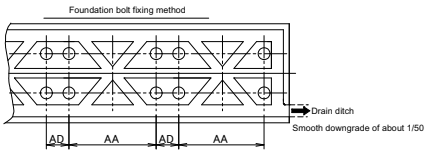
12 Installation

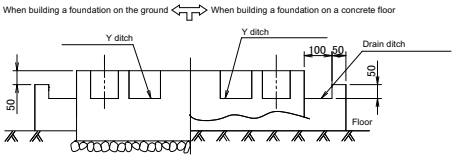
12 - 2 Fixation and Foundation of Units

RXYTQ-TYF









Cross section X - X

For multi-unit installation

Model	AA	AB	AC	AD
RYYQ8-12T RYMQ8-12T RXYQ8-12T RXYQQ8-12T REMQ5T/REYQ8-12T RXYTQ8T	766	992	113	185
RYYQ14-20T RYMQ14-20T RXYQ14-20T RXYQQ14-20T REYQ14-20T RXYTQ10-16T	1076	1076		
RXYCQ8	497	697	100	160
RXYCQ10-14	792	992		
RXYCQ16-20	1102	1302		

Notes

1. Provide a drain ditch around the foundation to drain water from the installation area.
2. The surface has to be finished with mortar. The corner edges have to be chamfered.
3. Build the foundation on a concrete floor or, if not possible, make sure the foundation surface has a rough finish.
4. Use a cement/sand/gravel ratio of 1/2/4 for the concrete, and a diameter of 10 mm for the reinforcement bars (approximately, 300mm intervals).
5. When installing the equipment on a roof, make sure to check the strength of the floor and take adequate water proofing measures.

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12 Installation

12 - 3 Refrigerant Pipe Selection

RXYTQ-TYF

Piping restrictions ·1/3·

For the reference drawing, see page ·2/3·.		Maximum piping length			Maximum height difference			Total piping length
		Longest pipe (A+[B,J]) Actual / (Equivalent)	After first branch (B,J) Actual	After first branch (for multi-outdoor) (D) Actual / (Equivalent)	Indoor-to-outdoor (H1) (2)	Indoor-to-indoor (H2)	Outdoor-to-outdoor (H3)	
Single unit		165/(190)m	40m (1)	10/(13)m	50/(40)m (2)	30m	5m	1000m
Multi-combination		135/(160)m	40m (1)	10/(13)m	50/(40)m (2)	30m	5m	500m
Air handling unit (AHU) Connection	Pair	50/(55)m (3)	-	-	40/(40)m	-	-	-
	Multi (4)	165/(190)m	40m	10/(13)m	40/(40)m	15m	5m	500m
	Mix (5)	165/(190)m	40m	10/(13)m	40/(40)m	15m	5m	500m

Notes
1. An extension to up to ·90· m is possible if all of the following conditions are met:
   a. The piping length between all indoor units and the nearest branch kit is ≤ 40m.
   b. It is necessary to increase the size of the gas and liquid piping if the pipe length between the first and the final branch kit is > 40m.
      If the increased pipe size is larger than the pipe size of the main pipe, also increase the size of the main pipe.
   c. When the piping size is increased, the piping length has to be counted as double.
      The total piping length has to be within limitations.
   d. The piping length difference between the nearest indoor unit to the outdoor unit and the farthest indoor unit to the outdoor unit is ≤ ·40·m.
2. An extension to up to ·90· m is possible without an additional option kit. Respect the following conditions:
-> If the outdoor units are positioned higher than the indoor units:
   - Size up the liquid piping
     For more information, refer to the installation manual.
   - A dedicated setting on the outdoor unit is required.
     For more information, refer to the installation manual.
-> If the outdoor units are positioned lower than the indoor units:
   - 40~60m: Minimum connection ratio: ·80%·
   - 60~65m: Minimum connection ratio: ·90%·
   - 65~80m: Minimum connection ratio: ·100%·
   - 80~90m: Minimum connection ratio: ·110%·
   +
   - Size up the liquid piping
     For more information, refer to the installation manual.
   - A dedicated setting on the outdoor unit is required.
     For more information, refer to the installation manual.
3. The allowable minimum length is ·5· m.
4. Multiple air handling units (·AHU·)(·EKEXV· + ·EKEQ· kits).
5. Mix of air handling units (·AHU·) and ·VRV DX· indoor units.

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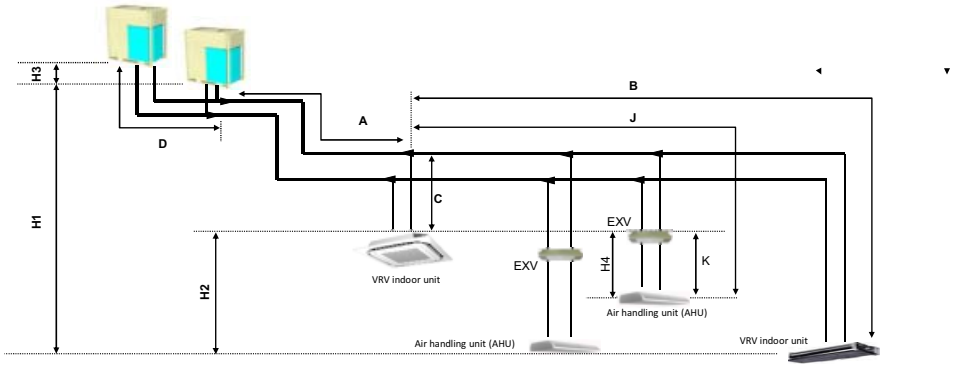
RXYTQ-TYF

Piping restrictions ·2/3·



Notes
1. Schematic indication
   Illustrations may differ from the actual appearance of the unit.
2. This is only to illustrate piping length limitations.
   Refer to combination table ·3D096860· for details about the allowed combinations.

		Allowed piping length	Maximum height difference
		·EXV· to ·AHU· (K)	·EXV· to ·AHU· (H4)
Air handling unit (AHU) Connection	Pair	≤5m	5m
	Multi (1)	≤5m	5m
	Mix (2)	≤5m	5m

Notes
1. Multiple air handling units (·AHU·)(·EKEXV· + ·EKEQ· kits).
2. Mix of air handling units (·AHU·) and ·VRV DX· indoor units.

3D096859

12 Installation

12 - 3 Refrigerant Pipe Selection

RXYTQ-TYF

Piping restrictions ·3/3·

System pattern Allowed connection ratio (CR) Other combinations are not allowed.	Total		Allowed capacity	
	Capacity	Maximum allowed amount of connectable indoor units (·VRV,AHU·) Excluding ·EXV· kits	VRV DX indoor unit	Air handling unit (AHU)
·VRV DX· indoor units only	50~130%	Maximum ·64·	50~130%	-
·VRV DX· indoor unit + ·AHU· Mix	50~110% (2)	Maximum ·64· (1)	50~110%	0~110%
·AHU· only Pair + multi (3)	90~110% (2)	Maximum ·64· (1)	-	90~110%

Notes

1. ·EKEXV· kits are also considered indoor units.
2. Restrictions regarding the air handling unit capacity
3. Pair AHU = system with 1 air handling unit connected to one outdoor unit
   Multi AHU = system with multiple air handling units connected to one outdoor unit

About ventilation applications

I. ·FXMQ_MF· units are considered air handling units, following air handling unit limitations.
   - Maximum connection ratio when combined with ·VRV DX· indoor units: ·CR ≤ 30·%.
   - Maximum connection ratio when only air handling units are connected: ·CR ≤ 100·%.

   For information on the operation range, refer to the documentation of the ·FXMQ_MF· unit.

II. ·Biddle· air curtains are considered air handling units, following air handling unit limitations:
   For information on the operation range, refer to the documentation of the ·Biddle· unit.

III. ·EKEXV + EKEQ· units combined with an air handling unit are considered air handling units, following air handling unit limitations.
   For information on the operation range, refer to the documentation of the ·EKEXV-EKEQ· unit.

IV. ·VKM· units are considered to be regular ·VRV DX· indoor units.
   For information on the operation range, refer to the documentation of the ·VKM· unit.

V. Because there is no refrigerant connection with the outdoor unit (only communication F1/F2), ·VAM· units do not have connection limitations.
   However, since there is communication via F1/F2, count them as regular indoor unit when calculating the maximum allowed number of connectable indoor units.

3D096859

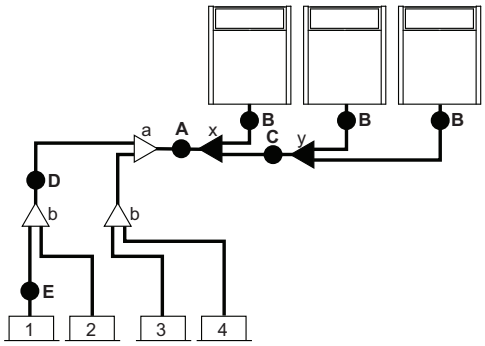
12 Installation

12 - 3 Refrigerant Pipe Selection

RXYTQ-TYF

1 To select the piping size

Determine the proper size referring to following tables and reference figure (only for indication).



1,2,3,4 VRV DX indoor unit
a,b Indoor branch kit
x,y Outdoor multi connection kit

A, B, C: Piping between outdoor unit and (first) refrigerant branch kit

Choose from the following table in accordance with the outdoor unit total capacity type, connected downstream.

Outdoor unit capacity type (HP)	Piping outer diameter size (mm)	
	Gas pipe	Liquid pipe
8	19.1	9.5
10	22.2	9.5
12~16	28.6	12.7
18~22	28.6	15.9
24	34.9	15.9
26~34	34.9	19.1
36~48	41.3	19.1

D: Piping between refrigerant branch kits

Choose from the following table in accordance with the indoor unit total capacity type, connected downstream. Do not let the connection piping exceed the refrigerant piping size chosen by the general system model name.

Indoor unit capacity index	Piping outer diameter size (mm)	
	Gas pipe	Liquid pipe
<150	15.9	9.5
150≤x<200	19.1	
200≤x<290	22.2	
290≤x<420	28.6	12.7
420≤x<640		15.9
640≤x<920	34.9	19.1
≥920	41.3	

Example:

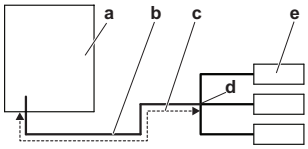
- Downstream capacity for E=capacity index of unit 1
- Downstream capacity for D=capacity index of unit 1+capacity index of unit 2

E: Piping between refrigerant branch kit and indoor unit

Pipe size for direct connection to indoor unit must be the same as the connection size of the indoor unit (in case indoor unit is VRV DX indoor).

Indoor unit capacity index	Piping outer diameter size (mm)	
	Gas pipe	Liquid pipe
15~50	12.7	6.4
63~125	15.9	9.5
200	19.1	
250	22.2	

- When the equivalent pipe length between outdoor and indoor units is 90 m or more, the size of the main pipes (both gas side and liquid side) must be increased. Depending on the length of the piping, the capacity may drop, but even in such a case the size of the main pipes has to be increased. More specifications can be found in the technical engineering data book.



a Outdoor unit
b Main pipes
c Increase if the equivalent piping length is ≥90 m
d First refrigerant branch kit
e Indoor unit

Size up		
HP class	Piping outer diameter size (mm)	
	Gas pipe	Liquid pipe
8	19.1 → 22.2	9.5 → 12.7
10	22.2 → 25.4[a]	
12+14	28.6[b]	12.7 → 15.9
16	28.6 → 31.8[a]	
18~22		15.9 → 19.1
24	34.9[b]	
26~34	34.9 → 38.1[a]	19.1 → 22.2
36~48	41.3[b]	

(a) If size is NOT available, increase is NOT allowed.
(b) Increase is NOT allowed.

- The pipe thickness of the refrigerant piping shall comply with the applicable legislation. The minimal pipe thickness for R410A piping must be in accordance with the table below.

Pipe Ø (mm)	Minimal thickness t (mm)
6.4/9.5/12.7	0.80
15.9	0.99
19.1/22.2	0.80
28.6	0.99
34.9	1.21
41.3	1.43

- In case the required pipe sizes (inch sizes) are not available, it is also allowed to use other diameters (mm sizes), taken the following into account:
  - Select the pipe size nearest to the required size.
  - Use the suitable adapters for the change-over from inch to mm pipes (field supply).
  - The additional refrigerant calculation has to be adjusted as mentioned in To determine the additional refrigerant amount.

4PEN388987-1

12 Installation

12 - 3 Refrigerant Pipe Selection

RXYTQ-TYF

2 To select refrigerant branch kits

Refrigerant refnets

For piping example, refer to "To select the piping size".

- When using refnet joints at the first branch counted from the outdoor unit side, choose from the following table in accordance with the capacity of the outdoor unit (example: refnet joint a).

Outdoor unit capacity type (HP)	2 pipes
8~10	KHRQ22M29T9
12~22	KHRQ22M64T
24~48	KHRQ22M75T

- For refnet joints other than the first branch (example refnet joint b), select the proper branch kit model based on the total capacity index of all indoor units connected after the refrigerant branch.

Indoor unit capacity index	2 pipes
<200	KHRQ22M20T
200≤x<290	KHRQ22M29T9
290≤x<640	KHRQ22M64T
≥640	KHRQ22M75T

- Concerning refnet headers, choose from the following table in accordance with the total capacity of all the indoor units connected below the refnet header.

Indoor unit capacity index	2 pipes
<200	KHRQ22M29H
200≤x<290	
290≤x<640	KHRQ22M64H[(a)]
≥640	KHRQ22M75H

(a) If the pipe size above the refnet header is Ø34.9 or more, KHRQ22M75H is required.

INFORMATION

Maximum 8 branches can be connected to a header.

- How to choose an outdoor multi connection piping kit. Choose from the following table in accordance with the number of outdoor units.

Number of outdoor units	Branch kit name
2	BHFQ22P1007
3	BHFQ22P1517

INFORMATION

Reducers or T-joints are field supplied.

NOTICE

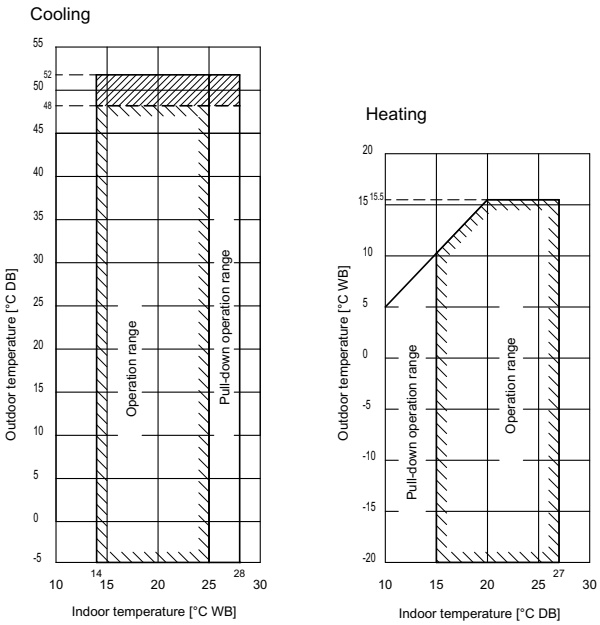
Refrigerant branch kits can only be used with R410A.

4PEN388987-1

13 Operation range

13 - 1 Operation Range

RXYTQ-TYF



Notes

1. These figures assume the following operation conditions
   Indoor and outdoor units
   Equivalent piping length: 5m
   Level difference: 0m
2. Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
3. To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.
4. Operation range is valid in case direct expansion indoor units are used.
   If other indoor units are used, refer to the documentation of the respective indoor units.
5. ////: Unit operation is possible, but no guaranteed capacity

3D096861

VRV IV heat pump for high ambient temperatures

III Indoor units

FXFQ-A ..... 3 ..... 83 3

FXZQ-A ..... 4 ..... 121 4

FXCQ-MVE ..... 5 ..... 143 5

FXDQ-A ..... 6 ..... 161 6

FXSQ-A ..... 7 ..... 183 7

FXMQ-P7 ..... 8 ..... 215 8

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FXMQ-MA ..... 10 ..... 255 10

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1 Features

360° air discharge for optimum efficiency and comfort

- Daily automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Modern style decoration panel is available in 3 di?erent variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel
- Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required
- Lowest installation height in the market: 214mm for class 20-63
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjecent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

2 Specifications

2-1 Technical Specifications					FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A
Cooling capacity	Nom.			kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity	Nom.			kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power input - 50Hz	Cooling	Nom.		kW	0.038				0.053	0.061	0.092	0.115	0.186
	Heating	Nom.		kW	0.038				0.053	0.061	0.092	0.115	0.186
Power input - 60Hz	Cooling	Nom.		kW	0.038				0.053	0.061	0.092	0.115	0.186
	Heating	Nom.		kW	0.038				0.053	0.061	0.092	0.115	0.186
Dimensions	Unit	Height		mm	204						246		288
		Width		mm	840								
		Depth		mm	840								
	Packed unit	Height		mm	220						260		300
		Width		mm	880								
		Depth		mm	880								
Weight	Unit			kg	19			20	21		24		26
	Packed unit			kg	23			24	26		29		31
Casing	Material				Galvanised steel plate								
Decoration panel	Model				BYCQ140D7GFW1 - auto cleaning panel with fine mesh filter								
	Colour				Pure White (RAL 9010)								
	Dimensions	Height		mm	130								
		Width		mm	950								
		Depth		mm	950								
	Weight			kg	10.3								
Decoration panel 2	Model				BYCQ140D7GW1 - auto cleaning panel								
	Colour				Pure White (RAL 9010)								
	Dimensions	Height		mm	130								
		Width		mm	950								
		Depth		mm	950								
	Weight			kg	10.3								
Decoration panel 3	Model				BYCQ140D7W1W - full white								
	Colour				Pure White (RAL 9010)								
	Dimensions	Height		mm	50								
		Width		mm	950								
		Depth		mm	950								
	Weight			kg	5.4								
Decoration panel 4	Model				BYCQ140D7W1 - white with grey louvers								
	Colour				Pure white (RAL 9010)								
	Dimensions	Height		mm	50								
		Width		mm	950								
		Depth		mm	950								
	Weight			kg	5.4								
Heat exchanger	Type				Cross fin coil (multi slit fins and HI-XA tubes)								
	Inside length			mm	2,134				2,090				
	Outside length			mm	2,181				2,184				
	Rows	Quantity			2				3				
	Fin pitch			mm	1.2								
	Passes	Quantity			4			6	12		14		17
	Face area			m²	0.278			0.366	0.371		0.464		0.556
	Stages	Quantity			9			12			15		18
	Empty tubeplate hole	Quantity			0								
Fan	Type				Turbo fan								
	Quantity				1								
	Air flow rate - 50Hz	Cooling	High	m³/min	12.5			13.6	15.0	16.5	22.8	26.5	33.0
			Nom.	m³/min	10.6			11.6	12.8	13.5	17.6	19.5	26.5
			Low	m³/min	8.8			9.5	10.5		12.4		19.9
		Heating	High	m³/min	12.5			13.6	15.0	16.5	22.8	26.5	33.0
			Nom.	m³/min	10.6			11.6	12.8	13.5	17.6	19.5	26.5
			Low	m³/min	8.8			9.5	10.5		12.4		19.9

2 Specifications

2-1 Technical Specifications				FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A
Fan motor	Model			QTS48D11M						QTS48C15M		
	Speed	Steps		3								
	Output	High	W	48								
Air filter	Type			Resin net with mold resistance								
Sound power level	Cooling	High	dBA	49			51		53	55	60	61
Sound pressure level	Cooling	High	dBA	31			33		35	38	43	45
		Nom.	dBA	29			31		33	34	37	41
		Low	dBA	28			29		30			36
	Heating	High	dBA	31			33		35	38	43	45
		Nom.	dBA	29			31		33	34	37	41
		Low	dBA	28			29		30			36
Refrigerant	Type			R-410A								
Piping connections	Liquid	Type		Flare connection								
		OD	mm	6.35					9.52			
	Gas	Type		Flare connection								
		OD	mm	12.7					15.9			
	Drain			VP25 (O.D. 32 / I.D. 25)								
	Heat insulation			Foamed polystyrene / Foamed polyethylene								
	Sound absorbing insulation			Foamed Polyurethane								
Control systems	Infrared remote control			BRC7FA532F								
	Wired remote control			BRC1D52 / BRC1E52A/B								
	Simplified wired remote control for hotel applications			-								

Standard Accessories : Operation manual; Quantity : 1;
Standard Accessories : Installation manual; Quantity : 1;
Standard Accessories : Drain hose; Quantity : 1;
Standard Accessories : Clamp for drain hose; Quantity : 1;
Standard Accessories : Washer for hanger bracket; Quantity : 1;
Standard Accessories : Screws; Quantity : 1;
Standard Accessories : Installation guide; Quantity : 1;
Standard Accessories : Insulation for fitting; Quantity : 2;
Standard Accessories : Sealing pads; Quantity : 4;
Standard Accessories : Drain sealing pad; Quantity : 1;
Standard Accessories : Clamps; Quantity : 1;

2-2 Electrical Specifications				FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A
Power supply	Phase			1~								
	Frequency		Hz	50/60								
	Voltage		V	220-240/220								
Voltage range	Min.		%	-10								
	Max.		%	10								
Current - 50Hz	Minimum circuit amps (MCA)		A	0.3				0.4		0.6	0.8	1.3
	Maximum fuse amps (MFA)		A	16								
	Full load amps (FLA)	Total	A	0.2				0.3		0.5	0.6	1.0
Current - 60Hz	Minimum circuit amps (MCA)		A	0.3				0.4		0.6	0.8	1.3
	Maximum fuse amps (MFA)		A	16								
	Full load amps (FLA)	Total	A	0.2				0.3		0.5	0.6	1.0

2 Specifications

Notes

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB

The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.

The sound power level is an absolute value indicating the power which a sound source generates.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 16A

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

FXFQ-A

UNITS				Power supply		IFM	INPUT (W)	
MODEL	Hz	Volts	Voltage range	MCA	MFA	FLA	COOLING	HEATING
FXFQ20A	50	220 - 240	Max. 264 Min. 198	0.3	16	0.2	38	35
FXFQ25A		220 - 240		0.3	16	0.2	38	35
FXFQ32A		220 - 240		0.3	16	0.2	38	35
FXFQ40A		220 - 240		0.3	16	0.2	38	35
FXFQ50A		220 - 240		0.4	16	0.3	53	50
FXFQ63A		220 - 240		0.4	16	0.3	61	58
FXFQ80A		220 - 240		0.6	16	0.5	92	89
FXFQ100A		220 - 240		0.8	16	0.6	115	112
FXFQ125A		220 - 240		1.3	16	1.0	186	183
FXFQ20A	60	220	Max. 242 Min. 198	0.3	16	0.2	38	35
FXFQ25A		220		0.3	16	0.2	38	35
FXFQ32A		220		0.3	16	0.2	38	35
FXFQ40A		220		0.3	16	0.2	38	35
FXFQ50A		220		0.4	16	0.3	53	50
FXFQ63A		220		0.4	16	0.3	61	58
FXFQ80A		220		0.6	16	0.5	92	89
FXFQ100A		220		0.8	16	0.6	115	112
FXFQ125A		220		1.3	16	1.0	186	183

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NOTES

1 Voltage range
Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above the listed range limits.

2 Maximum allowable voltage unbalance between phases is 2%.

3 MCA/MFA
MCA = 1.25 x FLA
MFA ≤ 4 x FLA
(next lower standard fuse rating min. 16A)

4 Select wire size based on the MCA.

5 Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps. (A)
MFA : Max. Fuse Amps (See note 5)
IFM : Indoor Fan Motor.
FLA : Full Load Amps. (A)

4 Safety device settings

4 - 1 Safety Device Settings

FXFQ-A

Safety devices		FXFQ20~125A
Fuse		250V 3.15A (ON PCB BOARD)
Fan motor thermal fuse	°C	---
Fan motor thermal protector	°C	---
Drain pump fuse	°C	---

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5 Options

5 - 1 Options

FXFQ-A

OPTIONS

	Item	Model		FXFQ20~125A
1	Decoration panel	Standard		BYCQ140D7W1
		White		BYCQ140D7W1W *3
		Self clean		BYCQ140D7GW1 / BYCQ140D7GFW1 *5, *6, *12
2	Long life replacement filter		Non-woven type	KAFP551K160
3	Fresh air intake kit (20% fresh air)		Chamber type	(Chamber) KDDQ55B140-1 *7, *8 (diffuser from chamber to duct) KDDQ55B140-2 *7, *8
4	Sealing member of air discharge outlet			KDBHQ55B140 *7
5	Sensor kit			BRYQ140A7

CONTROL SYSTEM

	Item	Model		FXFQ20~125A
1-1	Remote controller	Infrared	H/P	BRC7FA532F *7
		Wired		BRC1D528 *4
				BRC1E51A *4
				BRC1E52A / BRC1E52B
1-2	Simplified remote controller (with operation mode selector button)			BRC2E52C *9
1-3	Simplified remote controller (without operation mode selector button)			BRC3E52C *9
2-1	Wiring adapter for electrical appendices (1)			KRP1BA57 *2 *7
2-2	Wiring adapter for electrical appendices (2)			KRP4AA53 *2 *7
2-3	Wiring adapter (hour meter)			EKRP1C11 *2 *7
3	Remote sensor			KRCS01-4B
4	Installation box for adapter PCB			KRP1H98 *7
5	Central remote controller			DCS302CA51
6	Unified ON/OFF controller			DCS301BA51
7	Electrical box with earth terminal (2 blocks)			KJB212AA
8	Electrical box with earth terminal (3 blocks)			KJB311AA
9	Schedule timer			DST301BA51
10	Option PCB for Multi tenant			DTA114A61
11	I-touch controller			DCS601C51
12	Digital input adaptor			BRP7A53

*1 All options are supplied as kit.
*2 Installation box is necessary for these adapters
*3 The BYCQ140D7W1W has white insulations.
Be informed that formation of dirt on white insulations is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.
*4 Not recommended because of the limitation of the functions.
*5 To be able to control the BYCQ140D7GW1/BYCQ140D7GFW1 the controller BRC1E is needed
*6 The BYCQ140D7GW1/BYCQ140D7GFW1 is not compatible with Mini-VRV, Multi and Split Non-Inverter Outdoor units.
*7 Option not available in combination with BYCQ140D7GW1/BYCQ140D7GFW1
*8 Both parts of the fresh air intake are needed for each unit.
*9 Included languages are:
Language pack - 1: English, German, French, Dutch, Spanish, Italian and Portuguese.
With PC cable - EKPCCAB3 - in combination with the Updater PC software, you can additionally change the language to:
Language pack - 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian.
Language pack - 3: English, Greek, Polish, Russian, Serbian, Slovakian and Turkish.
*10 Only possible in combination with simplified remote control BRC2/3E52C.
*11 Requires installation box for adaptor PCB
*12 This option is intended exclusively for usage in fine dust environlents (clothing shops). Do not use this option in high humidity and/or greasy environments.

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXFQ-A

Cooling Capacity

TC: Total capacity; kW
SHC: Sensible heat capacity; kW

Unit size	Indoor air temp.													
	14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB	
	20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.7	2.4	1.7
25	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.0	2.1	3.1	2.0
32	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.8	3.9	2.7	4.0	2.6
40	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.7	3.5	4.9	3.0	5.0	3.1
50	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.0	3.7	6.2	3.8
63	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.2	5.1	7.4	4.8	7.5	4.6
80	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.5	6.6	9.7	6.4	9.9	6.1
100	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.8	7.9	12.1	7.6	12.3	7.3
125	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.8	9.8	15.1	9.5	15.4	9.1

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NOTES - OPMERKINGEN - REMARQUES - ANMERKUNGEN - NOTAS - NOTE - ΣΗΜΕΙΩΣΕΙΣ - NOTLAR - ПРИМЕЧАНИЯ

1
- This table is for the selection of indoor equipment.
- Deze tabel is bedoeld voor het kiezen van de binnenunit.
- Ce tableau concerne la sélection de l'équipement intérieur.
- Diese Tabelle ist für die Auswahl der Innenanlagen.
- Esta tabla es para seleccionar el equipo interior.
- Usare questa tabella per la selezione delle apparecchiature interne.
- Αυτός ο πίνακας προορίζεται για την επιλογή εσωτερικού εξοπλισμού.
- Bu tablo iç ünite ekipmanlarının seçimine yöneliktir.
- Эта таблица предназначена для выбора устанавливаемого в помещении оборудования.

2
- In the event that conditions differ due to the design requirements after system selection, actual operating ability of the indoor equipment will differ from that noted in the table because of changes in the outdoor air temperature and load factor.
- Als nadat u het systeem hebt gekozen de voorwaarden afwijken van de ontwerpvereisten, dan zal het reële bedrijfsvermogen van de binnenunit afwijken van de in de tabel vermelde gegevens, wegens de afwijkende buitenluchttemperatuur en de belastingsfactor.
- Si les exigences de conception après la sélection du système entraînent une modification des conditions, les capacités opérationnelles réelles de l'équipement intérieur diffèrent de celles indiquées dans le tableau en raison de la modification de la température de l'air extérieure et du facteur de charge.
- Falls Bedingungen aufgrund der Konstruktionsanforderungen nach der Systemauswahl abweichen, dann weicht aufgrund der Änderungen der Außenlufttemperatur und des Lastfaktors die tatsächliche Betriebsfähigkeit der Innenanlage von der in der Tabelle aufgeführten ab.
- En caso de que las condiciones difieran debido a los requisitos de diseño tras seleccionar el sistema, la capacidad de funcionamiento real del equipo interior diferirá de la que se muestra en la tabla debido a los cambios de la temperatura de aire exterior y al factor de carga.
- Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
- Στην περίπτωση που οι συνθήκες διαφέρουν λόγω των απαιτήσεων σχεδιασμού μετά την επιλογή συστήματος, η πραγματική δυνατότητα του εσωτερικού εξοπλισμού θα διαφέρει από την αναφερόμενη στον πίνακα, λόγω των αλλαγών στην εξωτερική θερμοκρασία αέρα και στο συντελεστή φορτίου.
- Sistem seçiminden sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipmanın gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
- В случае, если реальные условия отличаются от проектных условий работы, используемых при выборе системы, фактические характеристики устанавливаемого в помещении оборудования будут отличаться от указанных в таблице вследствие изменения температуры воздуха снаружи и показателя нагрузки.

3
- In this case, use the ability table for the indoor equipment selected and correct for the ratio of change in ability.
- Gebruik in dat geval de vermogenstabel van de gekozen binneninstallatie en kies het juiste vermogen.
- Le cas échéant, utiliser le tableau de capacité de l'équipement intérieur sélectionner et corriger le rapport de modification de capacité.
- Verwenden Sie in diesem Fall die Fähigkeit für die ausgewählte Innenanlage und korrigieren Sie das Verhältnis der Änderung in der Fähigkeit.
- En este caso, utilice la tabla de capacidades del equipo interior seleccionado y corrija la relación de cambio en capacidad.
- In questo caso, usare la tabella delle capacità per le apparecchiature interne selezionate ed apportare le modifiche del caso in base alla percentuale di cambiamento di capacità.
- Σε αυτή την περίπτωση χρησιμοποιήστε τον πίνακα δυνατοτήτων για τον επιλεγμένο εσωτερικό εξοπλισμό και διορθώστε για την αναλογία αλλαγής στη δυνατότητα.
- Bu durumda, seçilen iç ekipman için kapasite tablosunu kullanın ve kapasitedeki değişim oranına göre düzeltme yapın.
- В этом случае используйте таблицу характеристик выбранного устанавливаемого в помещении оборудования и внесите необходимую поправку на их изменение.

6 Capacity tables
6 - 2 Heating Capacity Tables

FXFQ-A

Heating Capacity

Unit size	Indoor air temp. °CDB					
	16.0	18.0	20.0	21.0	22.0	24.0
	kW	kW	kW	kW	kW	kW
20	2.6	2.6	2.5	2.4	2.3	2.2
25	3.4	3.4	3.2	3.1	3.0	2.8
32	4.2	4.2	4.0	3.9	3.7	3.5
40	5.2	5.2	5.0	4.8	4.7	4.4
50	6.6	6.6	6.3	6.1	5.9	5.5
63	8.4	8.4	8.0	7.7	7.5	7.0
80	10.5	10.5	10.0	9.7	9.4	8.7
100	13.1	13.1	12.5	12.1	11.7	10.9
125	16.8	16.8	16.0	15.5	15.0	13.9

3TW25512-2B

NOTES - OPMERKINGEN - REMARQUES - ANMERKUNGEN - NOTAS - NOTE - ΣΗΜΕΙΩΣΕΙΣ - NOTLAR - ПРИМЕЧАНИЯ

1
- This table is for the selection of indoor equipment.
- Deze tabel is bedoeld voor het kiezen van de binnenunit.
- Ce tableau concerne la sélection de l'équipement intérieur.
- Diese Tabelle ist für die Auswahl der Innenanlagen.
- Esta tabla es para seleccionar el equipo interior.
- Usare questa tabella per la selezione delle apparecchiature interne.
- Αυτός ο πίνακας προορίζεται για την επιλογή εσωτερικού εξοπλισμού.
- Bu tablo iç ünite ekipmanlarının seçimine yöneliktir.
- Эта таблица предназначена для выбора устанавливаемого в помещении оборудования.

2
- In the event that conditions differ due to the design requirements after system selection, actual operating ability of the indoor equipment will differ from that noted in the table because of changes in the outdoor air temperature and load factor.
- Als nadat u het systeem hebt gekozen de voorwaarden afwijken van de ontwerpvereisten, dan zal het reële bedrijfsvermogen van de binnenunit afwijken van de in de tabel vermelde gegevens, wegens de afwijkende buitenluchttemperatuur en de belastingsfactor.
- Si les exigences de conception après la sélection du système entraînent une modification des conditions, les capacités opérationnelles réelles de l'équipement intérieur diffèrent de celles indiquées dans le tableau en raison de la modification de la température de l'air extérieure et du facteur de charge.
- Falls Bedingungen aufgrund der Konstruktionsanforderungen nach der Systemauswahl abweichen, dann weicht aufgrund der Änderungen der Außenlufttemperatur und des Lastfaktors die tatsächliche Betriebsfähigkeit der Innenanlage von der in der Tabelle aufgeführten ab.
- En caso de que las condiciones difieran debido a los requisitos de diseño tras seleccionar el sistema, la capacidad de funcionamiento real del equipo interior diferirá de la que se muestra en la tabla debido a los cambios de la temperatura de aire exterior y al factor de carga.
- Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
- Στην περίπτωση που οι συνθήκες διαφέρουν λόγω των απαιτήσεων σχεδιασμού μετά την επιλογή συστήματος, η πραγματική δυνατότητα του εσωτερικού εξοπλισμού θα διαφέρει από την αναφερόμενη στον πίνακα, λόγω των αλλαγών στην εξωτερική θερμοκρασία αέρα και στο συντελεστή φορτίου.
- Sistem seçiminden sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipmanın gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
- В случае, если реальные условия отличаются от проектных условий работы, используемых при выборе системы, фактические характеристики устанавливаемого в помещении оборудования будут отличаться от указанных в таблице вследствие изменения температуры воздуха снаружи и показателя нагрузки.

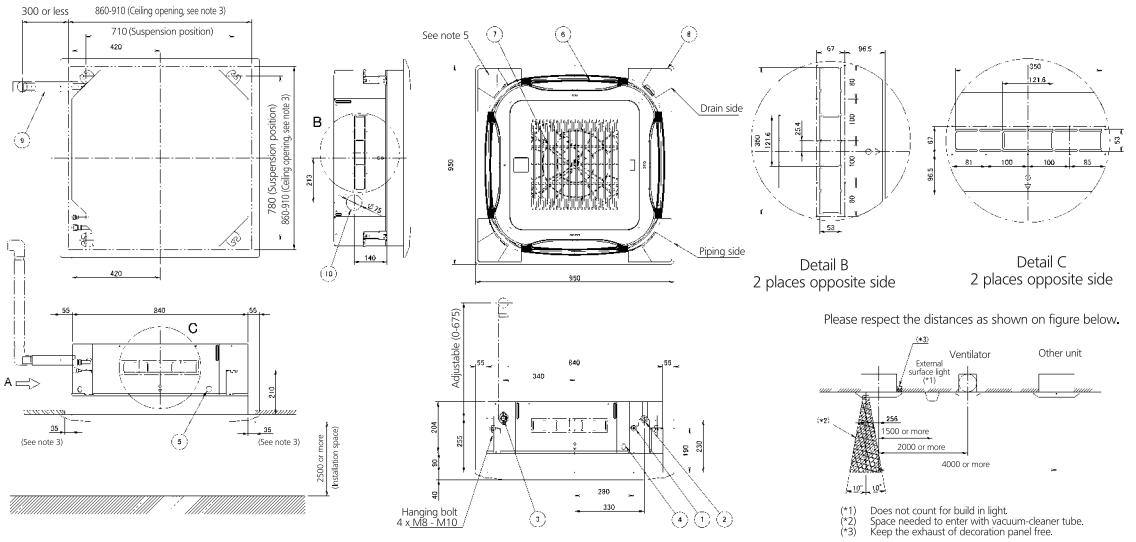
3
- In this case, use the ability table for the indoor equipment selected and correct for the ratio of change in ability.
- Gebruik in dat geval de vermogenstabel van de gekozen binneninstallatie en kies het juiste vermogen.
- Le cas échéant, utiliser le tableau de capacité de l'équipement intérieur sélectionner et corriger le rapport de modification de capacité.
- Verwenden Sie in diesem Fall die Fähigkeit für die ausgewählte Innenanlage und korrigieren Sie das Verhältnis der Änderung in der Fähigkeit.
- En este caso, utilice la tabla de capacidades del equipo interior seleccionado y corrija la relación de cambio en capacidad.
- In questo caso, usare la tabella delle capacità per le apparecchiature interne selezionate ed apportare le modifiche del caso in base alla percentuale di cambiamento di capacità.
- Σε αυτή την περίπτωση χρησιμοποιήστε τον πίνακα δυνατοτήτων για τον επιλεγμένο εσωτερικό εξοπλισμό και διορθώστε για την αναλογία αλλαγής στη δυνατότητα.
- Bu durumda, seçilen iç ekipman için kapasite tablosunu kullanın ve kapasitedeki değişim oranına göre düzeltme yapın.
- В этом случае используйте таблицу характеристик выбранного устанавливаемого в помещении оборудования и внесите необходимую поправку на их изменение.

7 Dimensional drawings

7 - 1 Dimensional Drawings with Accessories

FXFQ20-63A

with auto-cleaning panel



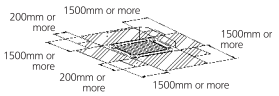
1 Liquid pipe connection
2 Gas pipe connection
3 Drain pipe connection
4 Power supply entry hole
5 Transmission wiring entry hole
6 Air discharge opening
7 Air suction grille
8 Corner decoration cover
9 Drain hose
10 Knock out hole

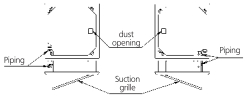
Model
FCQG35-71F, FXFQ20-63A

Please respect the distances as shown on figure below.

(*1) Does not count for build in light.
(*2) Space needed to enter with vacuum-cleaner tube.
(*3) Keep the exhaust of decoration panel free.

Installation direction





Required space

In case a discharge opening is closed with the 'sealing member' option, the distance of 1500mm can be reduced to 500mm on the closed side.

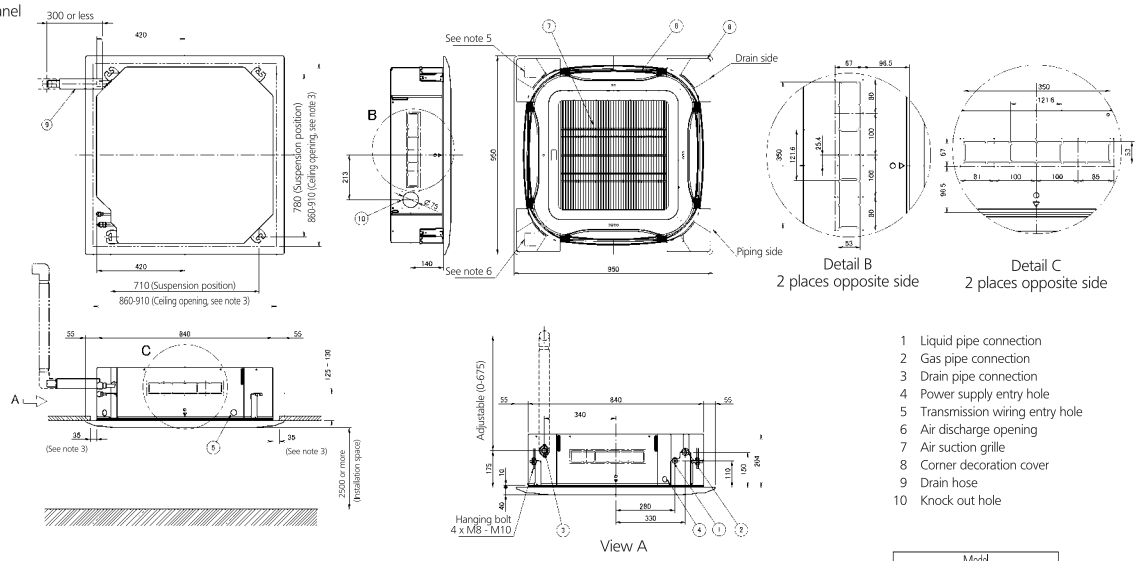
Notes:

1. Location of the nameplates:
   - Unit body: on the control box cover.
   - Decoration panel: on the panel frame at the piping side under the corner cover.
2. When installing an optional accessory, refer to the installation drawings.
   - For fresh air intake kit an inspection part is necessary.
3. Make sure the spacing between the ceiling and the cassette is no more than 35mm.
   MAX ceiling opening: 910mm.
4. When the conditions exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, an additional insulation is required (polyethylene foam, thickness 10 mm or more).
5. In case of using a sensor kit, this position will be a sensor, refer to the drawing of the sensor kit for more detail.

2D090231

FXFQ20-63A

with standard panel



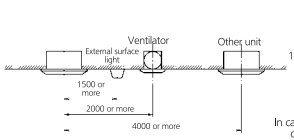
1 Liquid pipe connection
2 Gas pipe connection
3 Drain pipe connection
4 Power supply entry hole
5 Transmission wiring entry hole
6 Air discharge opening
7 Air suction grille
8 Corner decoration cover
9 Drain hose
10 Knock out hole

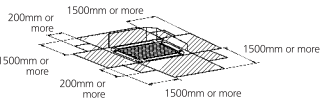
Model
FCQG35-71F, FXFQ20-63A

Notes:

1. Location of the nameplates:
   - Unit body: on the control box cover.
   - Decoration panel: on the panel frame at the piping side under the corner cover.
2. When installing an optional accessory, refer to the installation drawings.
   - For fresh air intake kit an inspection part is necessary.
3. Make sure the spacing between the ceiling and the cassette is no more than 35mm.
   MAX ceiling opening: 910mm.
4. When the conditions exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, an additional insulation is required (polyethylene foam, thickness 10 mm or more).
5. In case of using a sensor kit, this position will be a sensor, refer to the drawing of the sensor kit for more detail.
6. In case of using a infrared controller, this position will be a receiver, refer to the drawing of the infrared controller for more detail.

Please respect the distances as shown on figure.





Required space

In case a discharge opening is closed with the 'sealing member' option, the distance of 1500mm can be reduced to 500mm on the closed side.

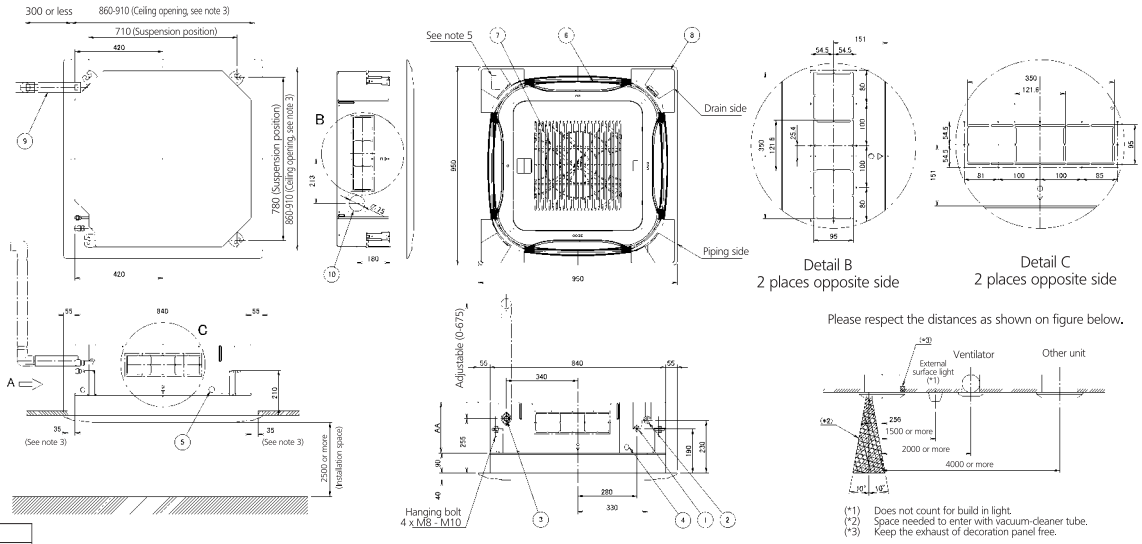
2D090245

7 Dimensional drawings

7 - 1 Dimensional Drawings with Accessories

FXFQ80-125A

with auto-cleaning panel

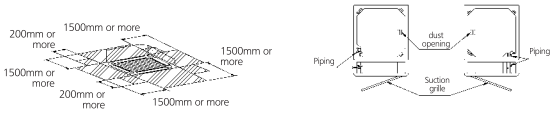


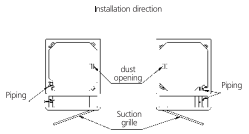
1 Liquid pipe connection
2 Gas pipe connection
3 Drain pipe connection
4 Power supply entry hole
5 Transmission wiring entry hole
6 Air discharge opening
7 Air suction grille
8 Corner decoration cover
9 Drain hose
10 Knock out hole

Please respect the distances as shown on figure below.

(*1) Does not count for build in light.
(*2) Space needed to enter with vacuum-cleaner tube.
(*3) Keep the exhaust of decoration panel free.

AA	Model
246	FCQG100-140F, FXFQ80-100A
288	FCQHG71-140F, FXFQ125A





Notes:

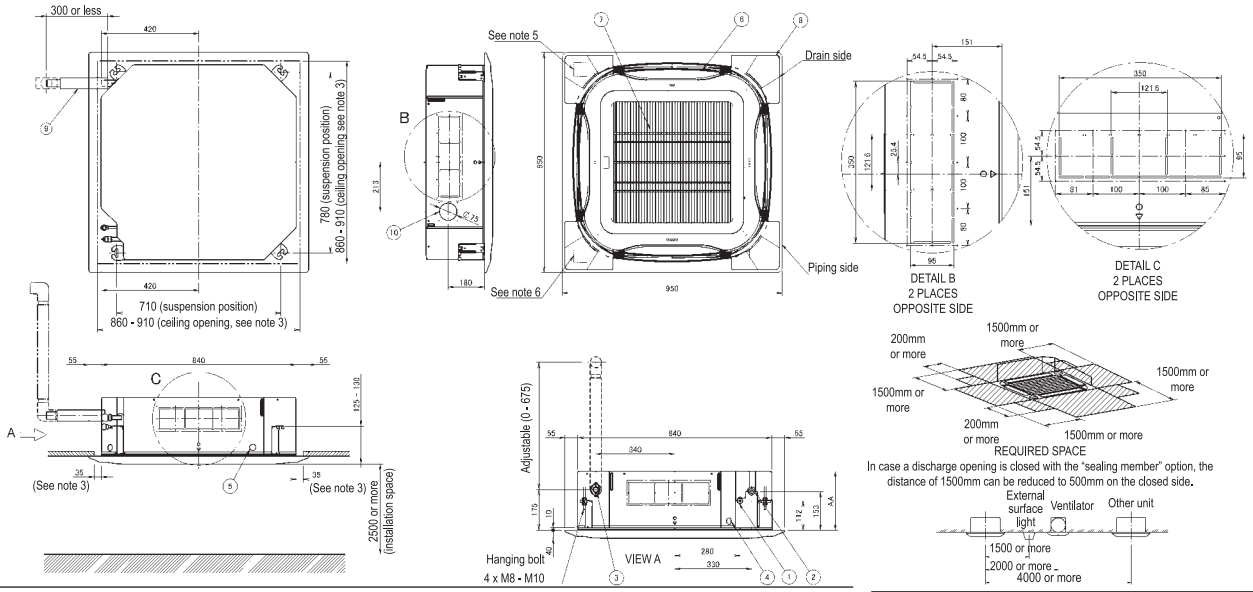
1. Location of the nameplates:
   - Unit body: on the control box cover.
   - Decoration panel: on the panel frame at the piping side under the corner cover.
2. When installing an optional accessory, refer to the installation drawings.
   - For fresh air intake kit an inspection part is necessary.
3. Make sure the spacing between the ceiling and the cassette is no more than 35mm.
   MAX ceiling opening: 910mm.
4. When the conditions exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, an additional insulation is required (polyethylene foam, thickness 10 mm or more).
5. In case of using a sensor kit, this position will be a sensor, refer to the drawing of the sensor kit for more detail.

Required space

In case a discharge opening is closed with the 'sealing member' option, the distance of 1500mm can be reduced to 500mm on the closed side.

3D077131D

FXFQ80-125A with standard panel



NOTE

1. Location of the nameplates
   - Unit body: on the control box cover
   - Decoration panel: on the panel frame at the piping side under the corner cover
2. When installing an optional accessory, refer to the installation drawings.
   - For fresh air intake kit an inspection part is necessary
3. Make sure the spacing between the ceiling and the cassette is no more than 35mm. Max ceiling opening: 910mm
4. When the conditions exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, an additional insulation is required (polyethylene foam, thickness 10mm or more)
5. In case of using a sensor kit, this position will be a sensor, refer to the drawing of the sensor kit for more detail
6. In case of using a infrared control, this position will be a receiver, refer to the drawing of the infrared control for more detail

Item	Name
1	Liquid pipe connection
2	Gas pipe connection
3	Drain pipe connection
4	Power supply entry hole
5	Transmission wiring entry hole
6	Air discharge opening
7	Air suction grille
8	Corner decoration cover
9	Drain hose
10	Knock out hole

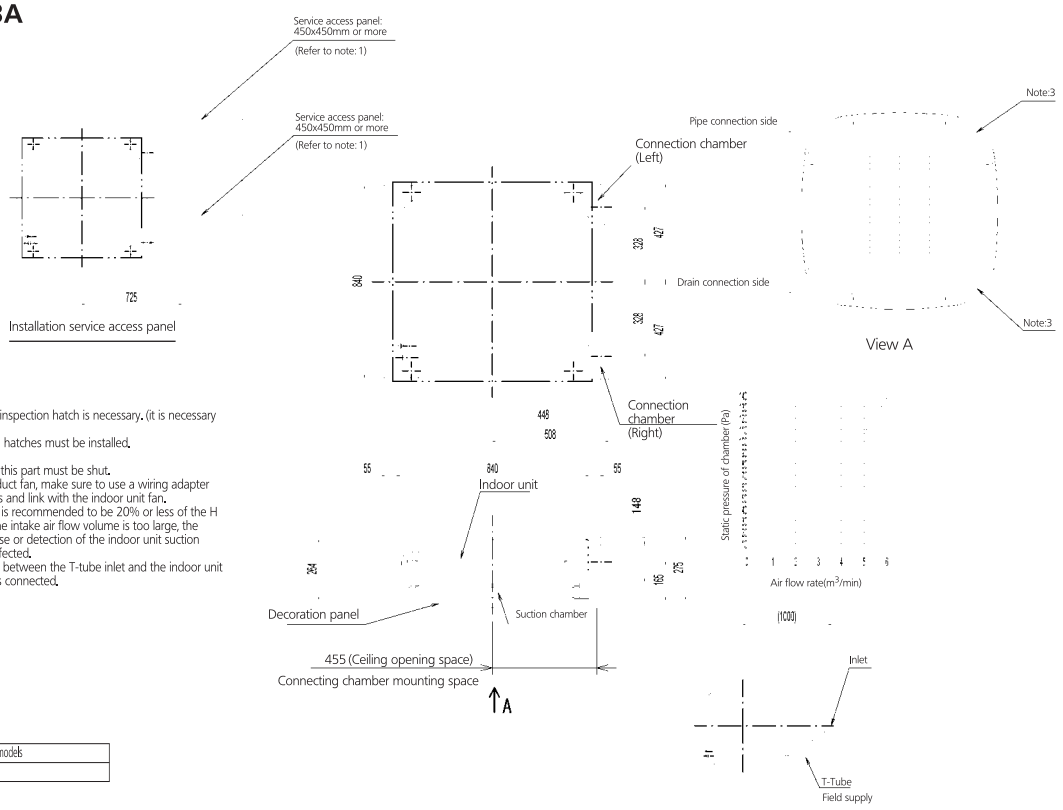
	Model
256	FCQG100-140FVEB, FXFQ80-100AVEB
298	FCQHG71-140FVEB, FXFQ125AVEB

3D077130E

7 Dimensional drawings

7 - 2 Dimensional Drawings with Fresh Air Intake

FXFQ20-63A



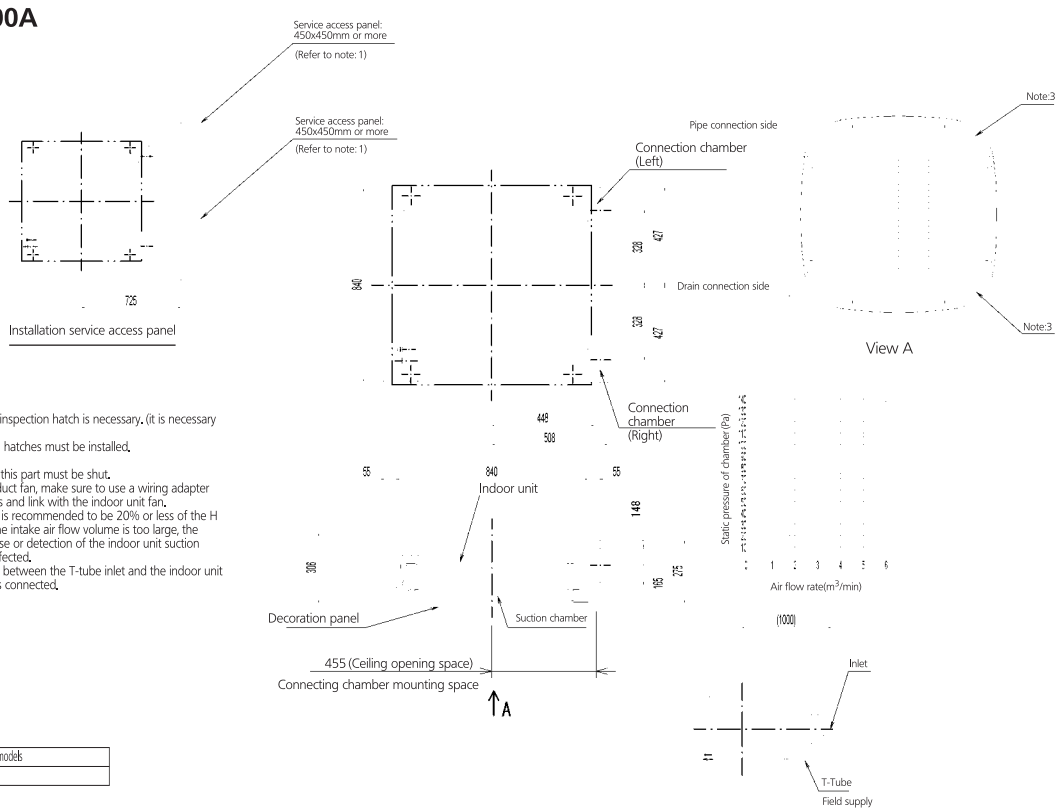
Note:

1. When installing this kit, inspection hatch is necessary. (it is necessary when servicing.)
   Either one of inspection hatches must be installed.
2. Field construction.
3. The corner air outlet of this part must be shut.
4. In case of mounting a duct fan, make sure to use a wiring adapter for electrical appendices and link with the indoor unit fan.
5. The intake air flow rate is recommended to be 20% or less of the H speed air flow rate. If the intake air flow volume is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.
6. It indicates the distance between the T-tube inlet and the indoor unit inlet when the T-tube is connected.

Applicable models
FXFQ20-63A

3D082217

FXFQ80-100A



Note:

1. When installing this kit, inspection hatch is necessary. (it is necessary when servicing.)
   Either one of inspection hatches must be installed.
2. Field construction.
3. The corner air outlet of this part must be shut.
4. In case of mounting a duct fan, make sure to use a wiring adapter for electrical appendices and link with the indoor unit fan.
5. The intake air flow rate is recommended to be 20% or less of the H speed air flow rate. If the intake air flow volume is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.
6. It indicates the distance between the T-tube inlet and the indoor unit inlet when the T-tube is connected.

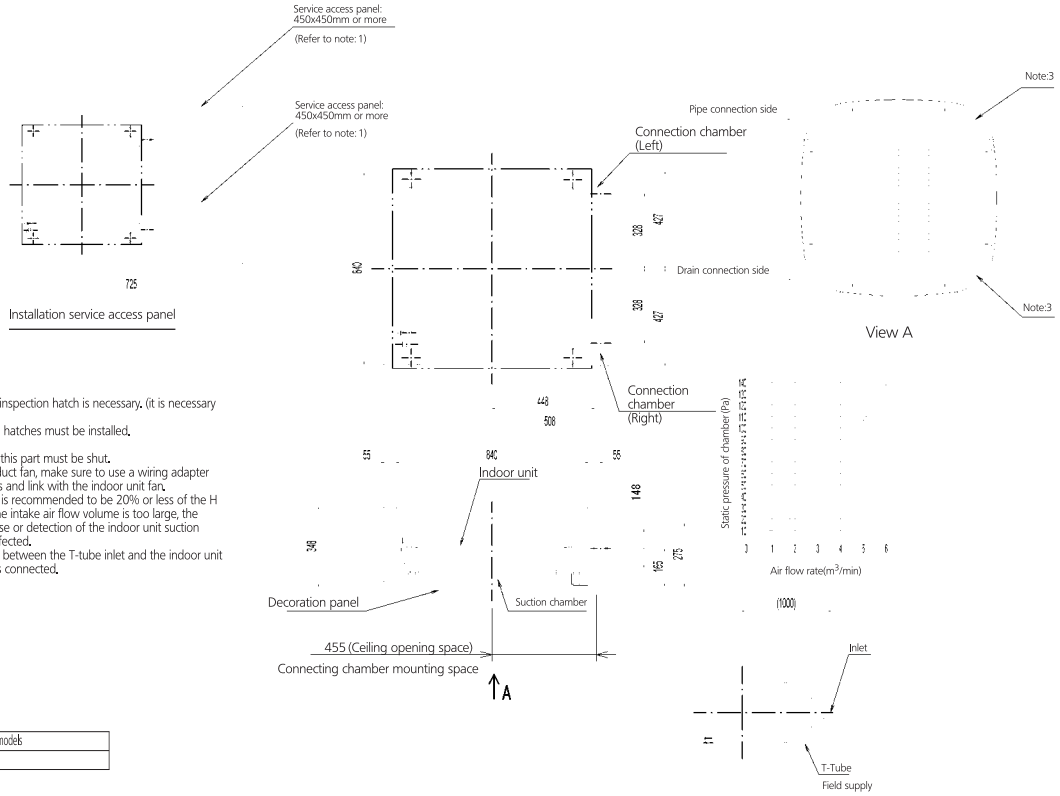
Applicable models
FXFQ80-100A

3D082218

7 Dimensional drawings

7 - 2 Dimensional Drawings with Fresh Air Intake

FXFQ125A



Note:

1. When installing this kit, inspection hatch is necessary. (it is necessary when servicing.)
   Either one of inspection hatches must be installed.
2. Field construction.
3. The corner air outlet of this part must be shut.
4. In case of mounting a duct fan, make sure to use a wiring adapter for electrical appendices and link with the indoor unit fan.
5. The intake air flow rate is recommended to be 20% or less of the H speed air flow rate. If the intake air flow volume is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.
6. It indicates the distance between the T-tube inlet and the indoor unit inlet when the T-tube is connected.

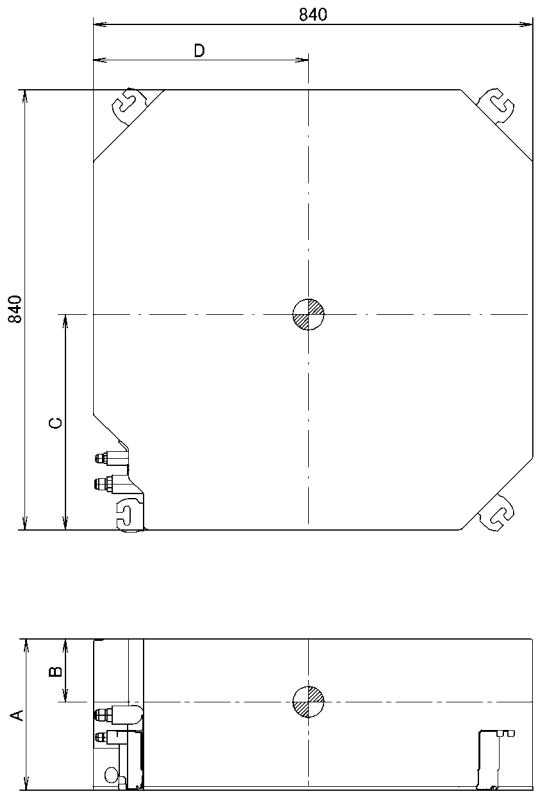
Applicable models
FXFQ125A

3D082220

8 Centre of gravity

8 - 1 Centre of Gravity

FXFQ-A



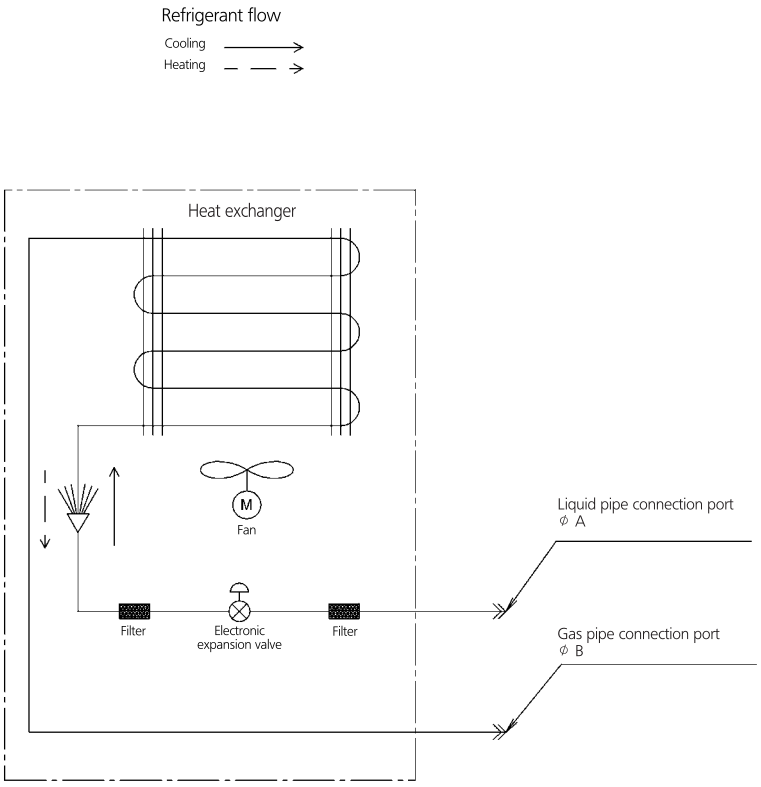
Model	A	B	C	D
FXFQ20~63A	204	60	409	358
FXFQ80~100A	246	90	411	411
FXFQ125A	288	120	420	420

4D077032A

9 Piping diagrams

9 - 1 Piping Diagrams

FXFQ-A



Model	A	B
FXFQ20A	6.35	12.7
FXFQ25A		
FXFQ32A		
FXFQ40A		
FXFQ50A		
FXFQ63A	9.52	15.9
FXFQ80A		
FXFQ100A		
FXFQ125A		

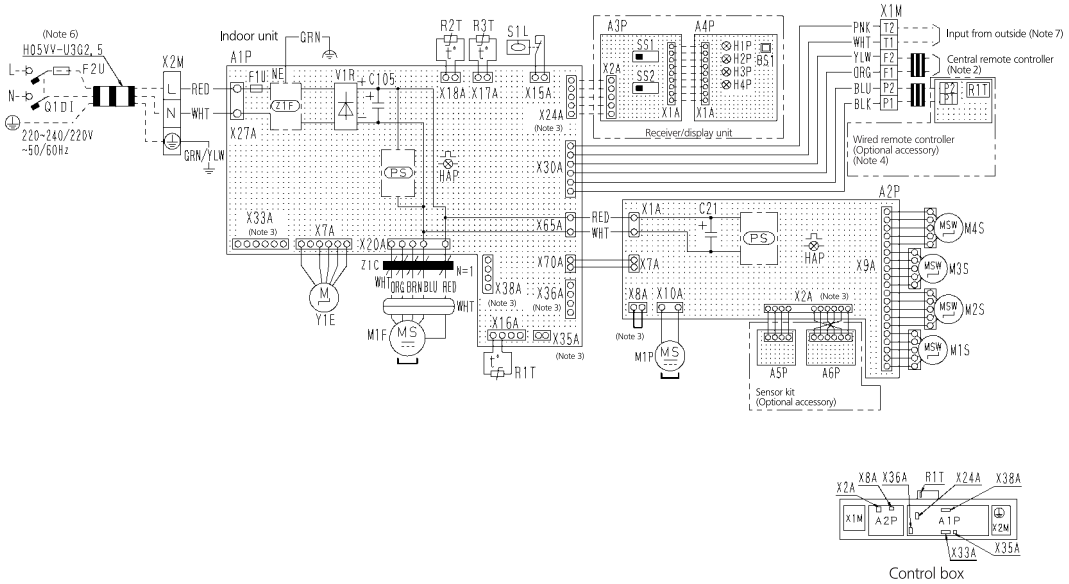
4D078800

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXFQ-A

Indoor unit	
A1P	Printed circuit board
A2P	Printed circuit board
C21	Capacitor
C105	Capacitor
F1U	Fuse (T,3.15A, 250V)
F2U	Field fuse
HAP	Light emitting diode (service monitor green)
M1F	Motor (indoor fan)
M1P	Motor (drain pump)
M1S-M4S	Motor (swing flap)
Q1DI	Earth leak detector
R1T	Thermistor (air)
R2T•R3T	Thermistor (coil)
S1L	Float switch
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Y1E	Electronic expansion valve
Z1C	Ferrite core (Noise filter)
Z1F	Noise filter
PS	Power supply circuit
Wired remote controller	
R1T	Thermistor (air)
Receiver/display unit (Attached to infrared remote controller)	
A3P	Printed circuit board
A4P	Printed circuit board
BS1	Push button (on/off)
H1P	Light emitting diode (on-red)
H2P	Light emitting diode (timer-green)
H3P	Light emitting diode (filter sign-red)
H4P	Light emitting diode (defrost-orange)
SS1	Selector switch (main/sub)
SS2	Selector switch (infrared address set)
Connector for optional parts	
X2A	Connector (Sensor kit)
X8A	Connector (Auto clean panel)
X24A	Connector (Infrared remote controller)
X33A	Connector (adaptor for wiring)
X35A	Connector (group control adapter)
X36A	Connector (Auto clean panel)
X38A	Connector (Multi tenant)



Notes

1. ▭ : Terminal block, ▭, ⌒ : Connector, ▭▭ : Field wiring
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. X2A, X8A, X33A, X35A, X36A, X38A are connected when the optional accessories are being used. In case of using an auto clean panel, see the wiring diagram of it.
4. In case of main/sub overchange, see the installation manual attached to remote controller.
5. Symbols show as follows: RED:Red BLK:Black WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink BLU:Blue.
6. Shows only in case of protected pipes, use HO7RN-F in case of no protection.
7. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. See installation manual for more details.

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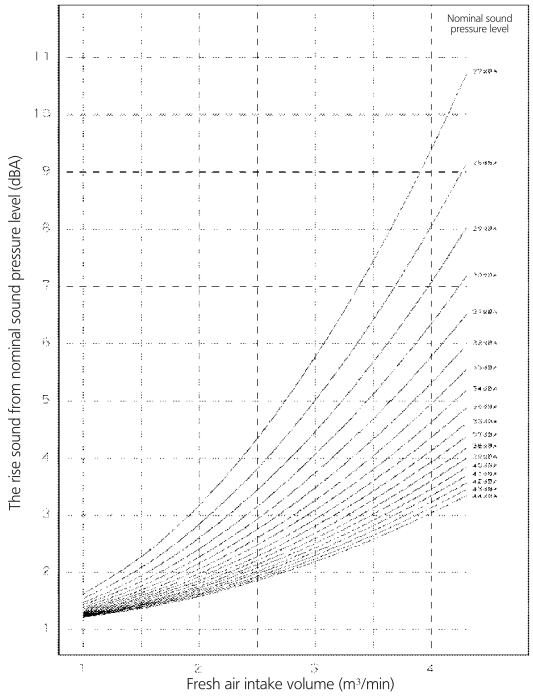
11 Sound data

11 - 1 Sound Pressure Spectrum

FXFQ-A

The rise of operating sound with fresh air intake kit



The maximum intake air flow volume is following table.
If the intake air flow volume is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.

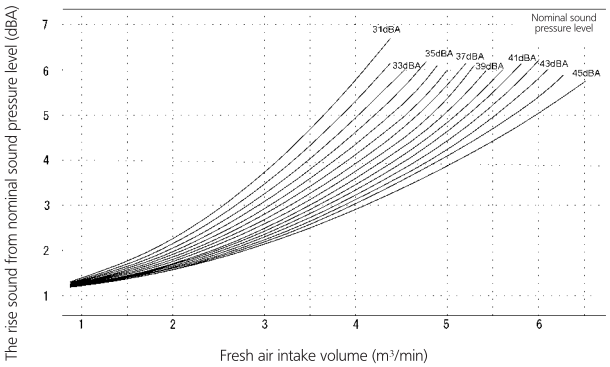
FXFQ-A	20	25	32	40	50	63	80	100	125
Max fresh air intake volume (m³/min)	2.5	2.5	2.5	2.7	3.1	3.5	4.3	4.3	4.3

4D079706

FXFQ-A

Max fresh air intake volume table

The rise of operating sound with fresh air intake kit



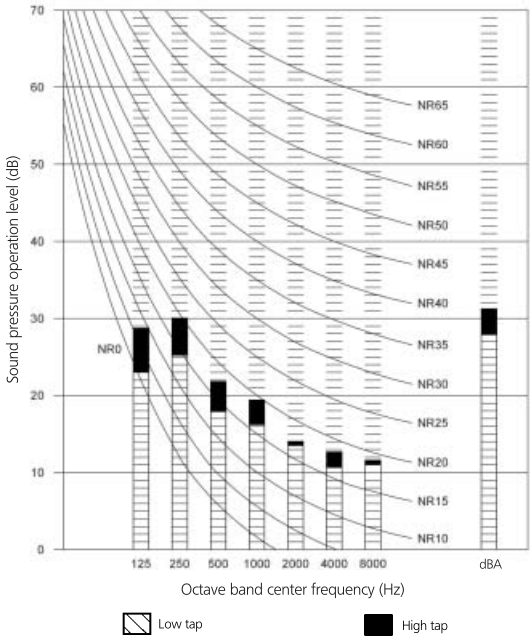
The maximum intake air flow volume is following table.
If the intake air flow volume is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.

FXFQ-A	20	25	32	40	50	63	80	100	125
Max fresh air intake volume (m³/min)	2.5	2.5	2.5	2.7	3.0	3.3	4.5	5.3	6.6

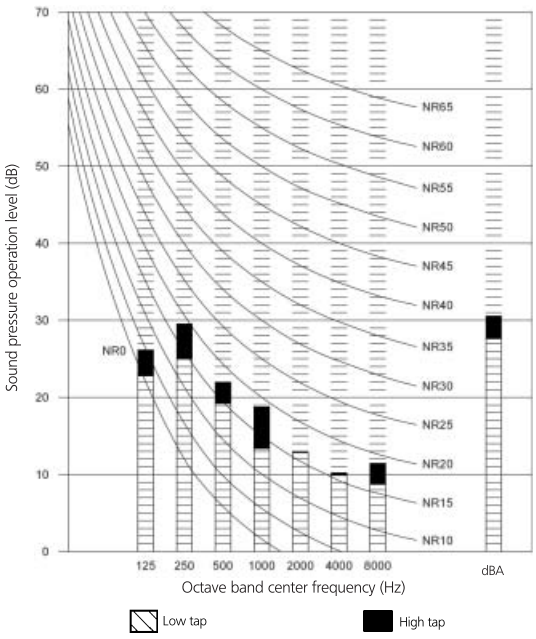
4D082223

FXFQ20-32A

Cooling



Heating



NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20μPa
5 Curve for FXFQ20AVEB, FXFQ25AVEB, FXFQ32AVEB in cooling/heating mode.
6 Sound power level:

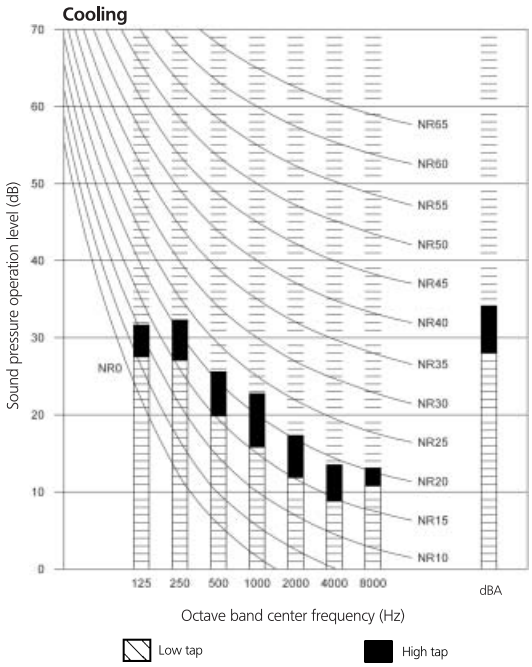
High tap
49 dB

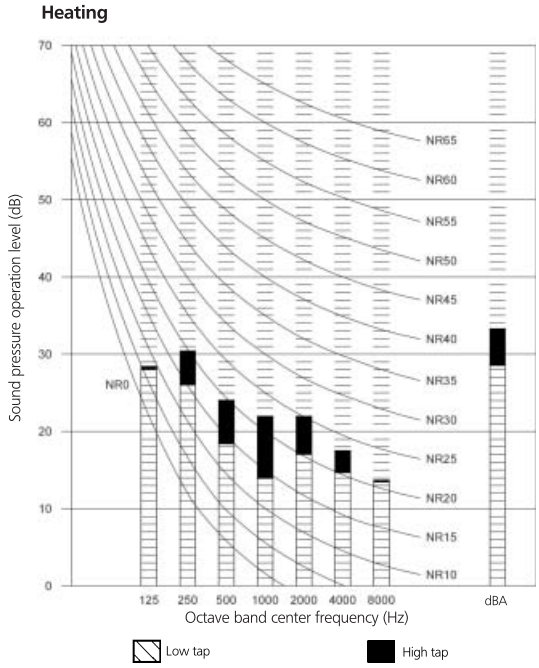
3D079458

11 Sound data

11 - 1 Sound Pressure Spectrum

FXFQ40-50A





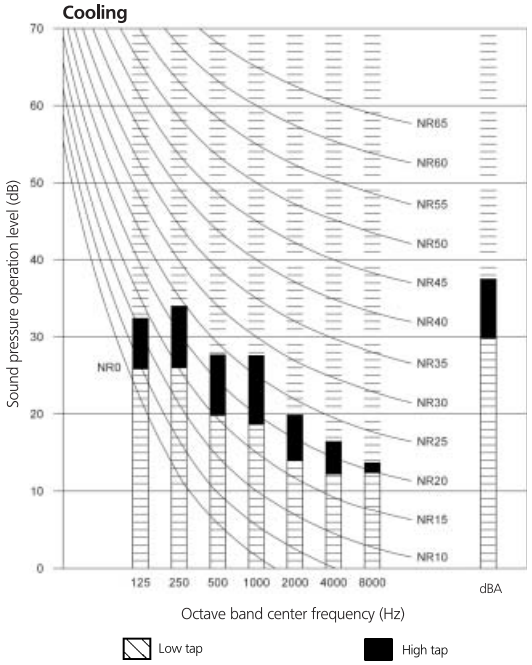
NOTES

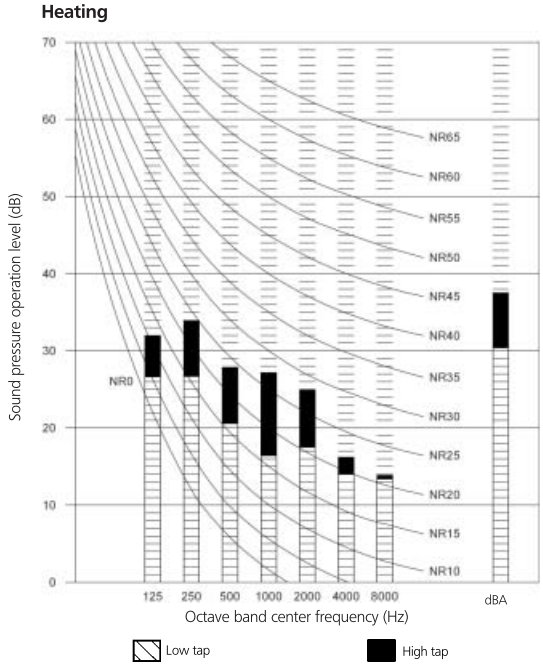
1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20µPa
5 Curve for FXFQ40AVEB, FXFQ50AVEB in cooling/heating mode.
6 Sound power level:

High tap
51 dB

3D079459

FXFQ63A





NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20µPa
5 Curve for FXFQ63AVEB in cooling/heating mode.
6 Sound power level:

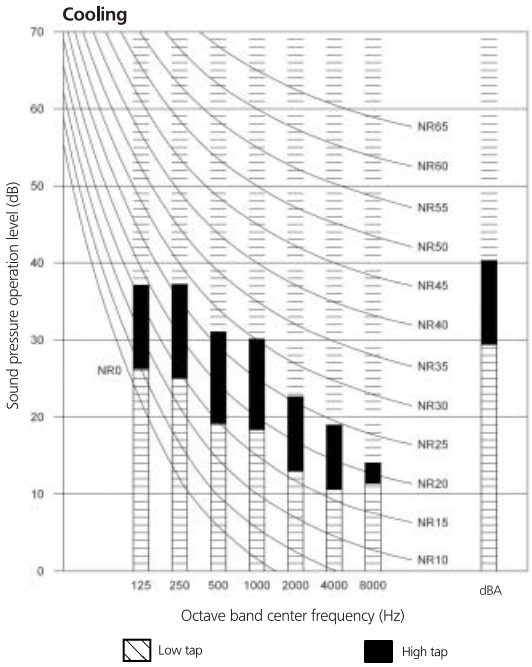
High tap
53 dB

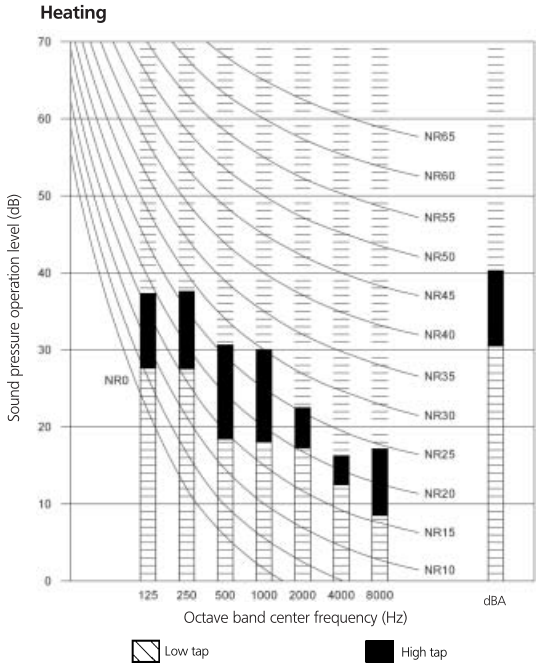
3D079460

11 Sound data

11 - 1 Sound Pressure Spectrum

FXFQ80A





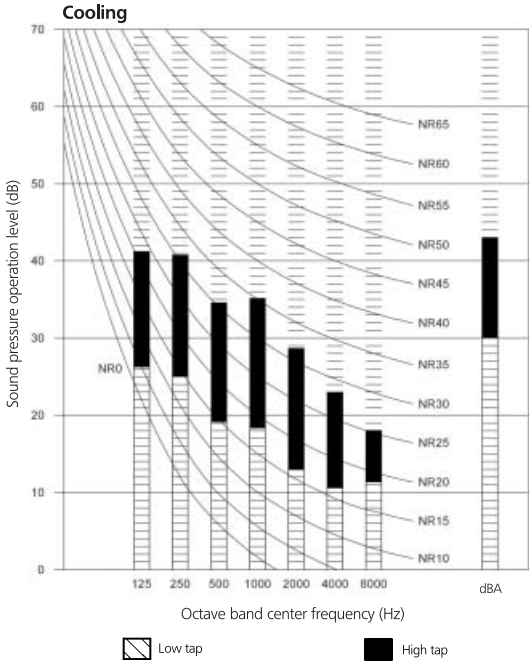
NOTES

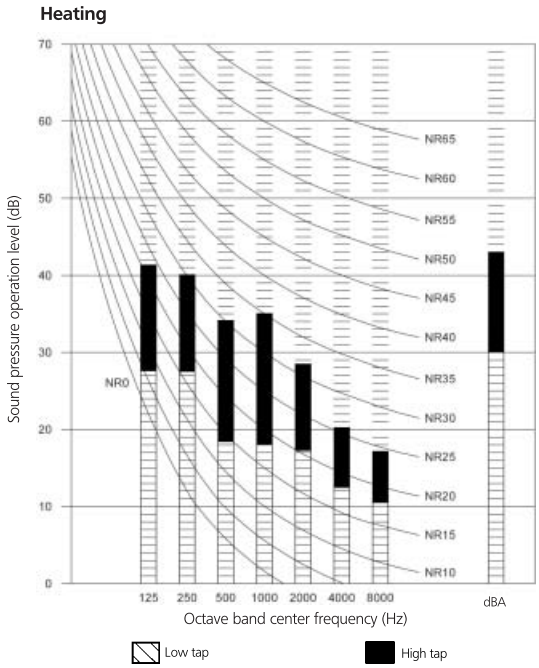
1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20μPa
5 Curve for FXFQ80AVEB in cooling/heating mode.
6 Sound power level:

High tap
55 dB

3D079461

FXFQ100A





NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20μPa
5 Curve for FXFQ100AVEB in cooling/heating mode.
6 Sound power level:

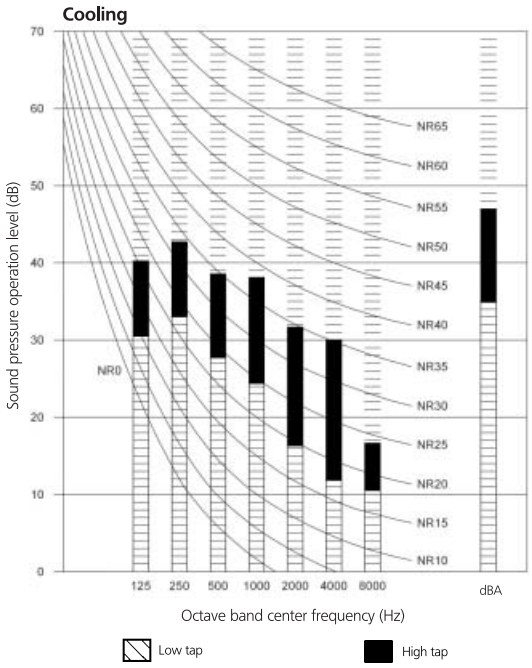
High tap
60 dB

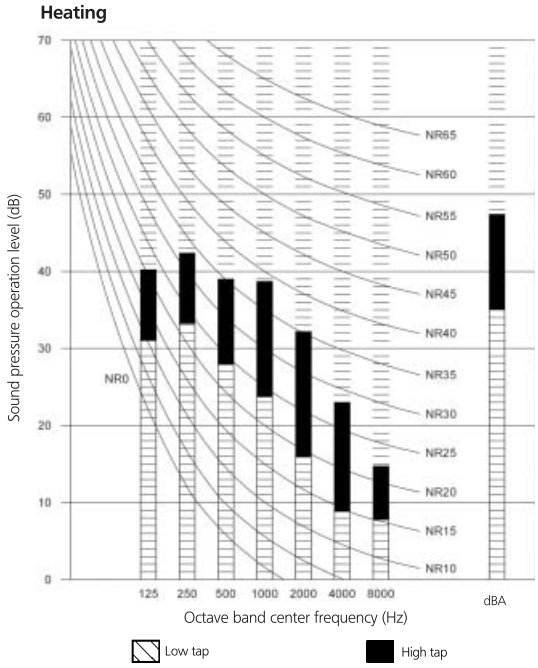
3D079466

11 Sound data

11 - 1 Sound Pressure Spectrum

FXFQ125A





NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20µPa
5 Curve for FXFQ125AVEB in cooling/heating mode.
6 Sound power level:

High tap
61 dB

3D079467

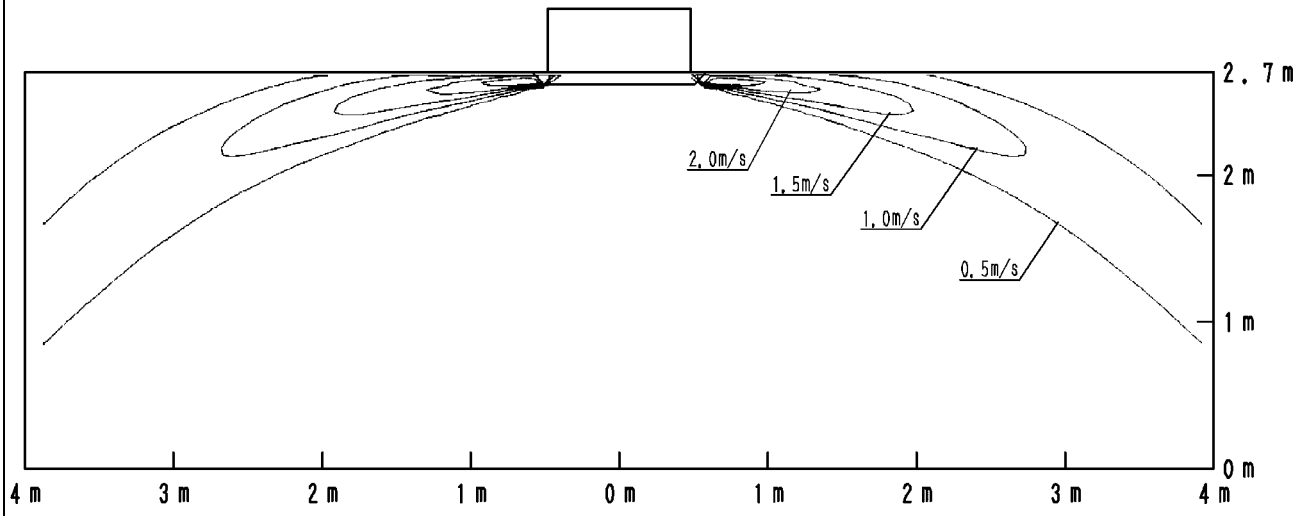
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ20-25A

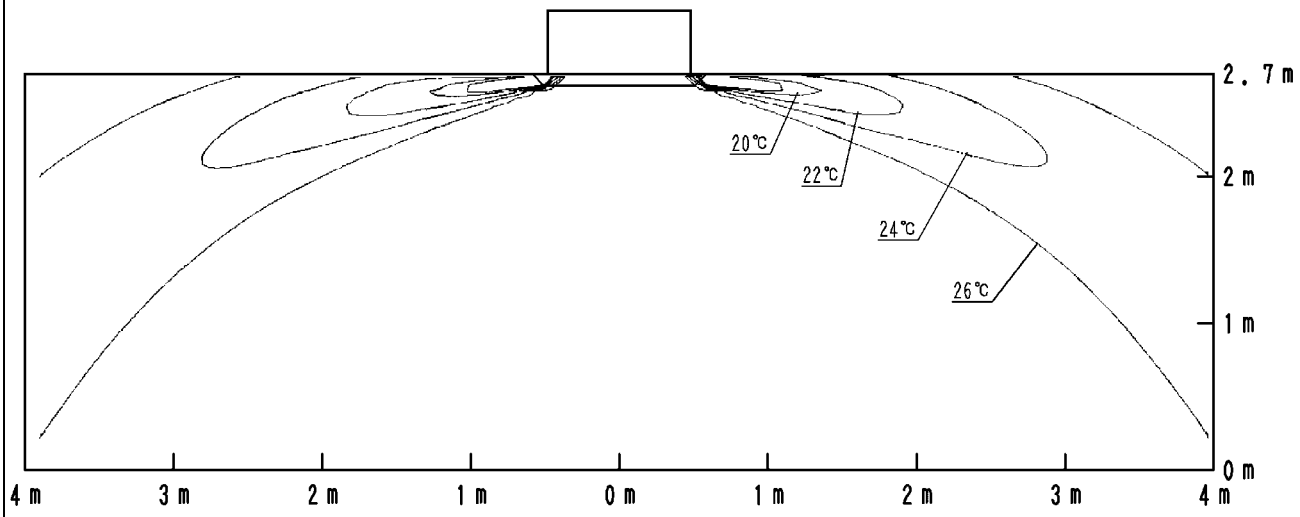
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077053A

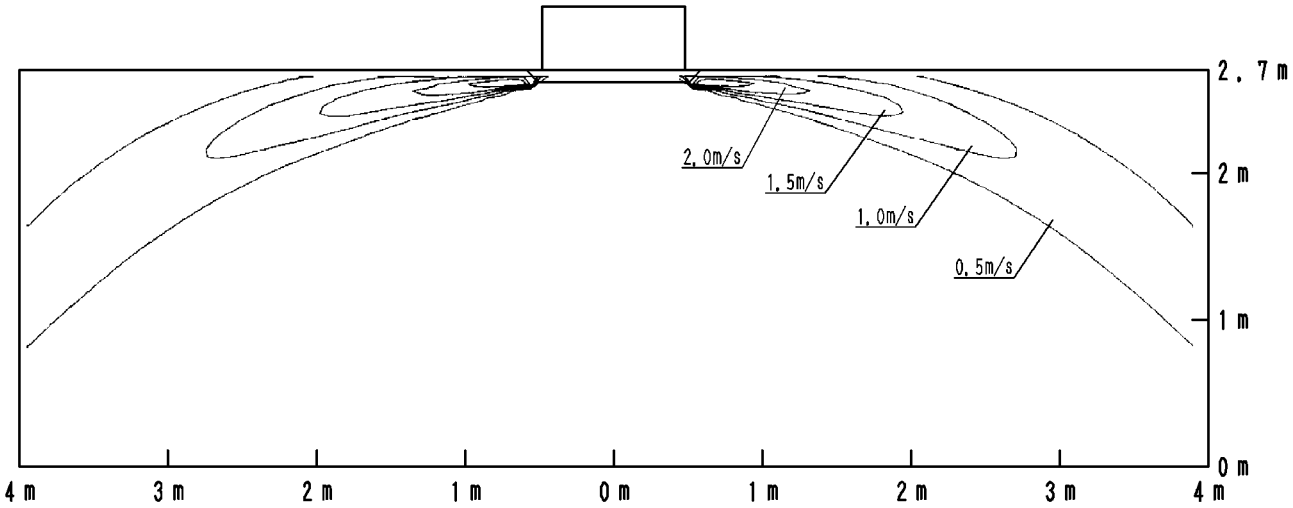
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ32A

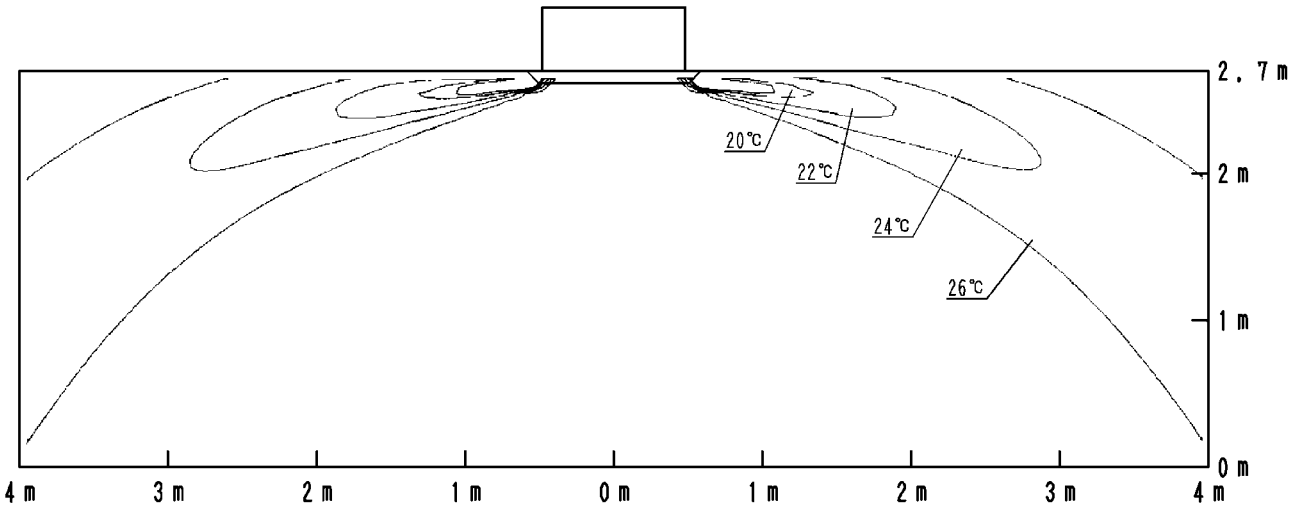
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D078684

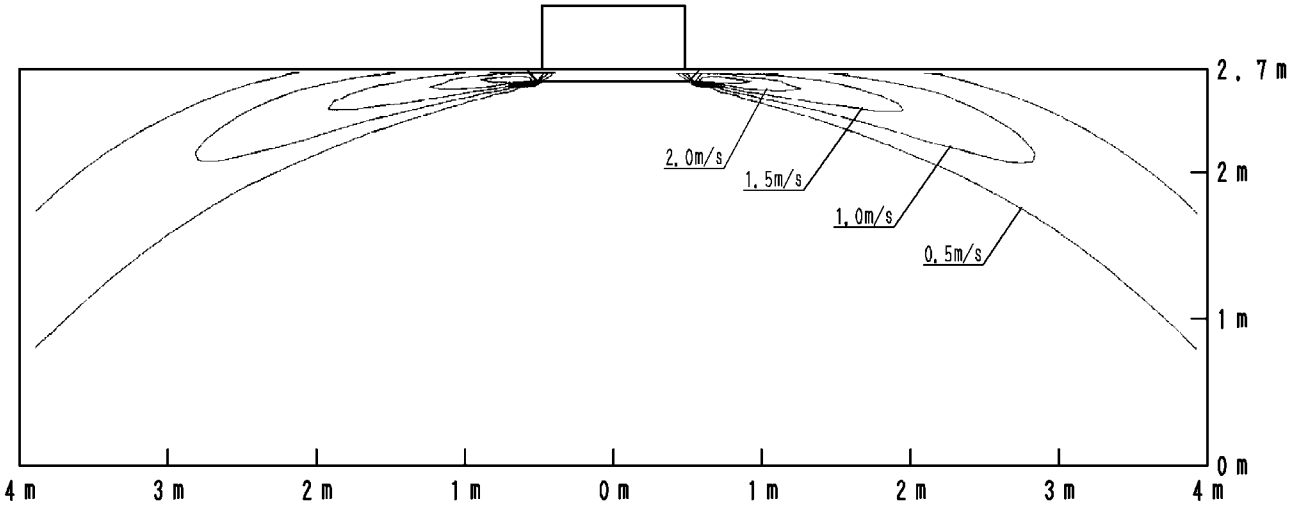
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ40A

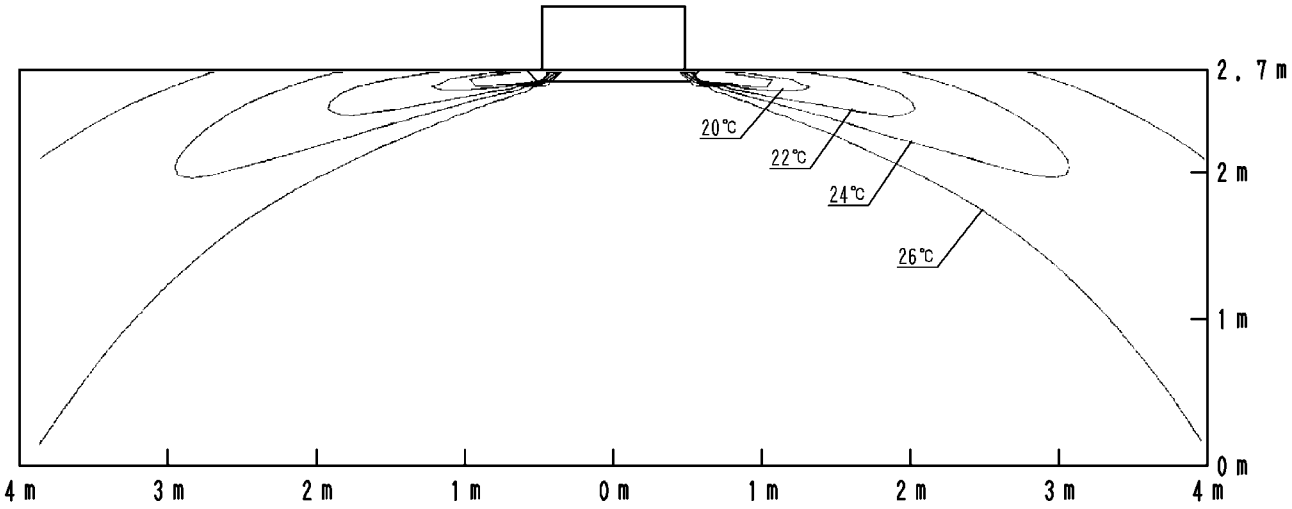
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077055A

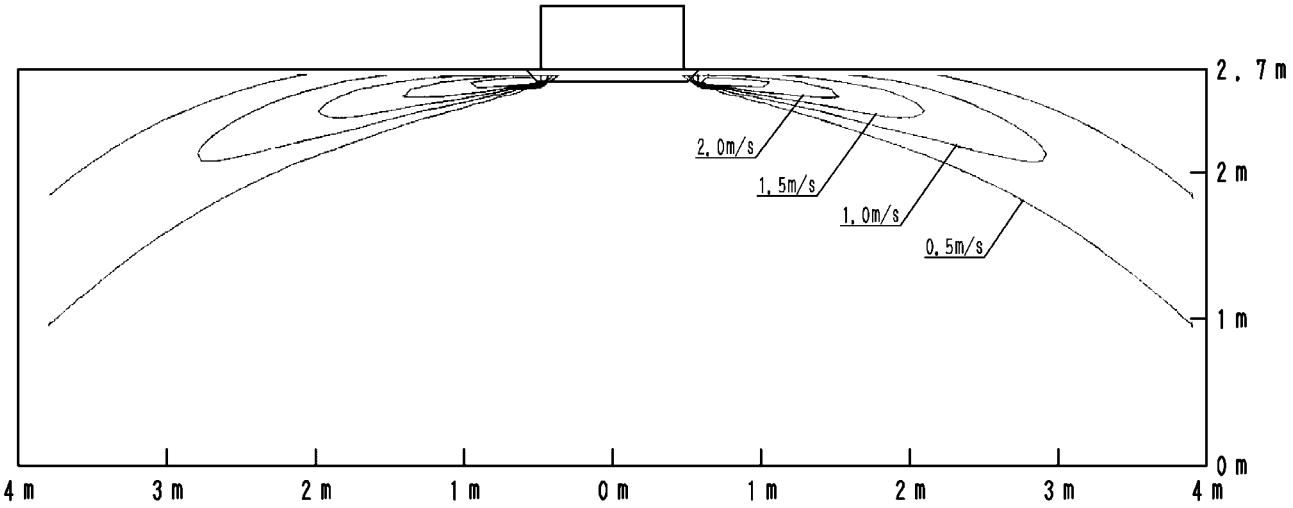
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ50A

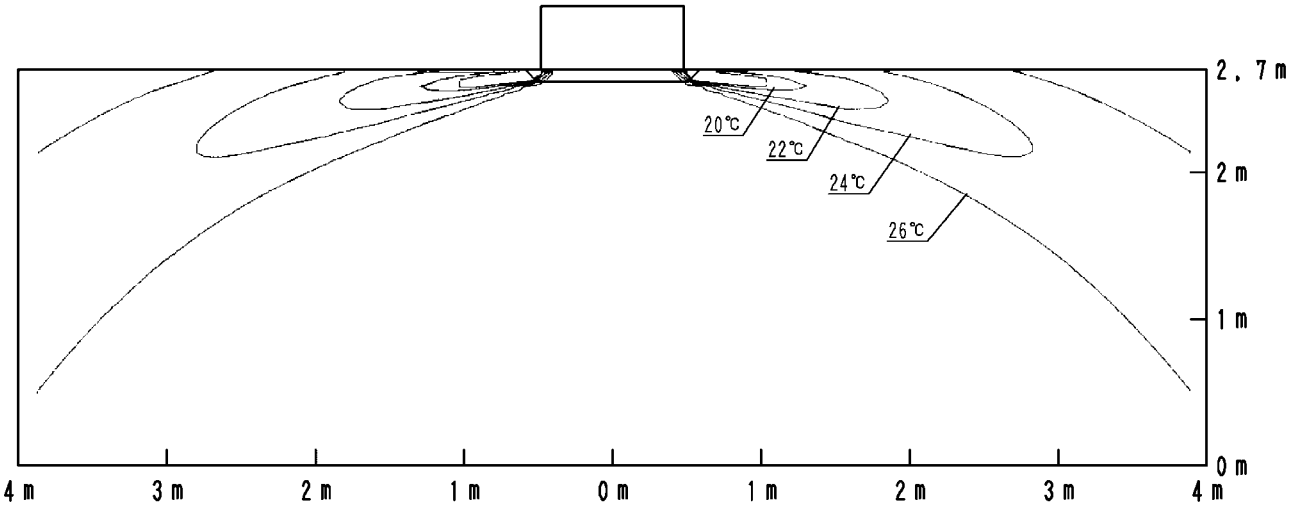
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077056A

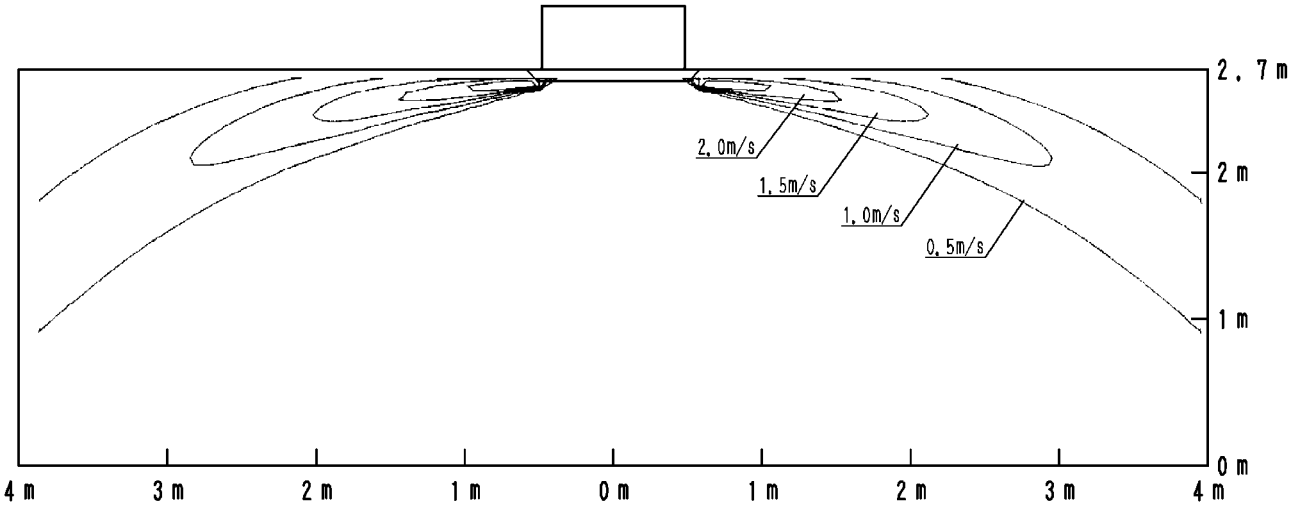
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ63A

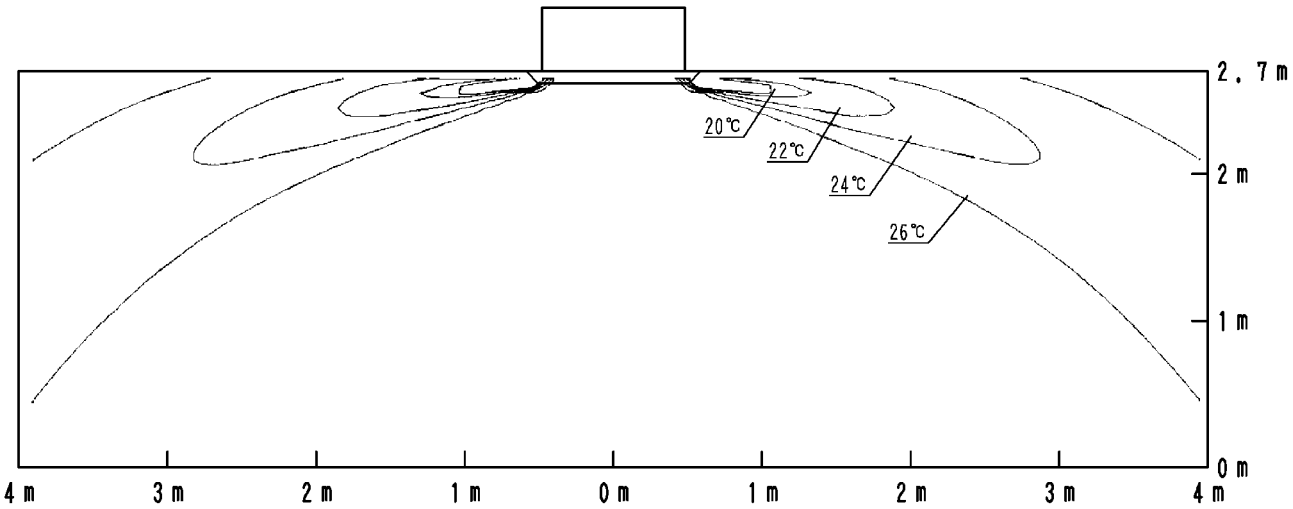
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D078685

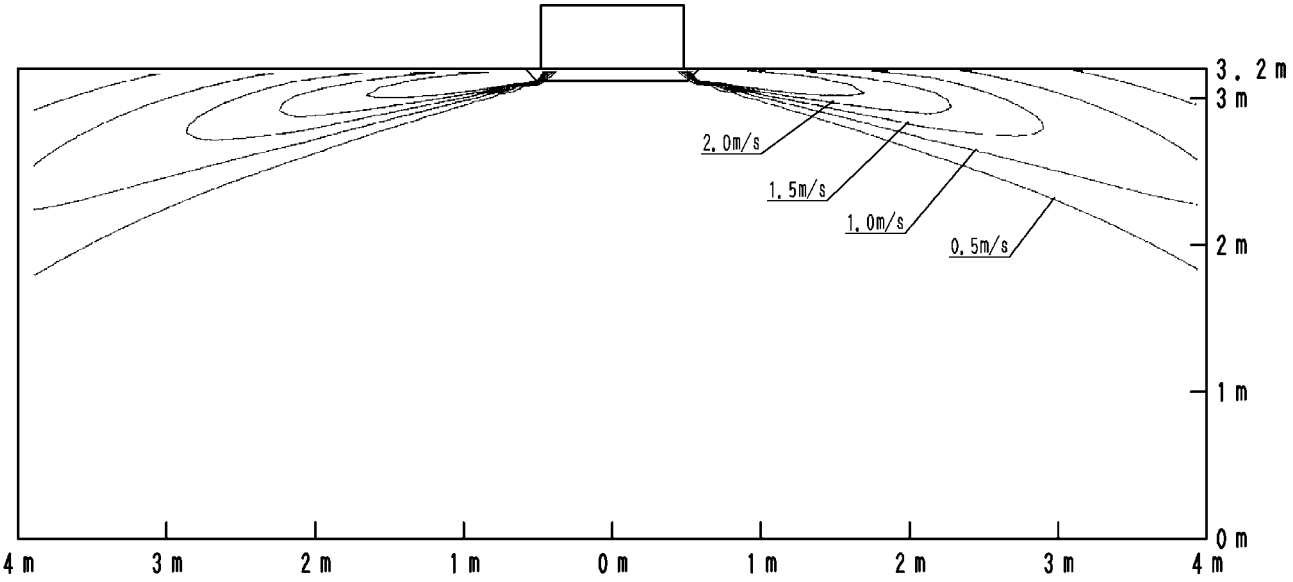
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ80A

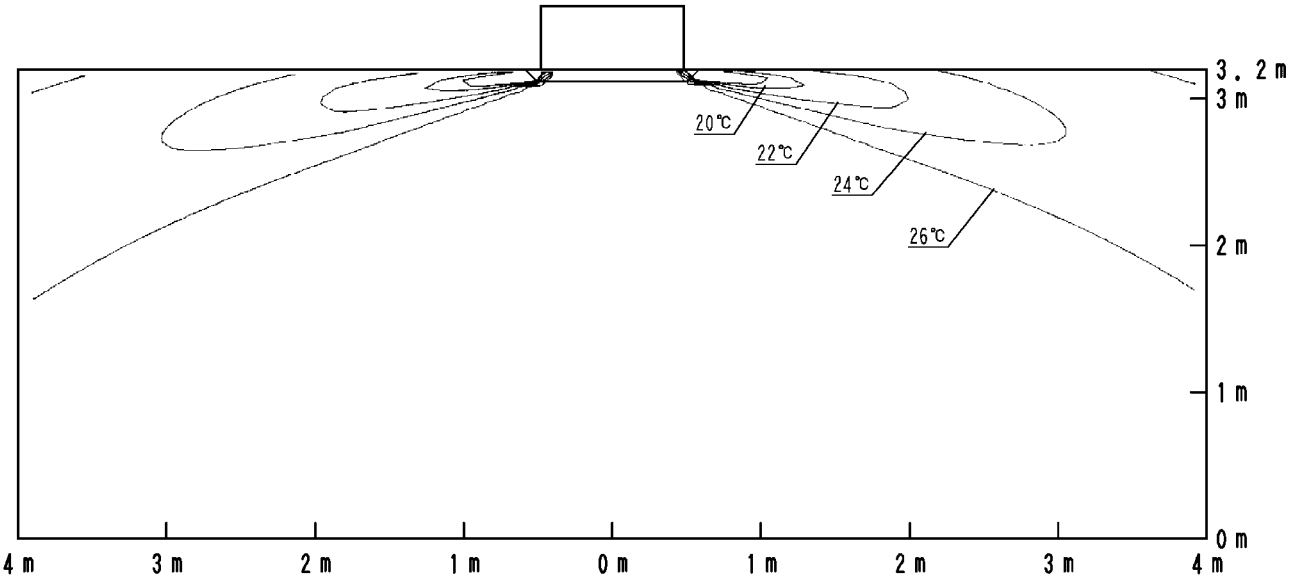
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077057A

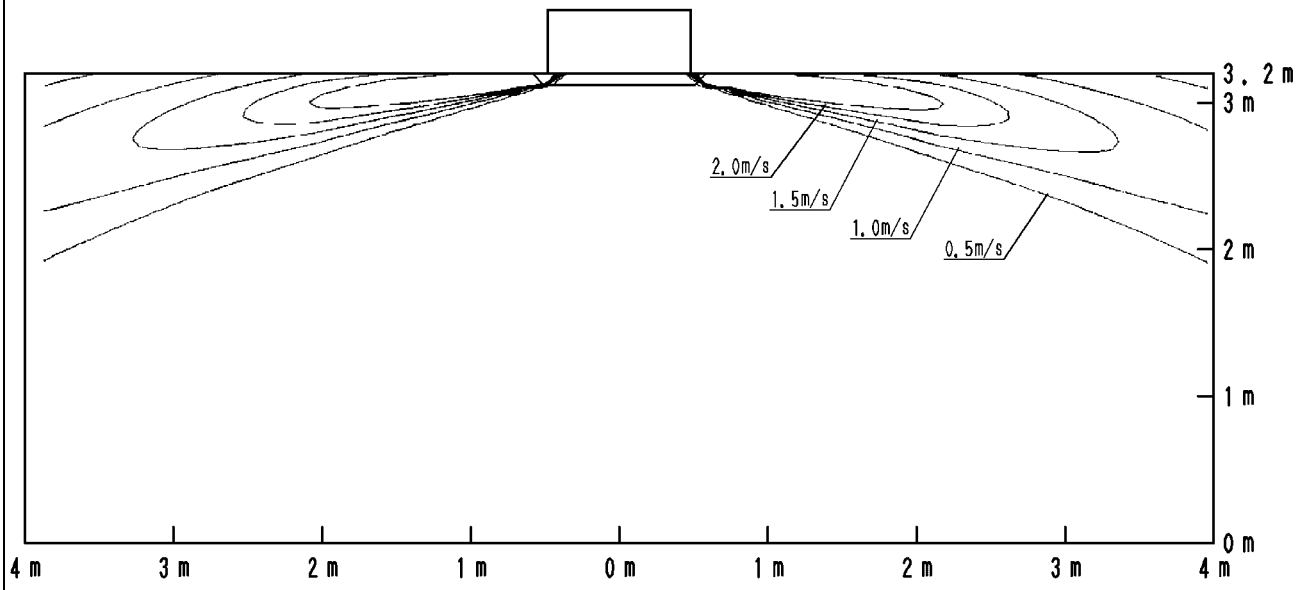
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ100A

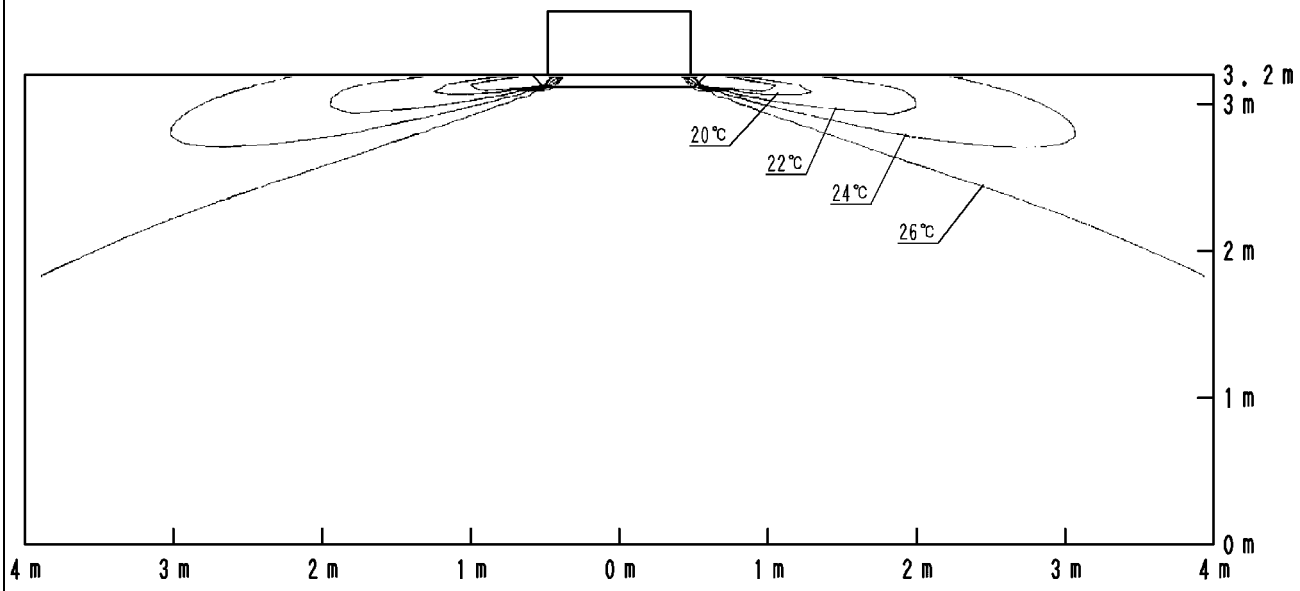
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077058A

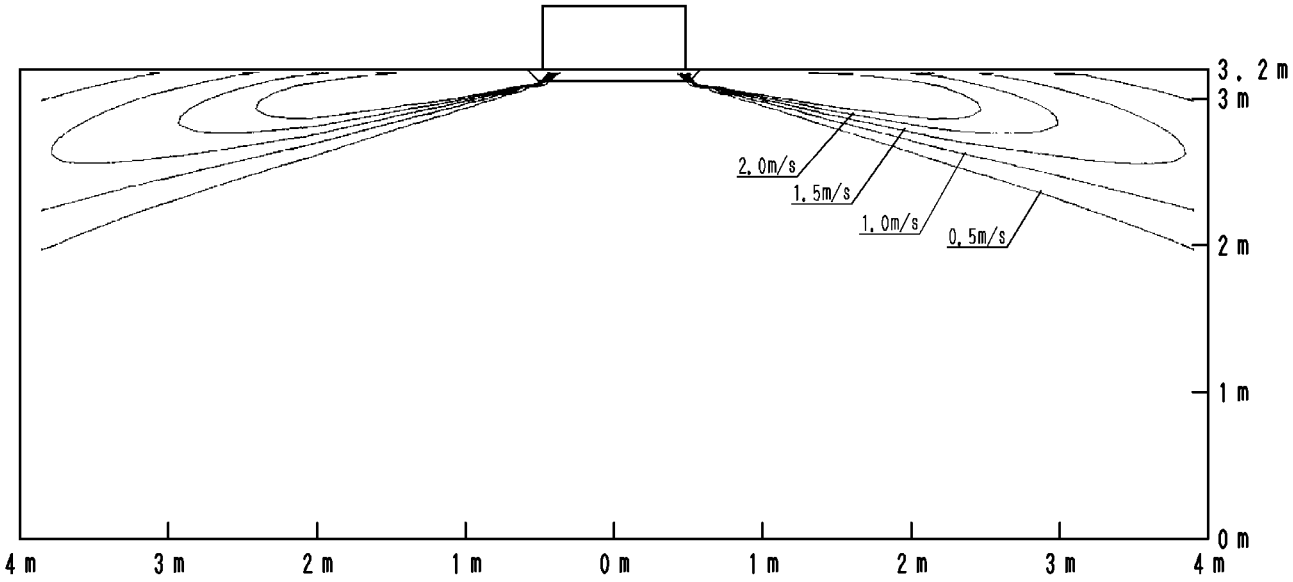
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ125A

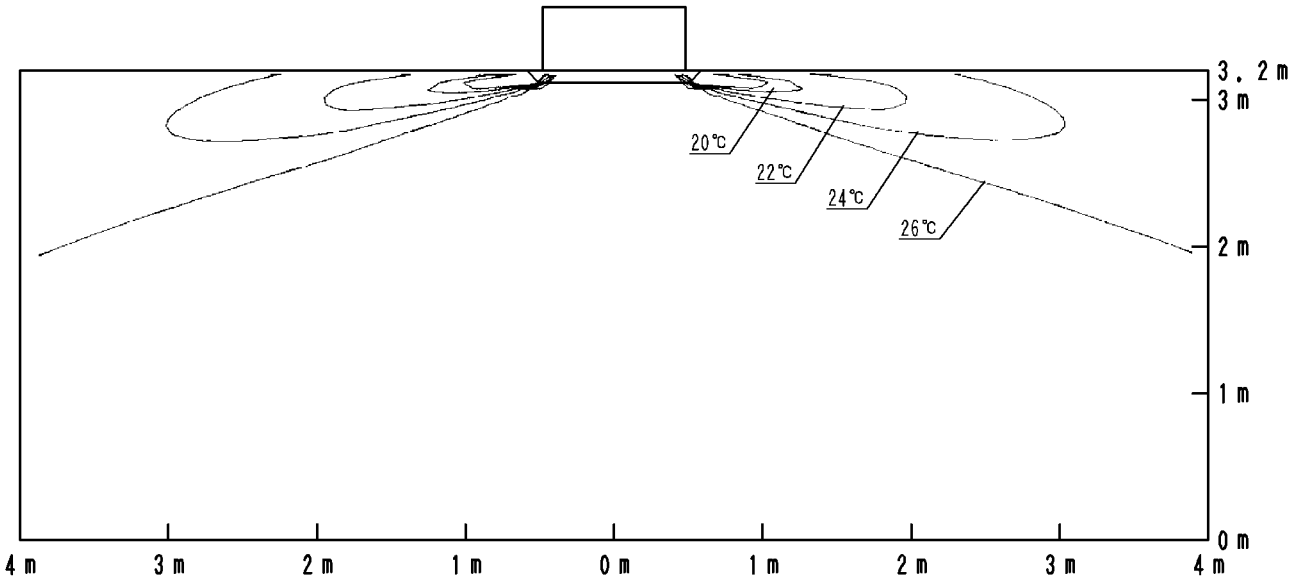
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077063A

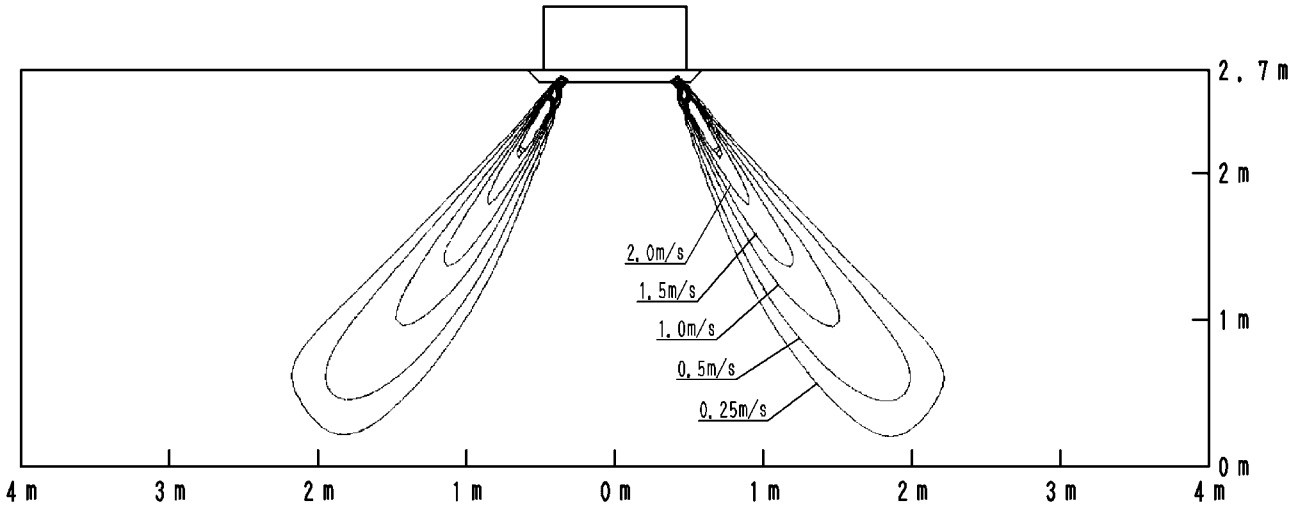
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ20-25A

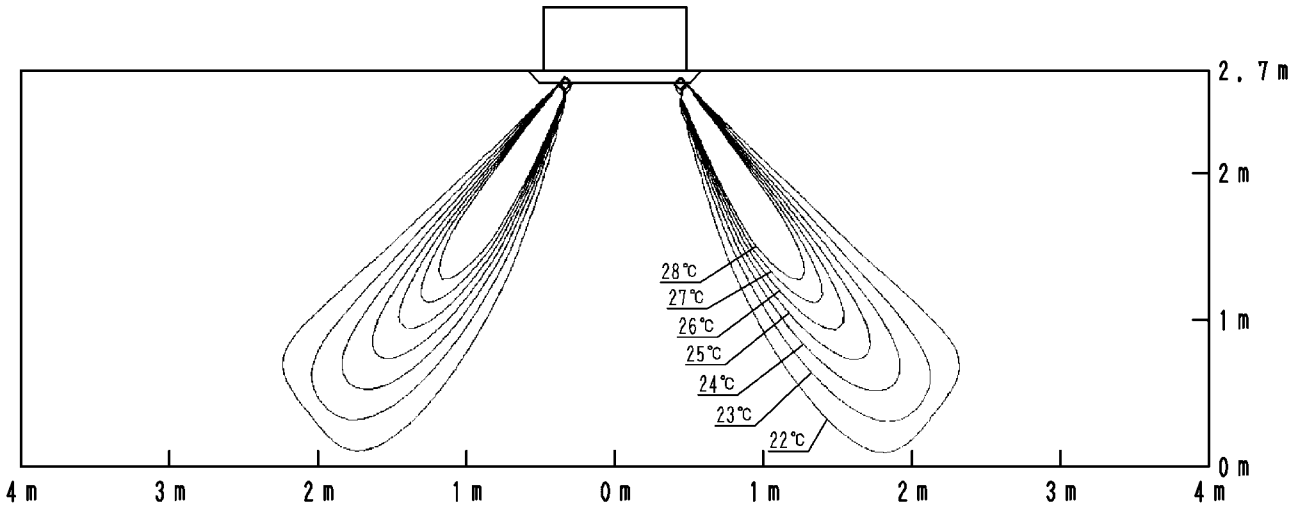
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077042A

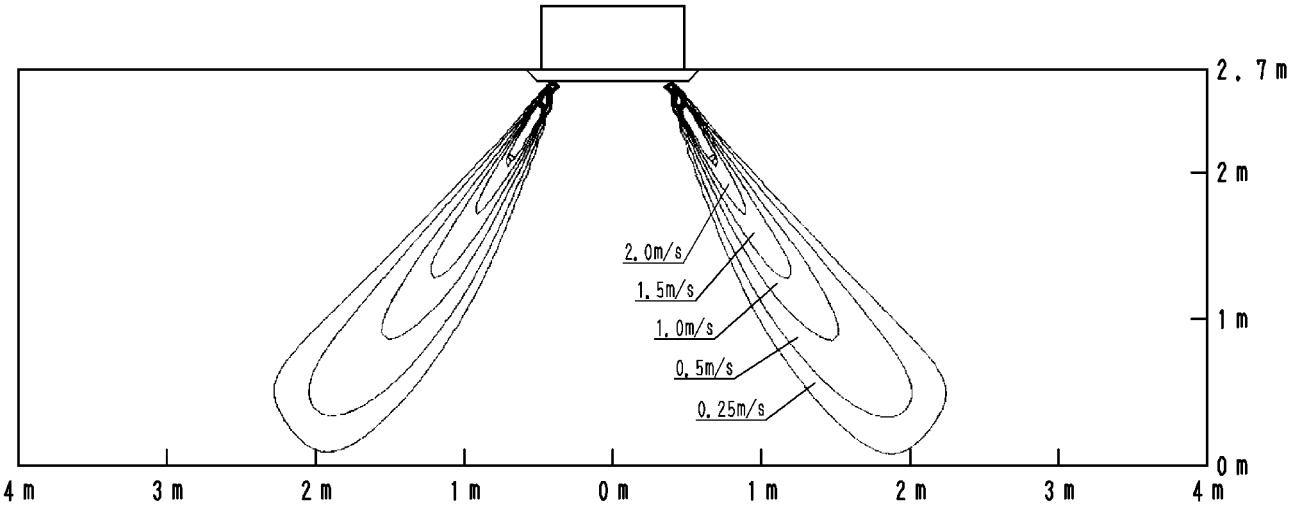
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ32A

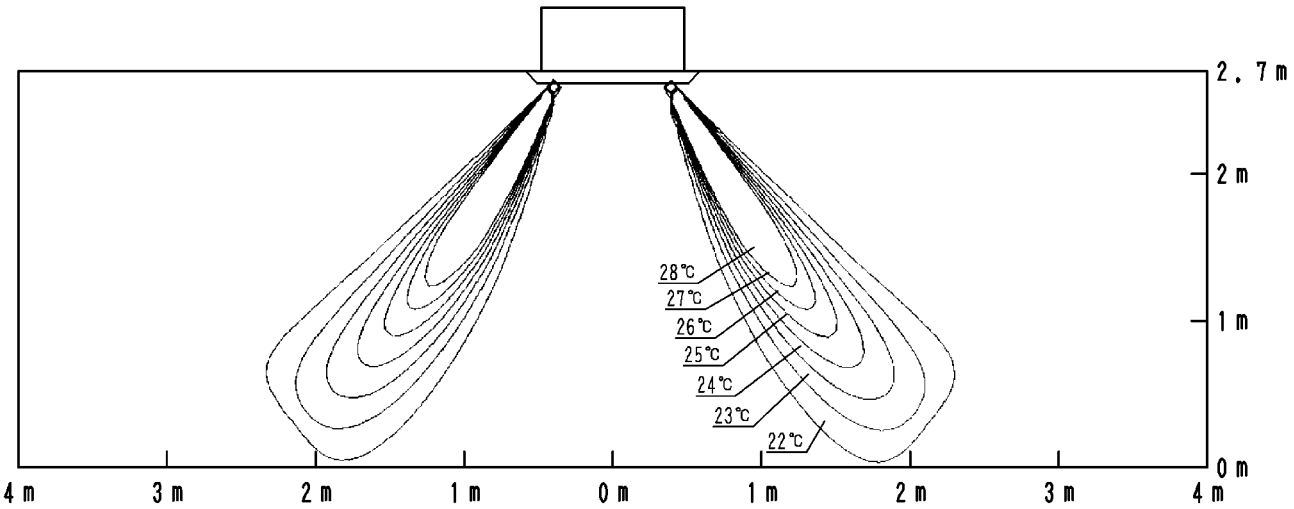
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D078683

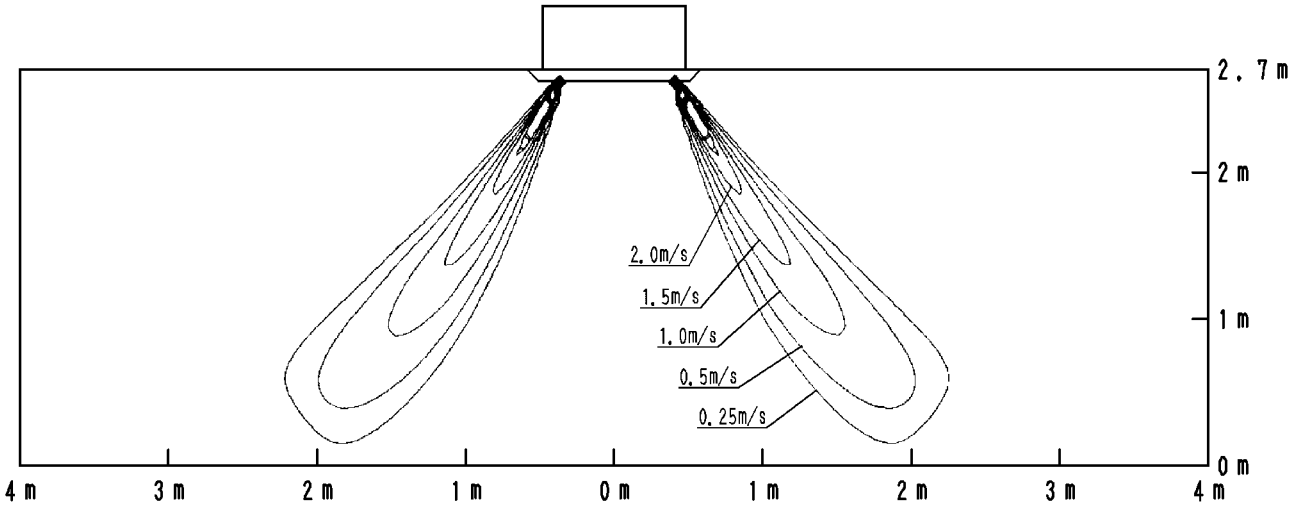
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ40A

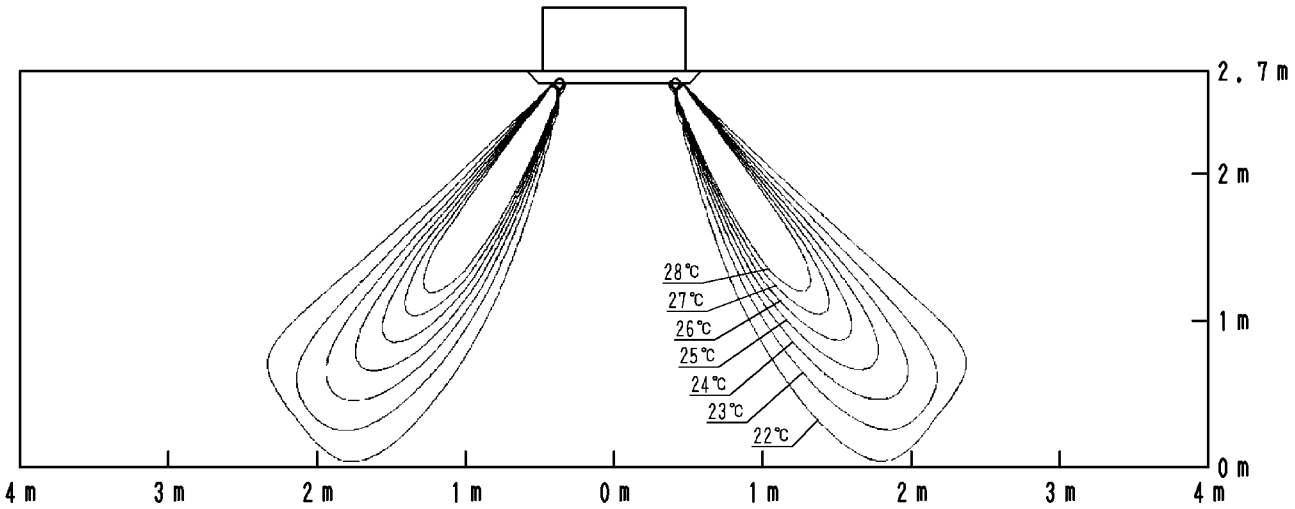
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077044A

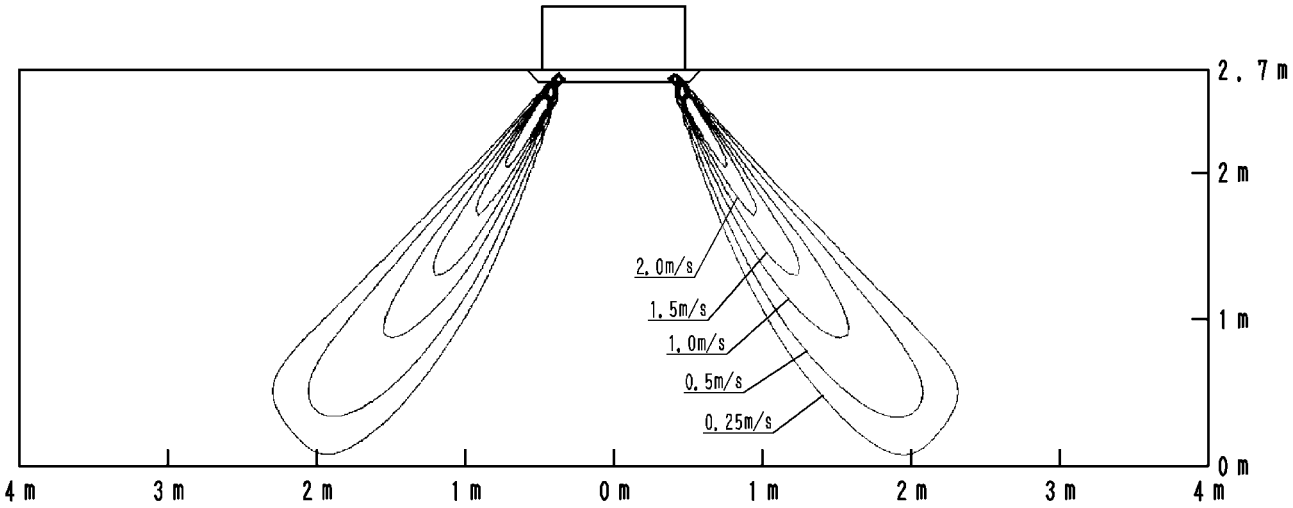
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ50A

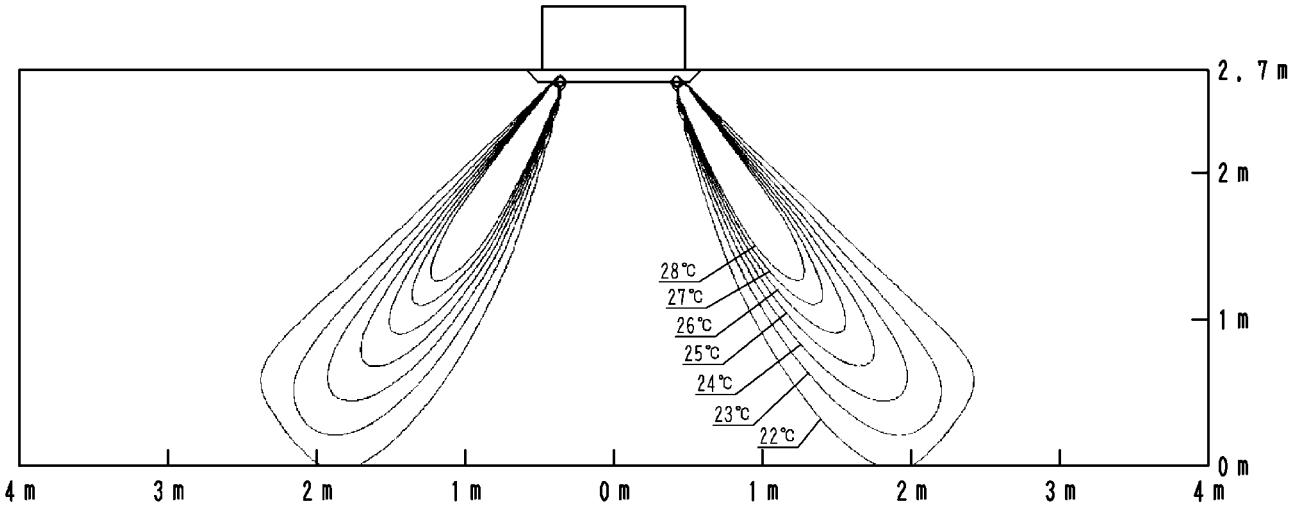
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077045A

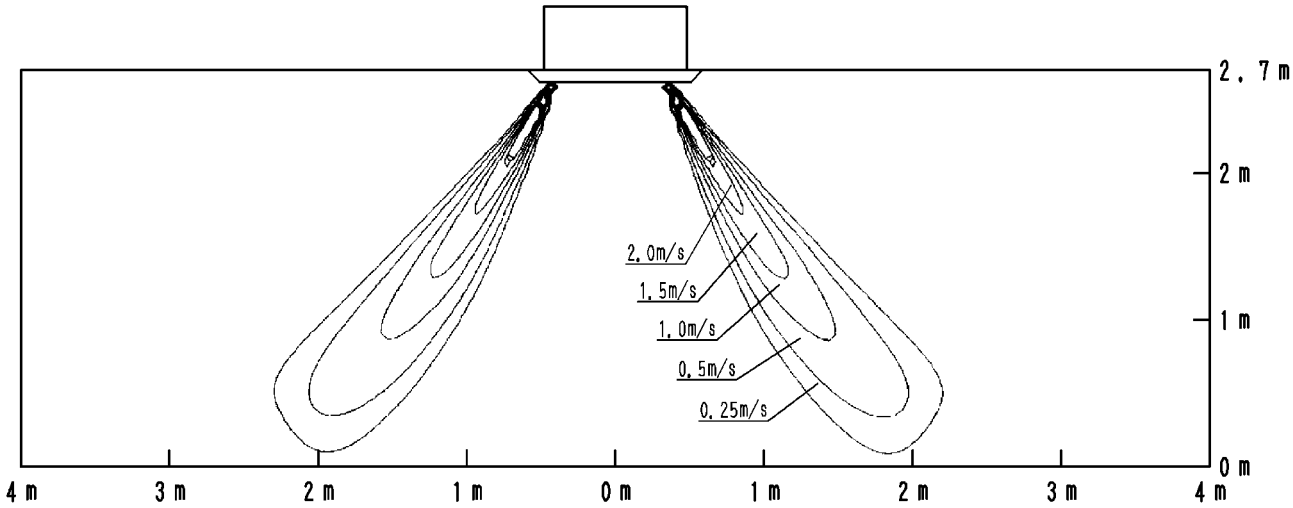
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ63A

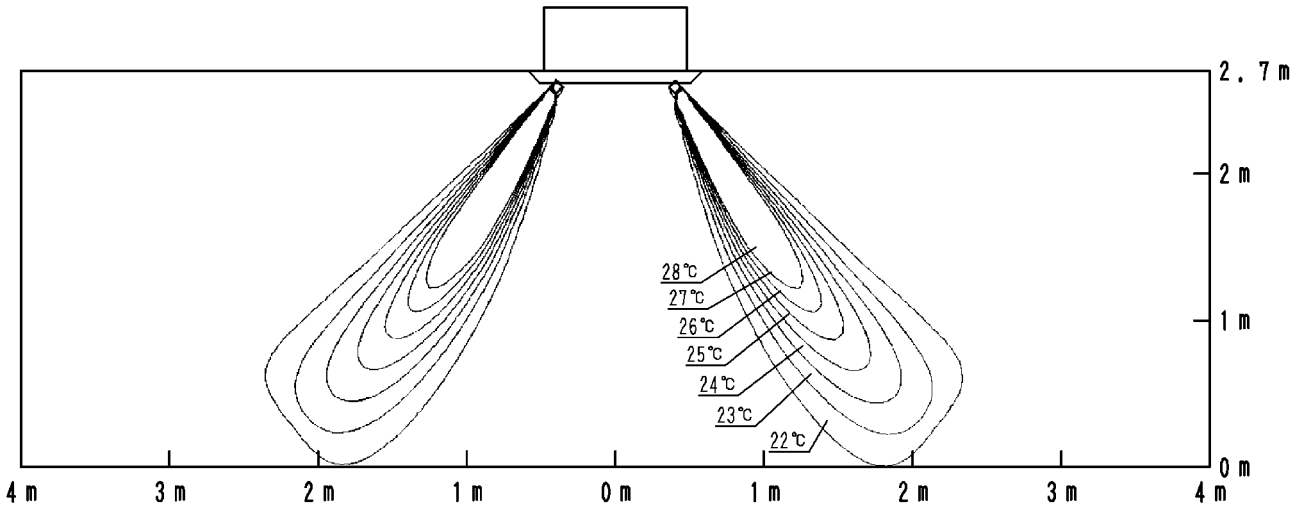
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D078686

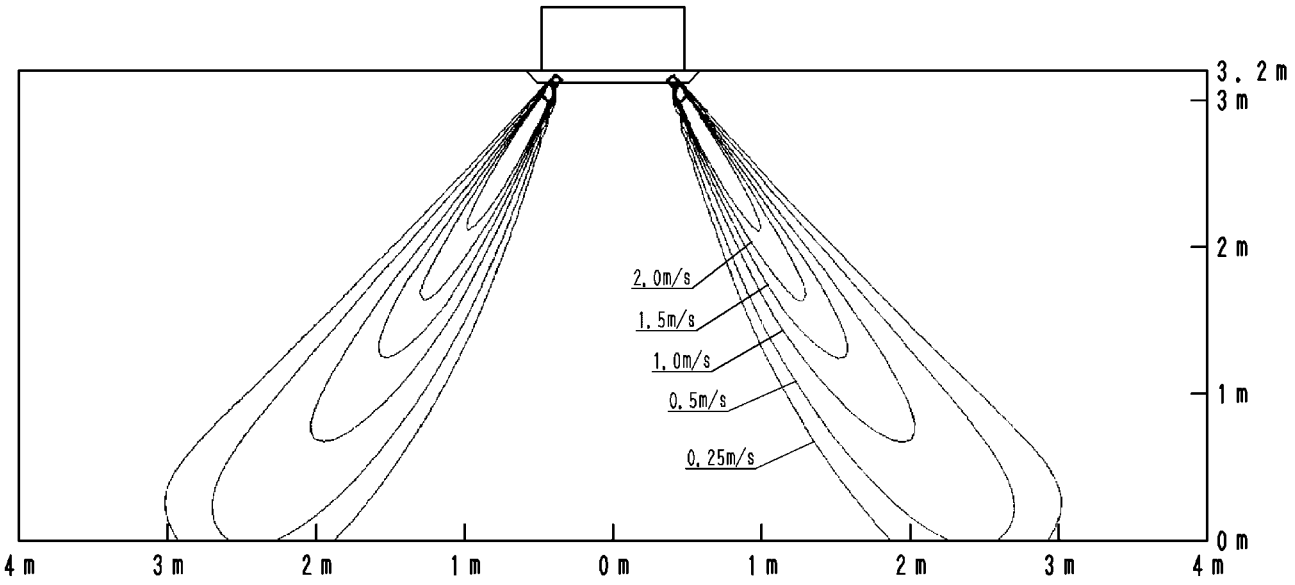
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ80A

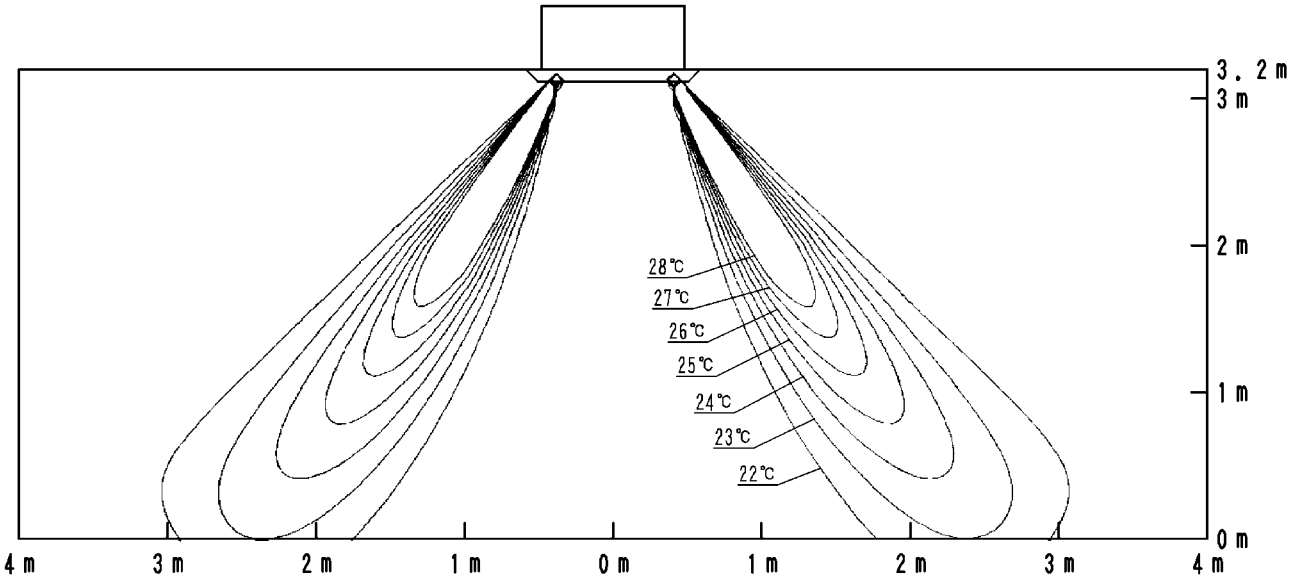
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077046A

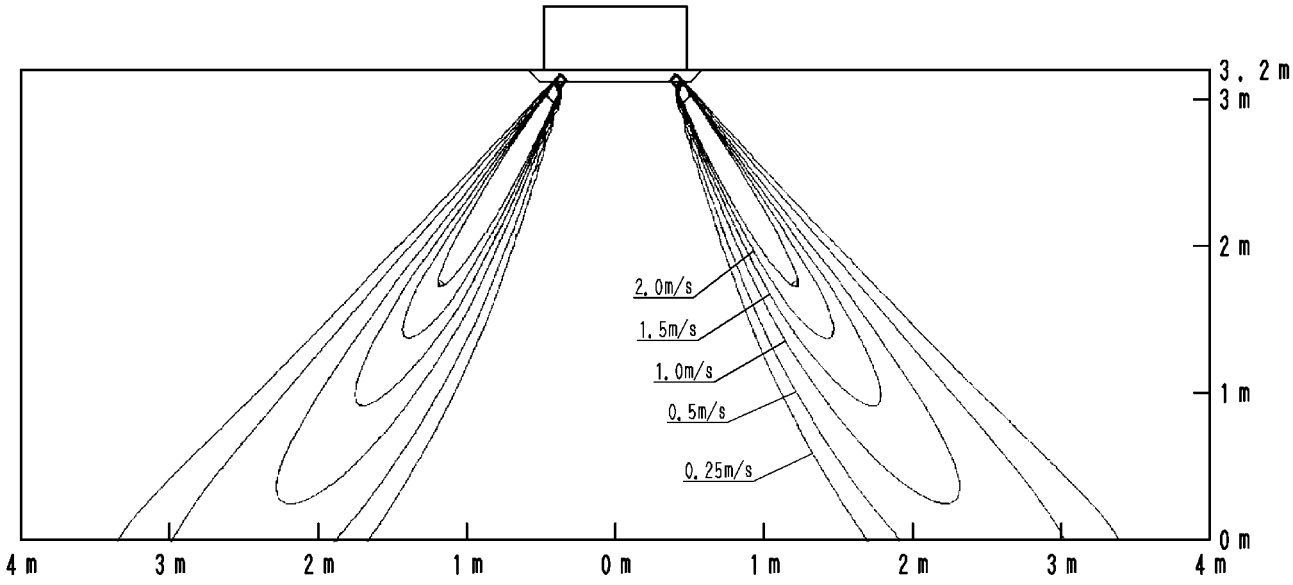
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ100A

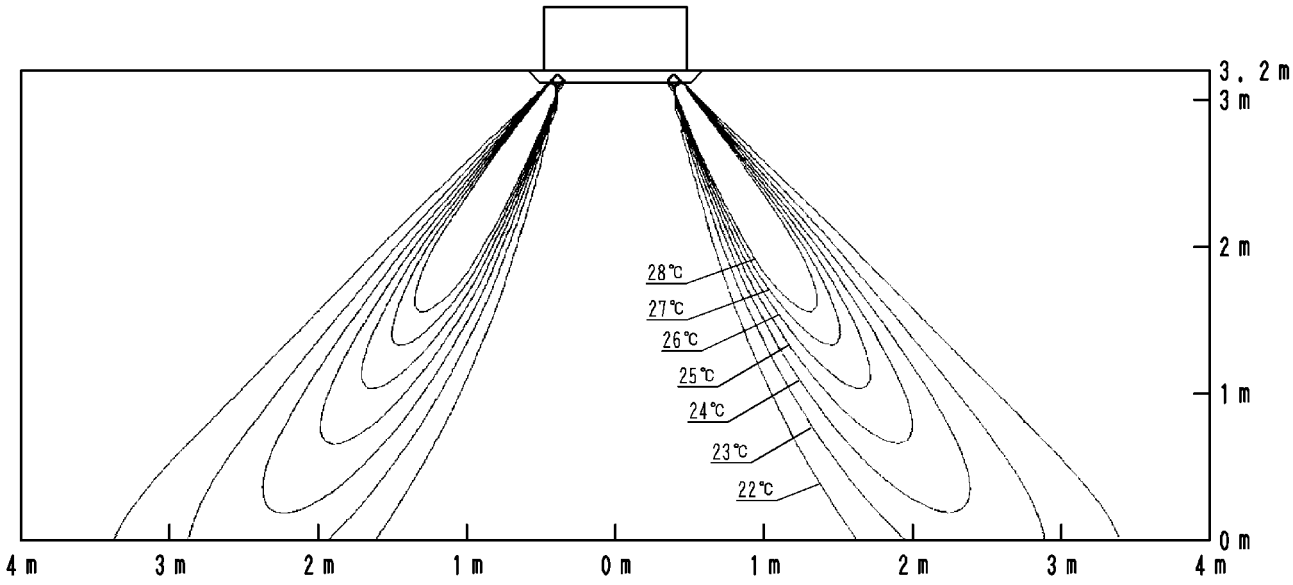
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077047A

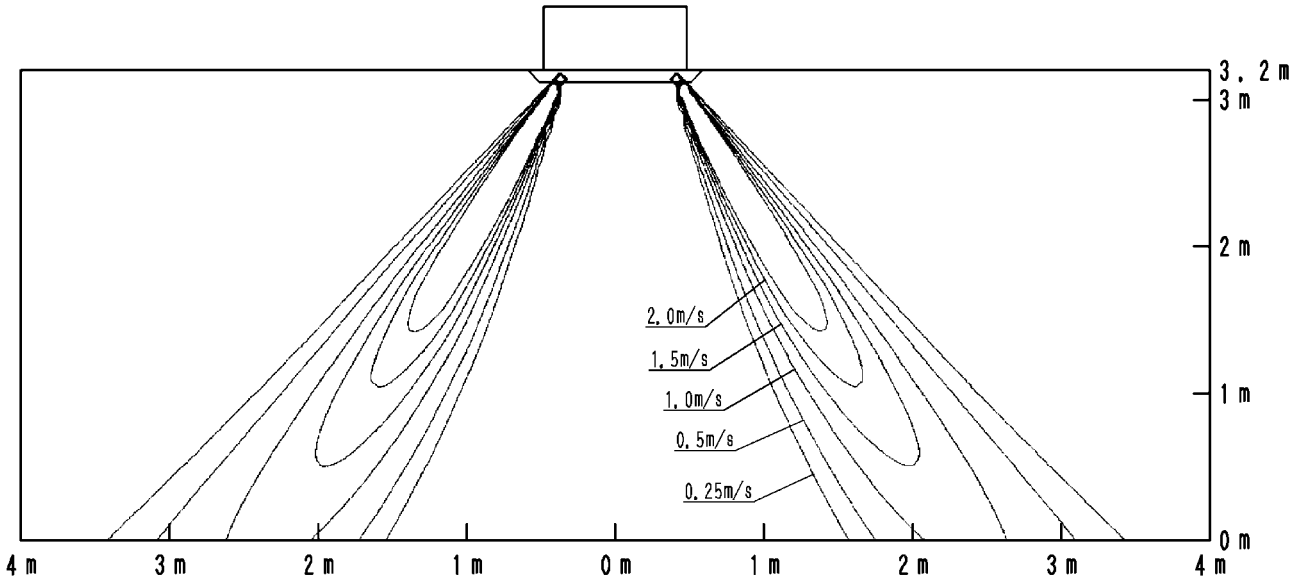
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ125A

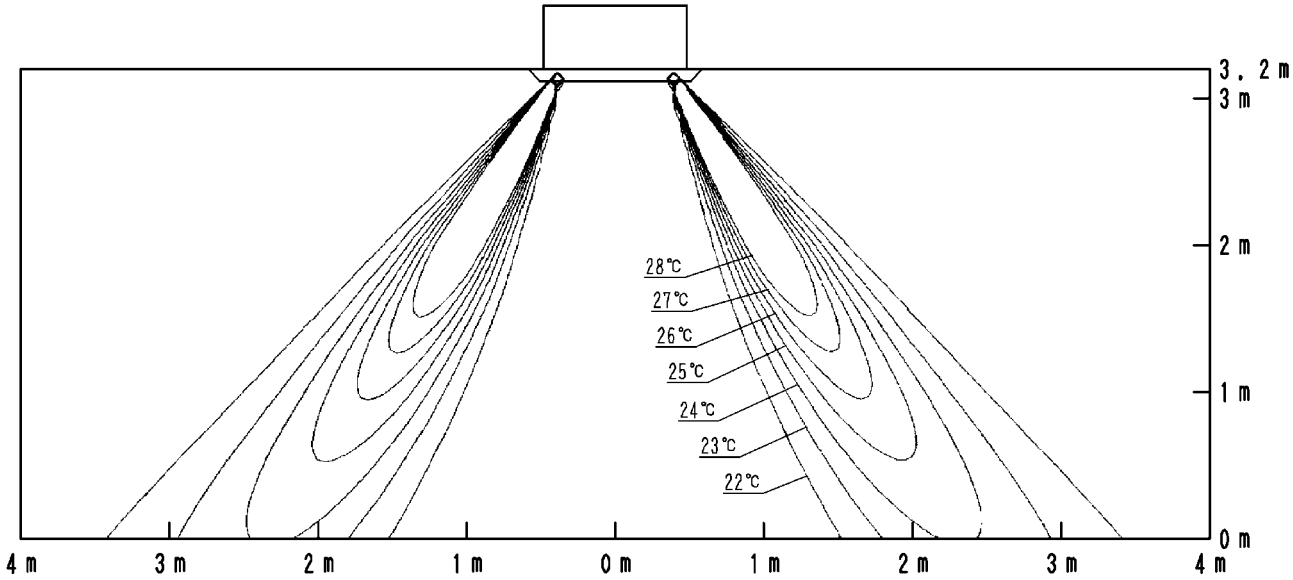
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077052A

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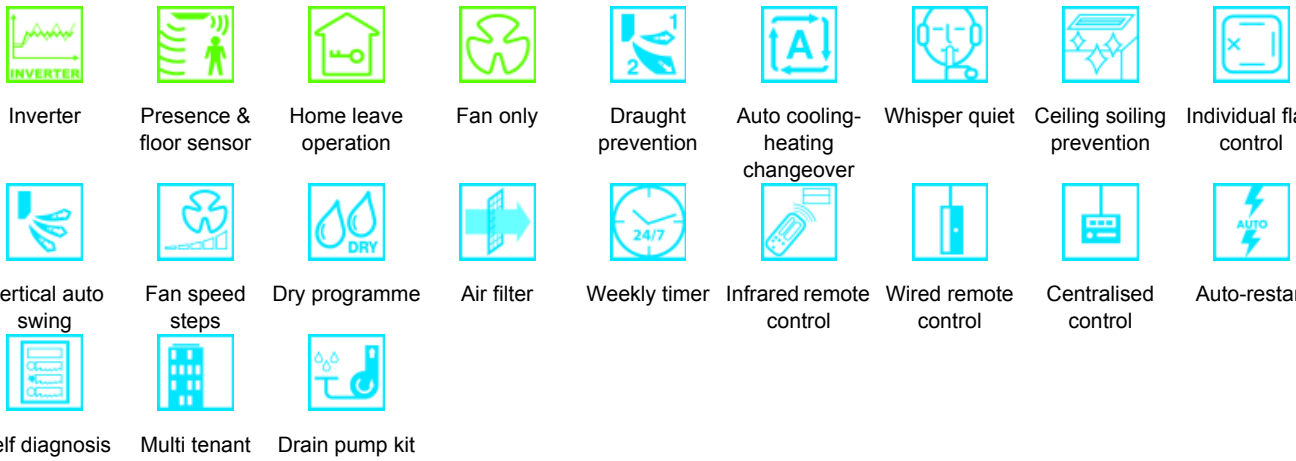
1 Features

Unique design in the market that integrates fully flat into the ceiling

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort. The presence sensor adjusts the set point if no one is detected in the room. It also automatically directs air flow away from any person to avoid draught. The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- With individual flap control one or more flaps can be easily controlled via the wired remote controller. If you want to fully close or block a flap when rearranging the room, the optional 'sealing member of air discharge outlet' will be needed.
- Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required
- Standard drain pump with 850mm lift increases flexibility and installation speed



2 Specifications

2-1 Technical Specifications					FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A
Cooling capacity	Nom.			kW	1.7 (1)	2.2 (1)	2.8 (1)	3.6 (1)	4.5 (1)	5.6 (1)
Heating capacity	Nom.			kW	1.9 (2)	2.5 (2)	3.2 (2)	4.0 (2)	5.0 (2)	6.3 (2)
Power input - 50Hz	Cooling	Nom.		kW	0.043			0.045	0.059	0.092
	Heating	Nom.		kW	0.036			0.038	0.053	0.086
Dimensions	Unit	Height		mm	260					
		Width		mm	575					
		Depth		mm	575					
	Packed unit	Height		mm	270					
		Width		mm	780					
		Depth		mm	616					
Weight	Unit			kg	15.5			16.5		18.5
	Packed unit			kg	18.5			19.5		21.5
Casing	Material				Galvanised steel plate					
Decoration panel	Model				BYFQ60CW					
	Colour				White (N9.5)					
	Dimensions	Height		mm	46					
		Width		mm	620					
		Depth		mm	620					
	Weight			kg	2.8					
Decoration panel 2	Model				BYFQ60CS					
	Colour				White (N9.5) + Silver					
	Dimensions	Height		mm	46					
		Width		mm	620					
		Depth		mm	620					
	Weight			kg	2.8					
Decoration panel 3	Model				BYFQ60B3W1					
	Colour				White (RAL9010)					
	Dimensions	Height		mm	55					
		Width		mm	700					
		Depth		mm	700					
	Weight			kg	2.7					
Heat exchanger	Inside length			mm	1,295					1,248
	Outside length			mm	1,342					
	Rows	Quantity			2					3
	Fin pitch			mm	1.2					
	Passes	Quantity			4			5		7
	Face area			m²	0.218			0.290		0.300
	Stages	Quantity			12			16		
	Empty tubeplate hole	Quantity			0					
	Fin	Type			Cross fin coil (multi slit fins and hi-XA tubes)					
Fan	Type				Turbo fan					
	Quantity				1					
	Air flow rate - 50Hz	Cooling	High	m³/min	8.5	8.7	9	10	11.5	14.5
			Nom.	m³/min	7	7.5	8	8.5	9.5	12.5
			Low	m³/min	6.5			7	8	10
		Heating	High	m³/min	8.5	8.7	9	10	11.5	14.5
			Nom.	m³/min	7	7.5	8	8.5	9.5	12.5
			Low	m³/min	6.5			7	8	10
Fan motor	Model				QTS32D15M					
	Speed	Steps			3					
	Output	High		W	50					
Air filter	Type				Resin net with mold resistance					
Sound power level	Cooling	High		dBA	49		50	51	54	60

2 Specifications

2-1 Technical Specifications				FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A
Sound pressure level	Cooling	High	dBA	31.5	32	33	33.5	37	43
		Nom.	dBA	28	29.5	30		32	40
		Low	dBA	25.5			26	28	33
	Heating	High	dBA	31.5	32	33	33.5	37	43
		Nom.	dBA	28	29.5	30		32	40
		Low	dBA	25.5			26	28	33
Refrigerant	Type			R-410A					
Piping connections	Liquid	Type		Flare connection					
		OD	mm	6.35					
	Gas	Type		Flare connection					
		OD	mm	12.7					
	Drain			VP20 (I.D. 20/O.D. 26)					
	Heat insulation			Foamed polystyrene/polyethylene					
	Sound absorbing insulation			Foamed Polyurethane					
Control systems	Infrared remote control			BRC7F530W (white panel) / BRC7EB530 (standard panel) / BRC7F530S (grey panel)					
	Simplified wired remote control for hotel applications			-					
	Wired remote control			BRC1D52 / BRC1E52A/B					

Standard Accessories : Operation manual; Quantity : 1;
Standard Accessories : Installation manual; Quantity : 1;
Standard Accessories : Drain hose; Quantity : 1;
Standard Accessories : Metal clamp for drain hose; Quantity : 1;
Standard Accessories : Washer for hanger bracket; Quantity : 8;
Standard Accessories : Screws; Quantity : 4;
Standard Accessories : Paper pattern for installation; Quantity : 1;
Standard Accessories : Insulation for fitting; Quantity : 2;
Standard Accessories : Sealing pad; Quantity : 4;
Standard Accessories : Clamps; Quantity : 7;

2-2 Electrical Specifications				FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A
Power supply	Name			VE					
	Phase			1~					
	Frequency		Hz	50					
	Voltage		V	220-240					
Voltage range	Min.		%	10					
	Max.		%	10					
Current - 50Hz	Minimum circuit amps (MCA)		A	0.3			0.4		0.6
	Maximum fuse amps (MFA)		A	16					
	Full load amps (FLA)	Total	A	0.2			0.3		0.5

Notes

(1) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB

Dimensions do not include control box

The sound power level is an absolute value indicating the power which a sound source generates.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 16A

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

3 Electrical data

3 - 1 Electrical Data

FXZQ-A

Units				Power supply		IFM	Input (W)	
Model	Hz	Volts	Voltage range	MCA	MFA	FLA	Cooling	Heating
FXZQ15A	50	220-240	Max. 264 Min. 198	0.3	16	0.2	43	36
FXZQ20A				0.3	16	0.2	43	36
FXZQ25A				0.3	16	0.2	43	36
FXZQ32A				0.4	16	0.3	45	38
FXZQ40A				0.4	16	0.3	59	53
FXZQ50A				0.6	16	0.5	92	86

Symbols:
MCA: Min. Circuit Amps
MFA: Max. Fuse Amps (see note 5)
FLA: Full Load Amps (A)
IFM: Indoor Fan Motor

NOTES

1 Voltage range:
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

2 Maximum allowable voltage unbalance between phases is 2%.

3 MCA/MFA
MCA = 1.25 x FLA
MFA ≦ 4 x FLA
(next lower standard fuse rating min. 16A)

4 Select wire size based on the MCA.

5 Instead of fuse, use circuit breaker.

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4 Safety device settings

4 - 1 Safety Device Settings

FXZQ-A

Safety devices		FXZQ-A
Fuse		250V 3,15A (ON PCB BOARD)
Fan motor thermal fuse	°C	---
Fan motor thermal protector	°C	---
Drain pump fuse	°C	---

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5 Options

5 - 1 Options

FXZQ-A

		Compatibility			SA	VRV
Description	new / exist	BYFQ60B2W1 BYFQ60B3W1	BYFQ60C2W1W	BYCQ60C2W1S	model name	
Decoration panel (current)	NEW	-	-	-	BYFQ60B3W1	-
New decoration panel (white)	NEW	-	-	-	BYFQ60C2W1W	-
New decoration panel (silver)	NEW	-	-	-	BYFQ60C2W1S	-
Sensor kit (white)	NEW	No	Yes	No	BRYQ60A2W (*3)	-
Sensor kit (silver)	NEW	No	No	Yes	BRYQ60A2S (*3)	-
Sealing member of air discharge outlet	NEW	Yes	Yes	Yes	BDBHQ44C60	-
Panel spacer	exist	Yes	No	No	KDBQ44B60	-
Replacement long life filter	exist	Yes	Yes	Yes	KAFQ441BA60	-
Fresh air intake kit	exist	Yes	Yes	Yes	KDDQ44XA60	-
Infrared remote control (H/P)	NEW	Yes	No	No	BRC7EB530W (*1,2)	-
Infrared remote control (H/P)	NEW	No	Yes	No	BRC7F530W (*1,2)	-
Infrared remote control (H/P) (white)	NEW	No	No	Yes	BRC7F530S (*1,2)	-
Infrared remote control (H/P) (silver)	NEW	Yes	Yes	Yes	BRC1D528 (*2)	-
Wired remote control	exist	Yes	Yes	Yes	BRC1E52A7 + B7 (*4)	-
Wired remote control	exist	Yes	Yes	Yes	BRC2E52C (*5)	-
Simplified remote control (with operation mode selector button)	NEW	Yes	Yes	Yes	BRC3E52C (*5)	-
Central remote control	exist	Yes	Yes	Yes	DCS302B51	-
Unified on/off control	exist	Yes	Yes	Yes	DCS301B51	-
Schedule timer	exist	Yes	Yes	Yes	DST301B51	-
Wiring adapter for electrical appendices	exist	Yes	Yes	Yes	KRP1B57	-
Wiring adapter for electrical appendices	exist	Yes	Yes	Yes		KRP2A526
Wiring adapter for electrical appendices	exist	Yes	Yes	Yes	KRP4A53	-
Wiring adapter (hour meter)	exist	Yes	Yes	Yes	EKRP1B2	-
Installation box for adapter PCB	exist	Yes	Yes	Yes	KRP1B101, KRP1BA101	-
Remote sensor	exist	Yes	Yes	Yes	KRCS01-4B	-
Option PCB for Multi tenant	exist	Yes	Yes	Yes		DTA114A61
I-touch controller	exist	Yes	Yes	Yes	DCS601C51	-
Digital input adapter	NEW	Yes	Yes	Yes	BRP7A53	-

NOTES

(*1) Sensing function not available
(*2) Independently controllable flaps function not available
(*3) Sensor kit option not applicable with RR and RQ models
(*4) Independently controllable flaps function not available in combination RR and RQ models
(*5) Included languages are:
Language pack - 1: English, German, French, Dutch, Spanish, Italian and Portuguese.
With PC cable - EKPCCAB3 - in combination with the Updater PC software, you can additionally change the language to:
Language pack - 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian.
Language pack - 3: English, Greek, Polish, Russian, Serbian, Slovak and Turkish.
(*6) Only possible in combination with simplified remote control BRC2/3E52C
(*7) Requires installation box for adapter PCB.

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXZQ-A

TC: Total capacity: kW
SHC: Sensible heat capacity: kW

Unit size	Outdoor°CDB	14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	35.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.4	1.8	1.4	1.8	1.3	1.9	1.2
20	35.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.4	1.6	2.4	1.5
25	35.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.0	1.9	3.1	1.8
32	35.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	3.9	2.3	4.0	2.2
40	35.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.7	3.3	4.9	3.1	5.0	3.0
50	35.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.0	4.0	6.2	3.9

3TW31612-1

6 Capacity tables

6 - 2 Heating Capacity Tables

FXZQ-A

Unit size	Outdoor air temp.		Indoor air temp.: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
15	7.0	6.0	2.0	2.0	1.9	1.8	1.8	1.7
20	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
25	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
32	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
40	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
50	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5

3TW31612-2

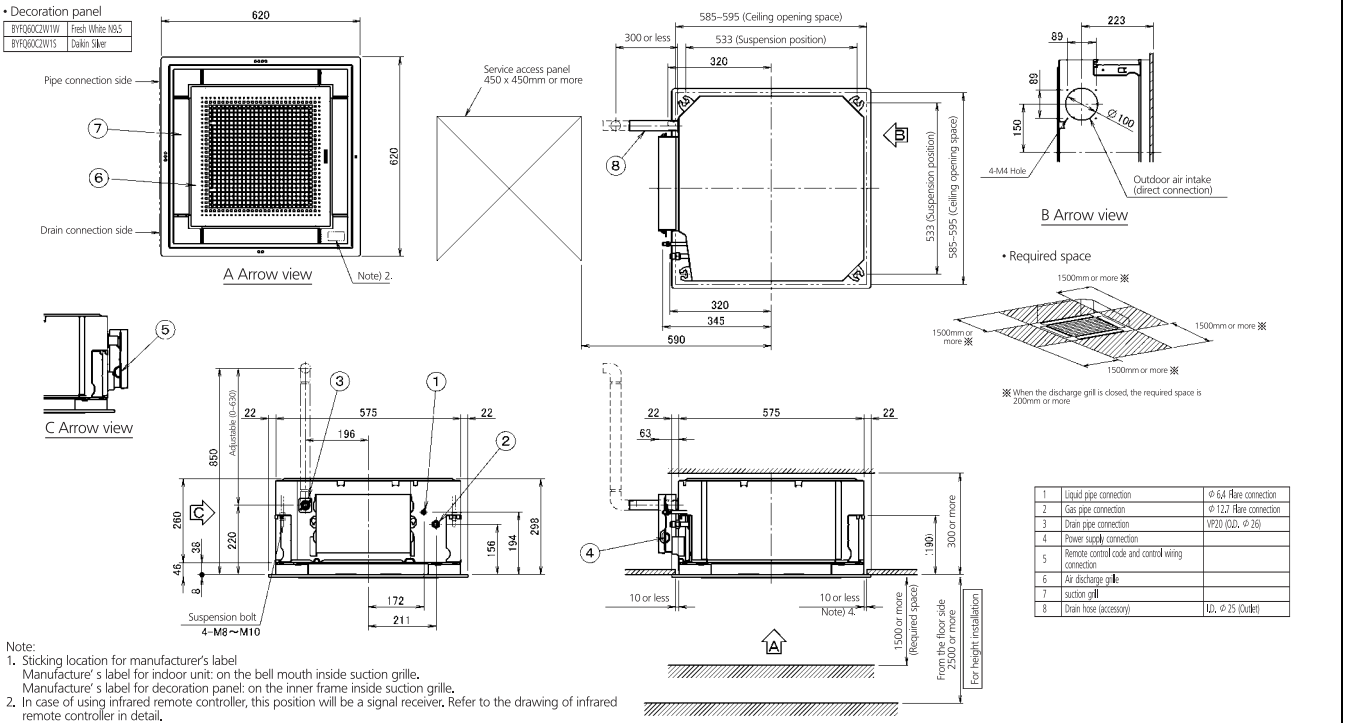
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXZQ-A

• Decoration panel

BYFQ60C2W1W	Fresh White M9.5
BYFQ60C2W1S	Daikin Silver



1	Liquid pipe connection	Φ 6.4 Flare connection
2	Gas pipe connection	Φ 12.7 Flare connection
3	Drain pipe connection	VP20 (O.D. Φ 26)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge grille	
7	suction grill	
8	Drain hose (accessory)	I.D. Φ 25 (Outlet)

Note:
1. Sticking location for manufacturer's label
   Manufacture' s label for indoor unit: on the bell mouth inside suction grille.
   Manufacture' s label for decoration panel: on the inner frame inside suction grille.
2. In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more glasswool or polyethylene form) is required.
4. Though the installation is acceptable up to maximum of 595mm square ceiling opening, Keep the clearance of 10mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

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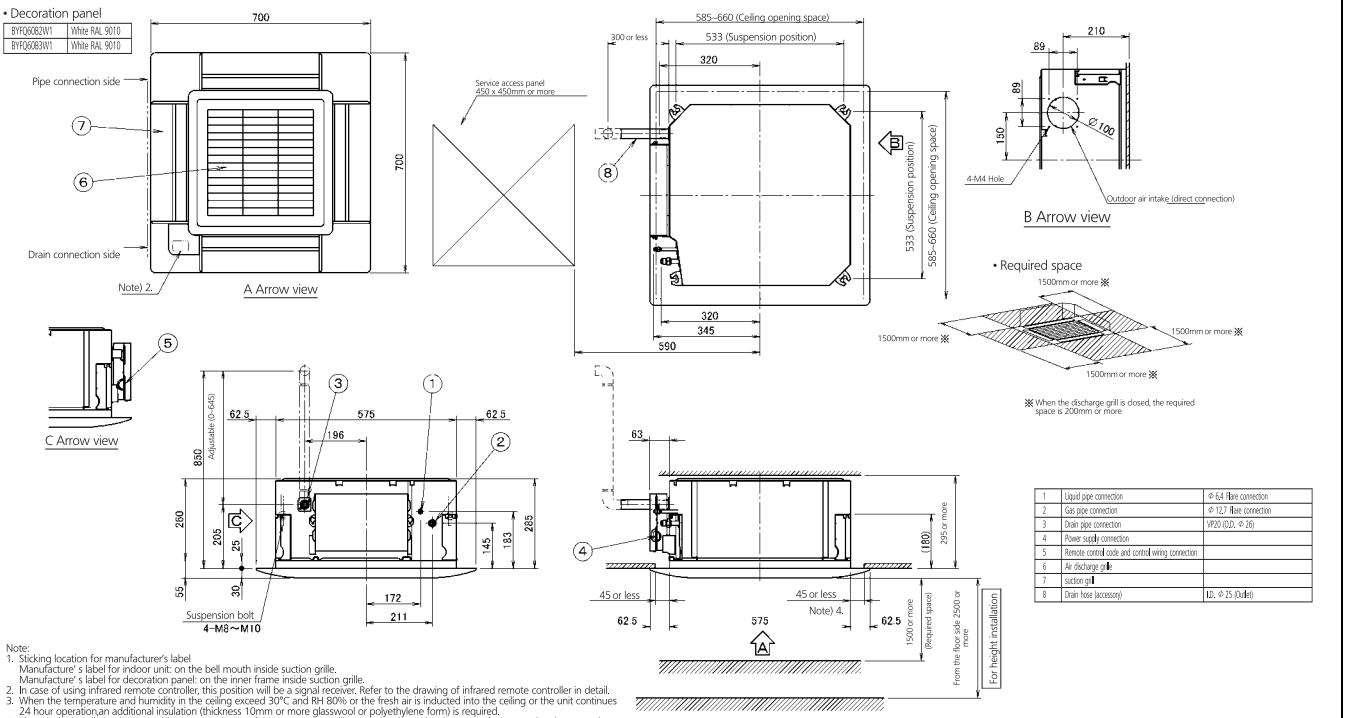
FXZQ-A

• Decoration panel

BYFQ60B2W1	White RAL 9010
BYFQ60B3W1	White RAL 9010



1	Liquid pipe connection	Φ 6.4 Flare connection
2	Gas pipe connection	Φ 12.7 Flare connection
3	Drain pipe connection	VP20 (O.D. Φ 26)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge grille	
7	suction grill	
8	Drain hose (accessory)	I.D. Φ 25 (Outlet)

Note:
1. Sticking location for manufacturer's label
   Manufacture' s label for indoor unit: on the bell mouth inside suction grille.
   Manufacture' s label for decoration panel: on the inner frame inside suction grille.
2. In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation,an additional insulation (thickness 10mm or more glasswool or polyethylene form) is required.
4. Though the installation is acceptable up to maximum of 660mm square ceiling opening, keep the clearance of 45mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

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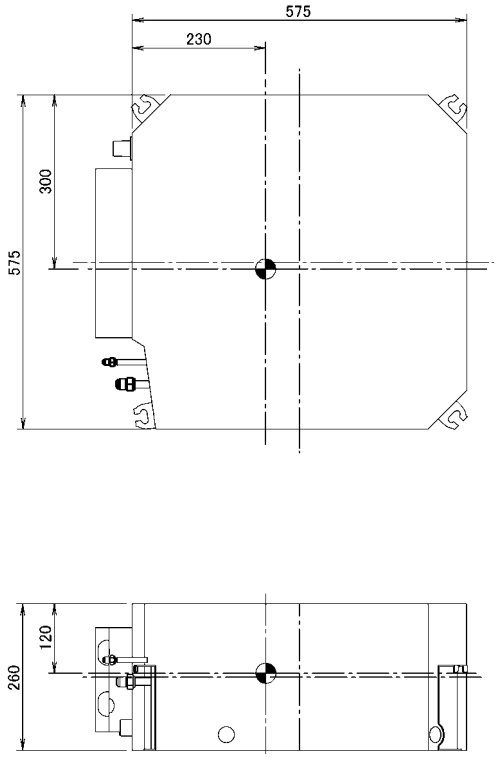
8 Centre of gravity

8 - 1 Centre of Gravity

FXZQ-A



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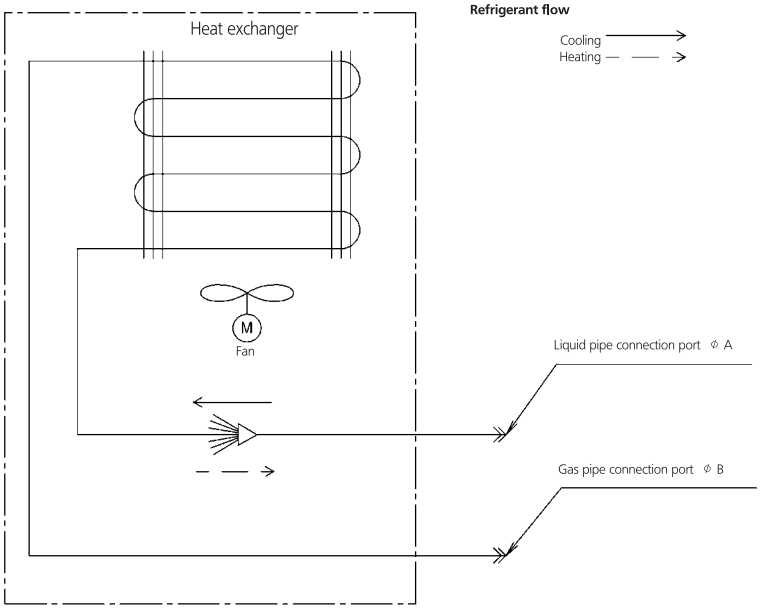
9 Piping diagrams

9 - 1 Piping Diagrams

FXZQ-A



Model	A	B
FXZQ15A	6.35	12.7
FXZQ20A		
FXZQ25A		
FXZQ32A		
FXZQ40A		
FXZQ50A		

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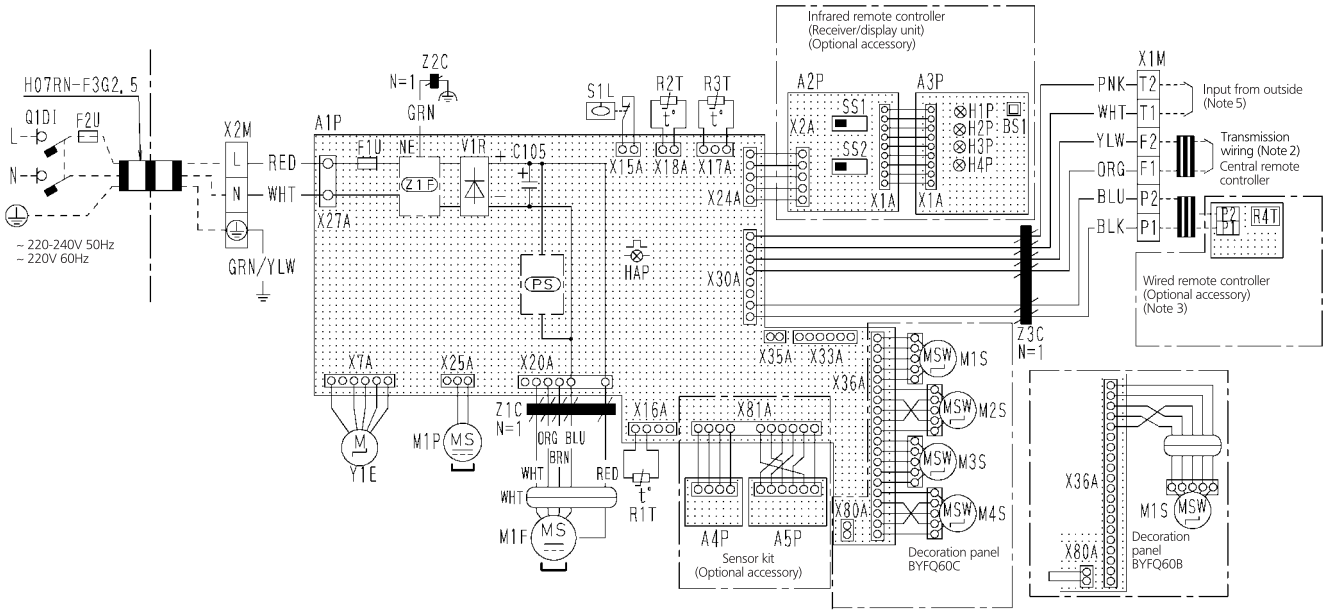
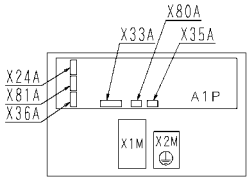
10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXZQ-A





Control box

Indoor unit	
A1P	Printed circuit board
C105	Capacitor (M1F)
F1U	Fuse (T, 3.15A, 250V)
HAP	Flashing lamp (service monitor-green)
M1F	Fan motor
M1P	Drain pump motor
M1S • M2S M3S • M4S	Swing motor
R1T	Thermistor (air)
R2T • R3T	Thermistor (coil)
S1L	Float switch
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Y1E	Electronic expansion valve
Z1F	Noise filter
Z1C	Ferrite core
Z2C	Ferrite core
Z3C	Ferrite core
PS	Switching power supply

Infrared remote controller (Receiver/display unit)	
A2P	Printed circuit board
A3P	Printed circuit board
BS1	Push button switch on PCB
H1P	Pilot lamp (on-red)
H2P	Pilot lamp (timer-green)
H3P	Pilot lamp (filter sign-red)
H4P	Pilot lamp (defrost-orange)
SS1	Selector switch (main/sub)
SS2	Selector switch (infrared address set)

Sensor kit	
A4P	Printed circuit board
A5P	Printed circuit board
Wired remote controller	
R4T	Thermistor (air)
Connector for optional parts	
X24A	Connector (Infrared remote controller)
X33A	Connector (adapter for wiring)
X35A	Connector (Power supply for adapter)
X81A	Connector (Sensor kit)
Power supply	
F2U	Fuse
Q1DI	Earth leak detector

Notes

1. ▭ : Terminal block, ◘ , ⊐ : Connector, ▮▮ : Field wiring
2. In case of using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. In case of main/sub changeover, see the installation manual attached to remote controller.
4. Symbols show as follows: BLK:Black RED:Red BLU:Blue WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink.
5. When connecting the input wiring from outside, forced off or on/off control operation can be selected by the remote controller See installation manual for more details.

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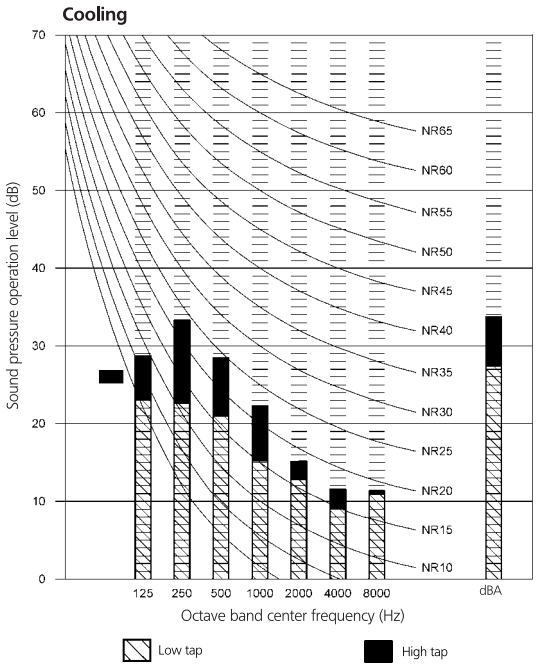
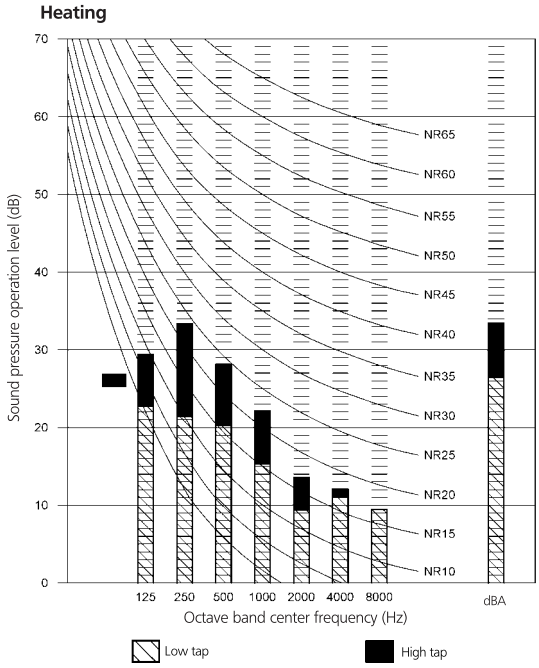
11 Sound data

11 - 1 Sound Pressure Spectrum

FXZQ15-20A





NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20μPa.
5 Sound power level:

High tap
49 dB

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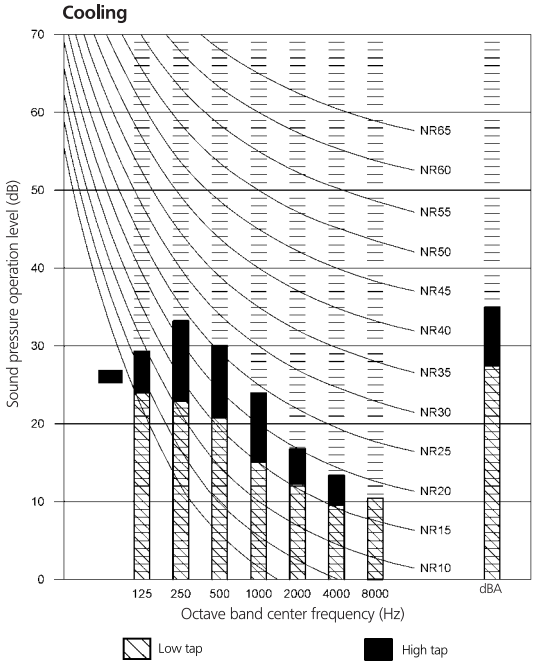
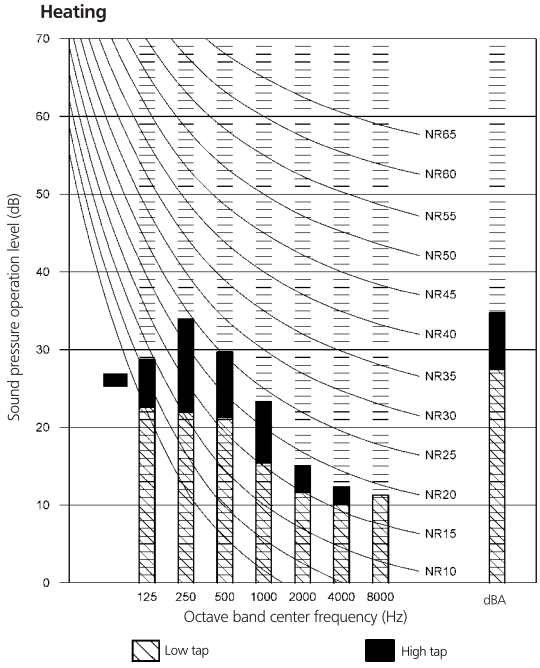
FXZQ25A





NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20μPa.
5 Sound power level:

High tap
50 dB

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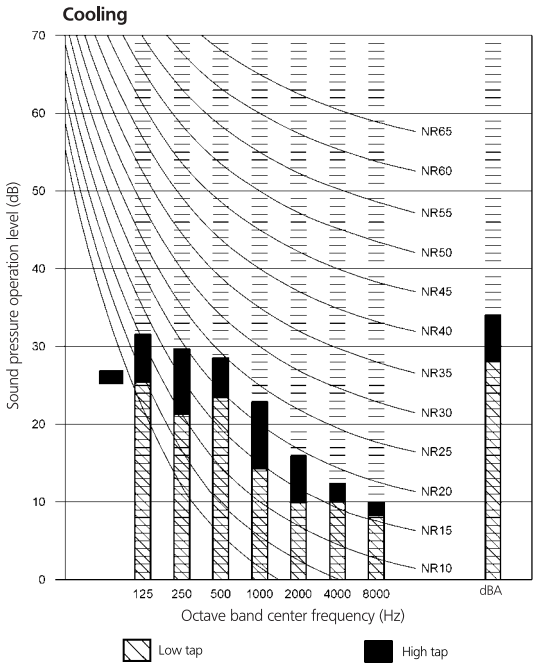
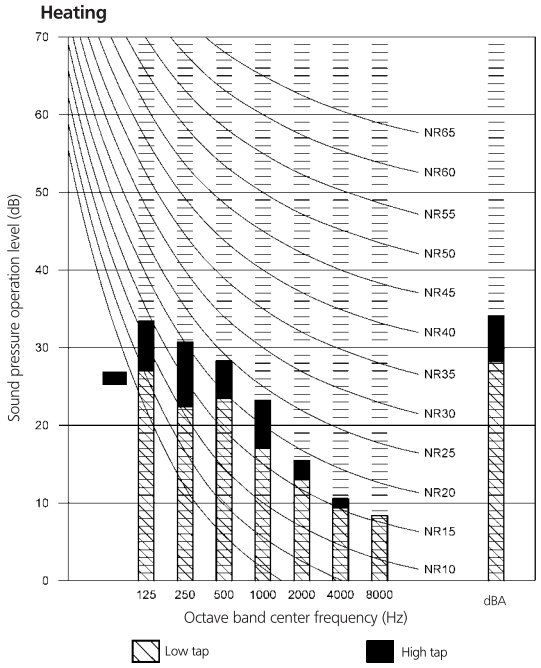
11 Sound data

11 - 1 Sound Pressure Spectrum

FXZQ32A





NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20μPa.
5 Sound power level:

High tap
51 dB

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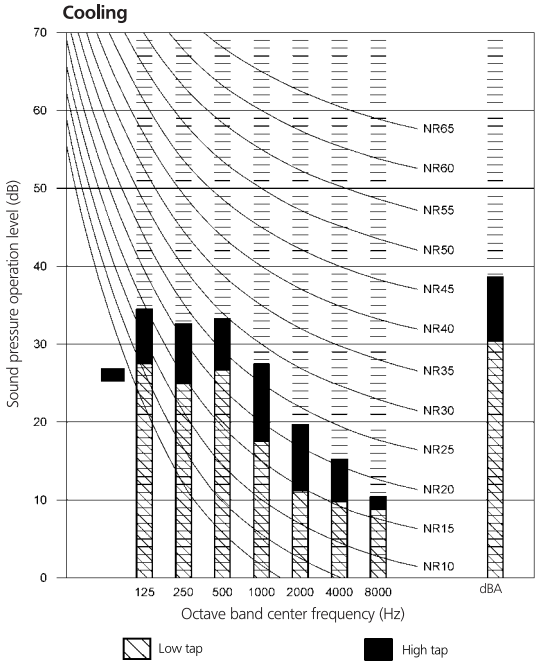
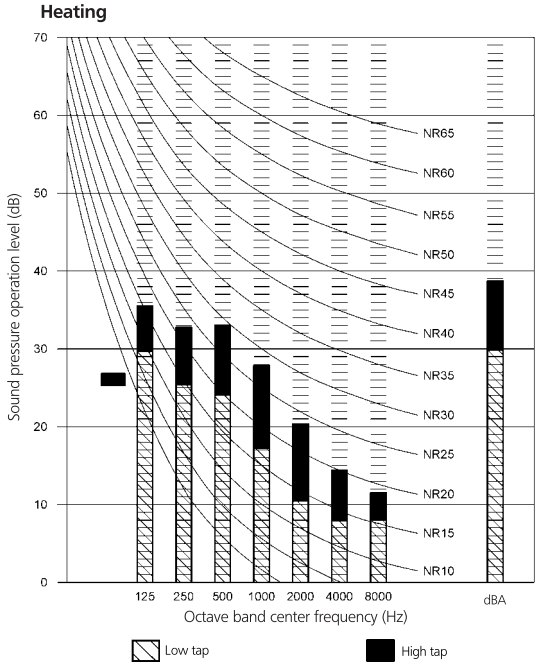
FXZQ40A





NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20μPa.
5 Sound power level:

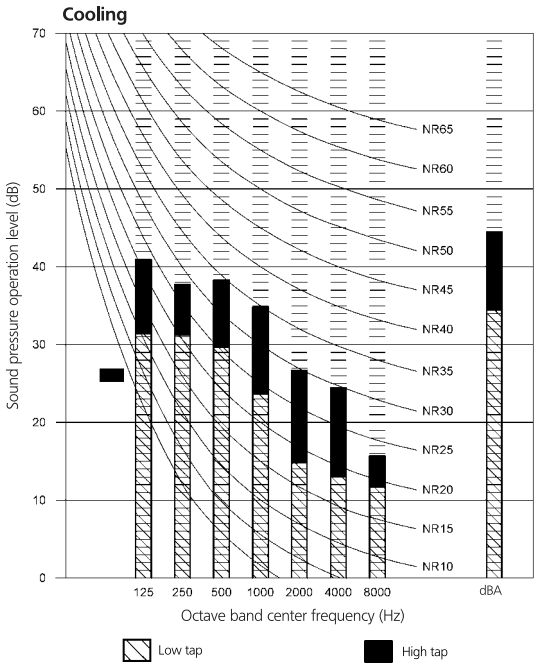
High tap
54 dB

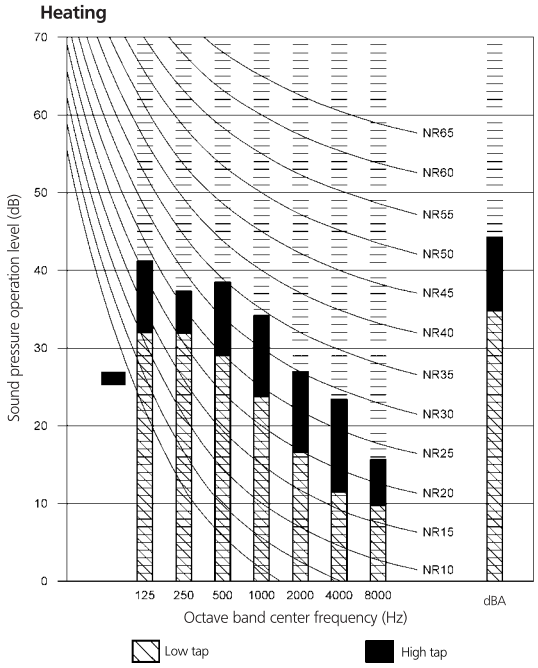
3D082569

11 Sound data

11 - 1 Sound Pressure Spectrum

FXZQ50A





NOTES

1 Data is valid at free field condition.
2 Data is valid at nominal operation condition.
3 dBA = A-weighted sound pressure level (A-scale according to IEC).
4 Reference acoustic pressure 0dB = 20μPa.
5 Sound power level:

High tap
60 dB

3D082570

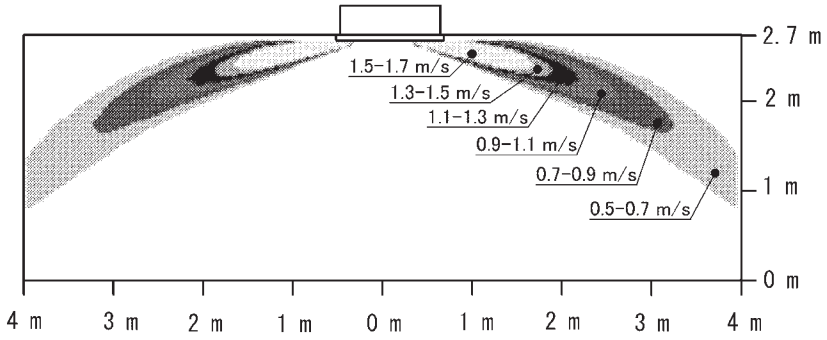
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXZQ15A

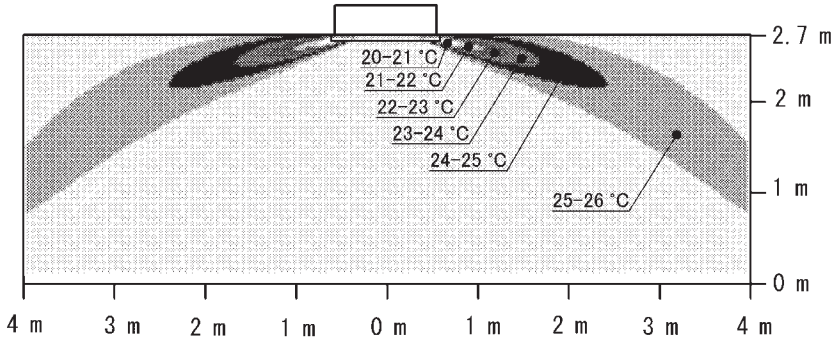
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

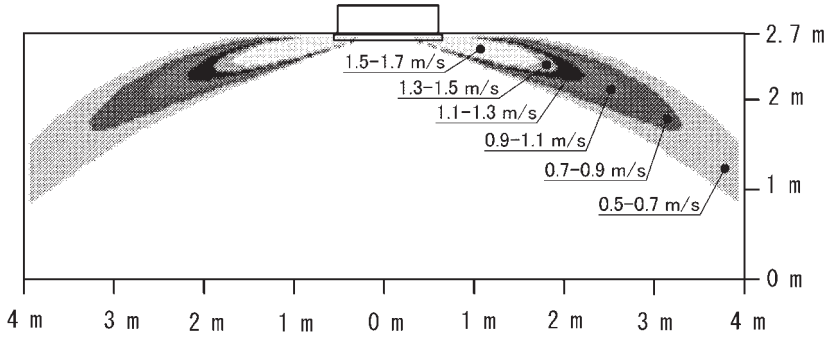


4D083823

FXZQ20A

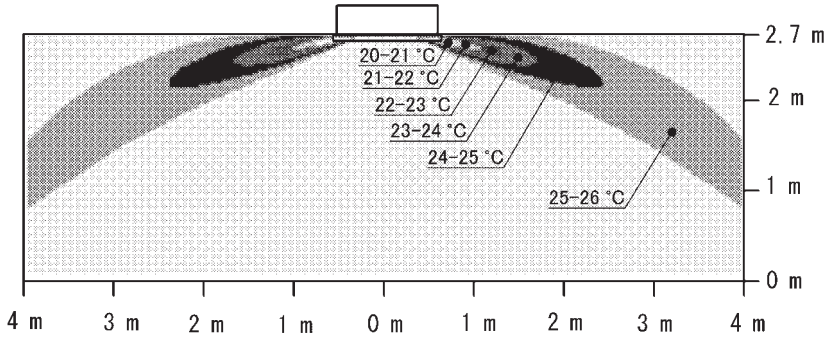
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D083824

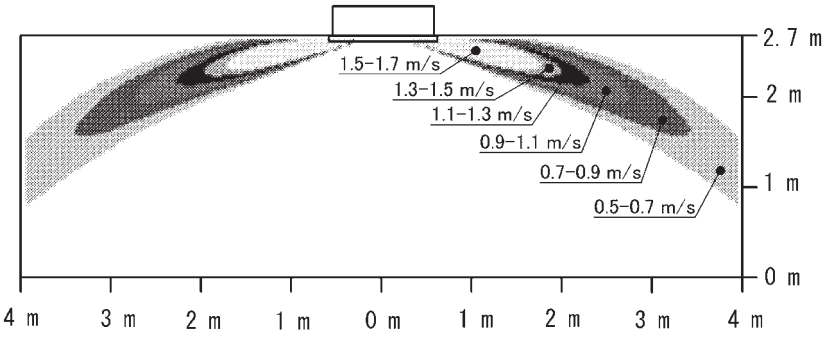
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXZQ25A

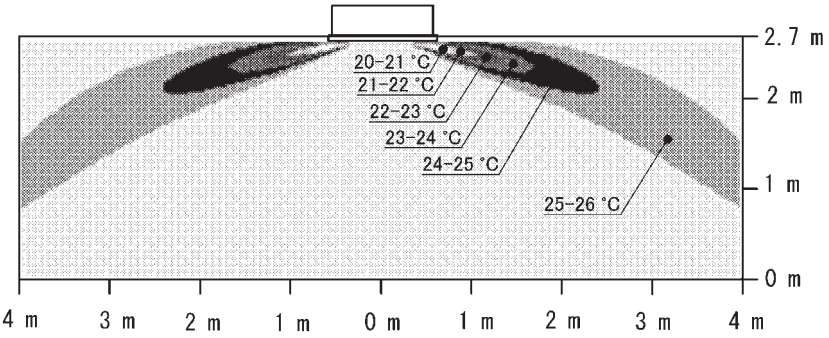
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

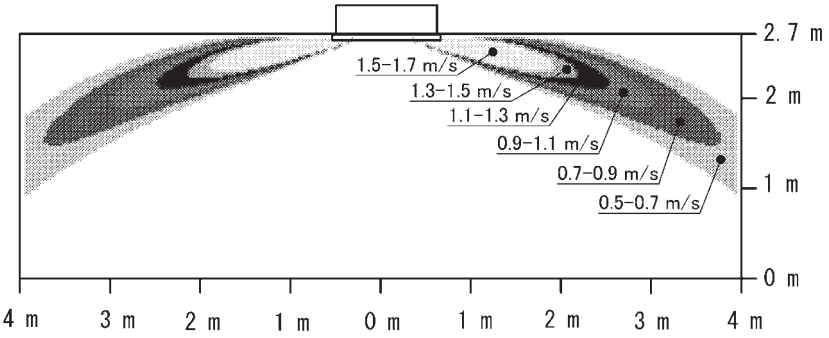


4D083825

FXZQ32A

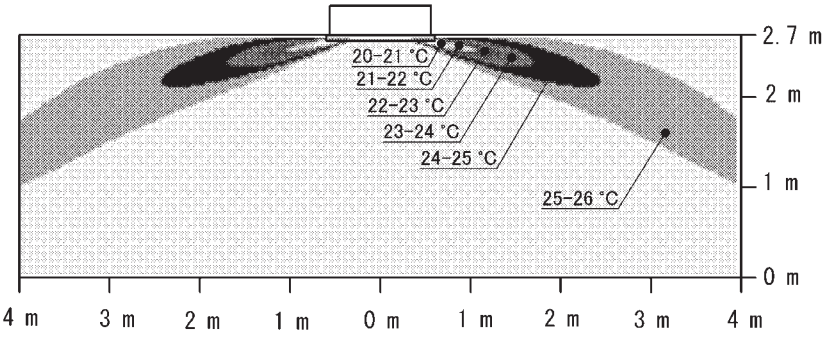
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D083826

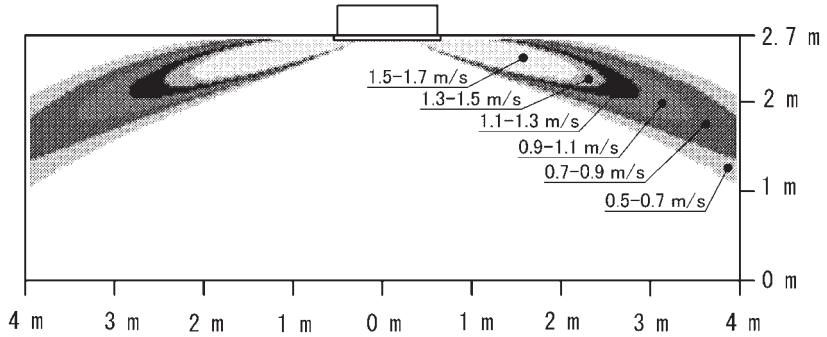
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXZQ40A

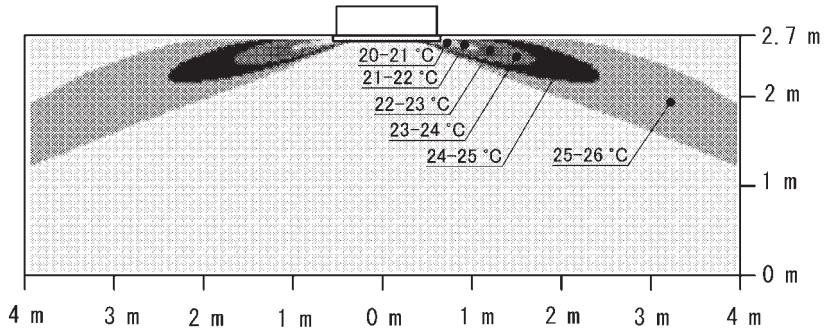
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

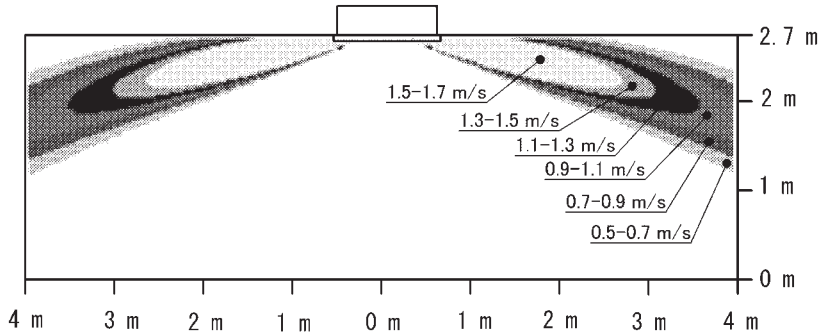


4D083827

FXZQ50A

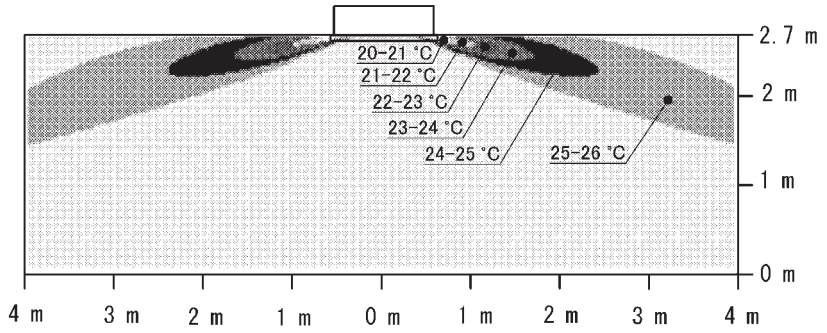
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D083828

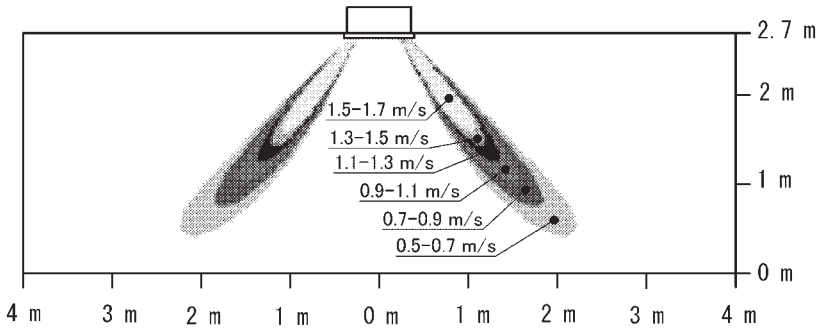
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXZQ15A

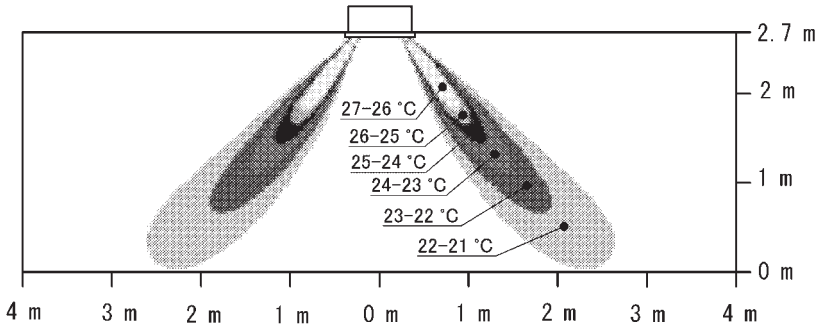
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

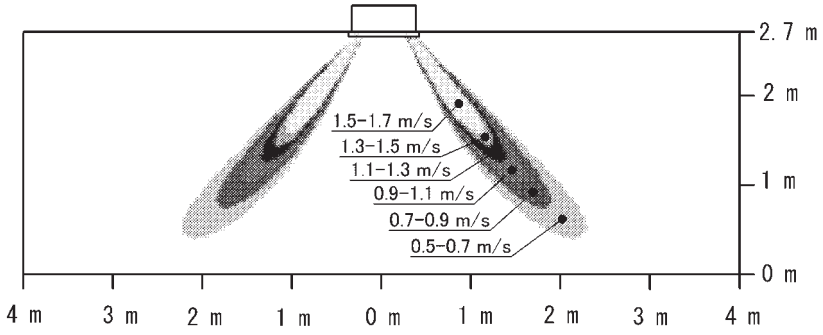


4D083833

FXZQ20A

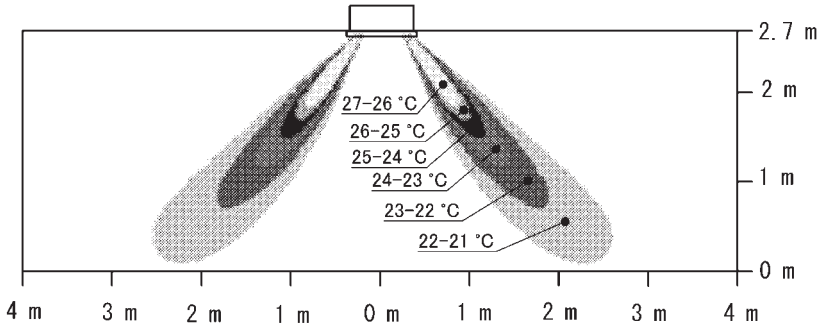
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D083834

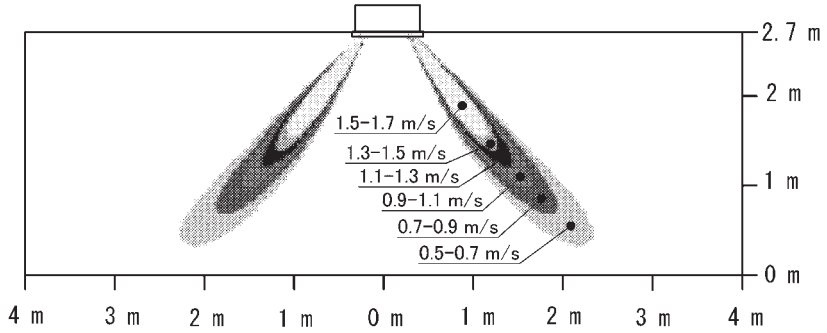
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXZQ25A

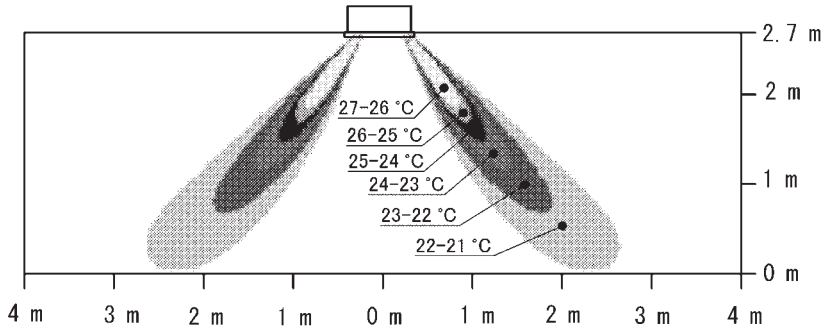
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

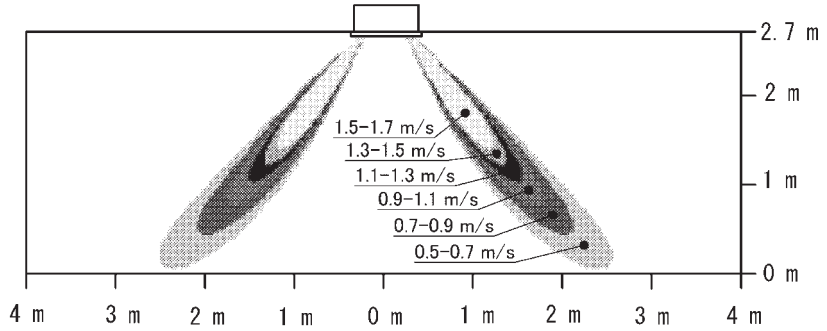


4D083835

FXZQ32A

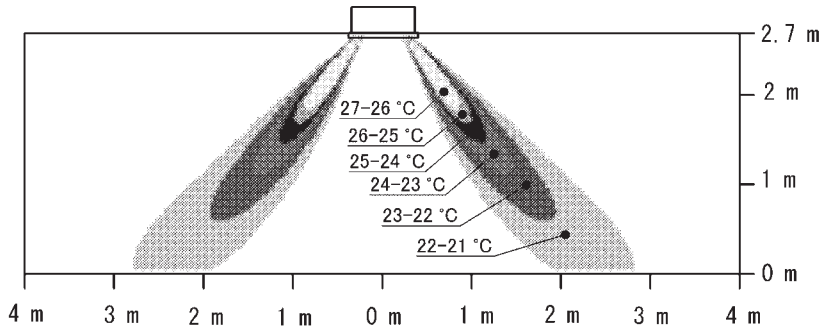
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D083836

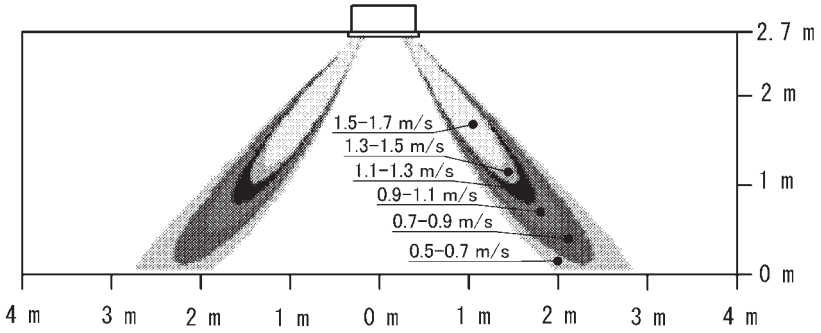
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXZQ40A

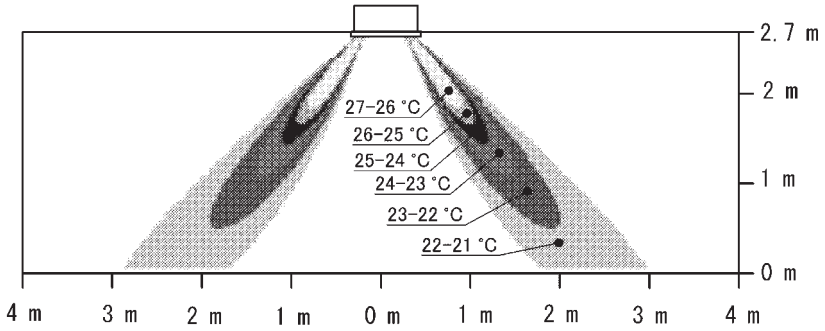
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

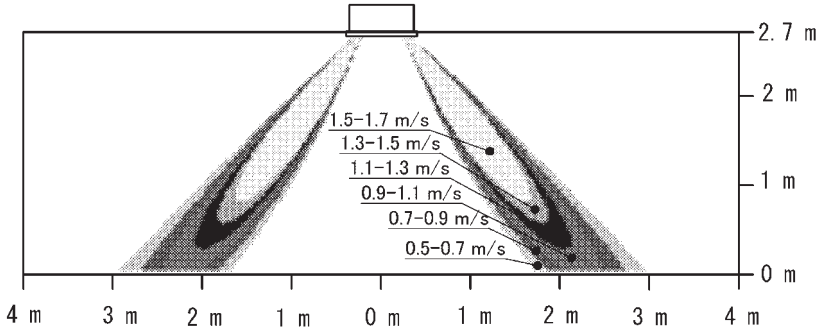


4D083837

FXZQ50A

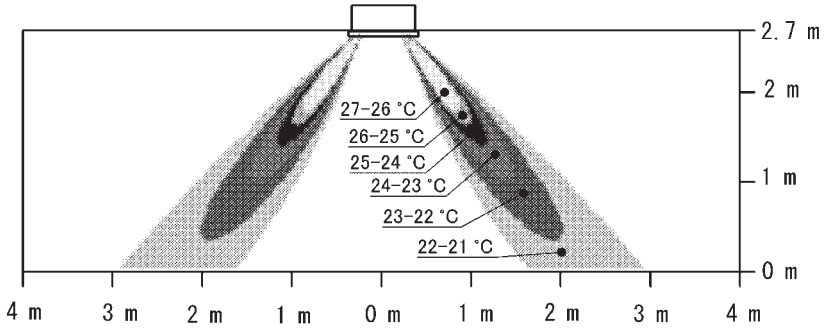
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D083838

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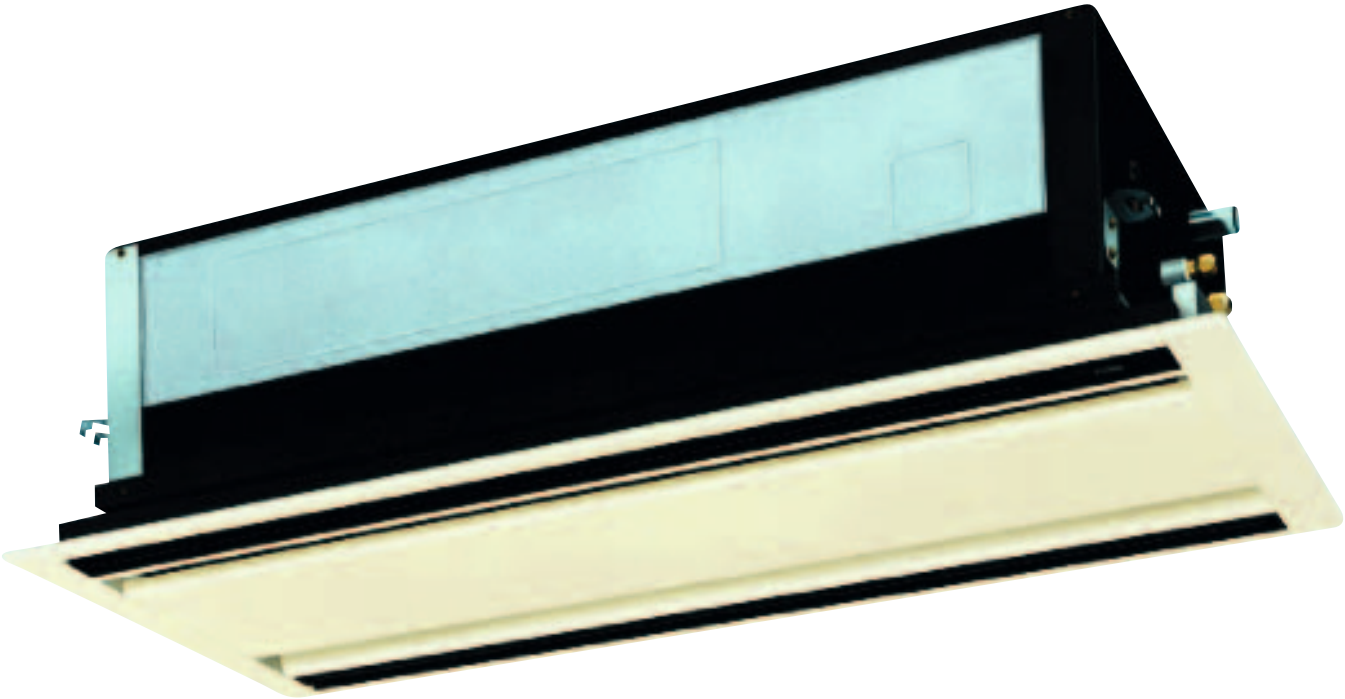
1 Features

- Compact dimensions, can easily be mounted in a ceiling void of only 355mm
- Depth of all units is 620mm, ideal for narrow spaces
- Auto swing function ensures efficient air and temperature distribution and prevents ceiling soiling
- Quiet operation
- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Easy to clean flat suction grille



Fan only

Auto cooling-heating changeover

Whisper quiet

Ceiling soiling prevention

Horizontal auto swing

Dry programme

Air filter

Auto-restart

Self diagnosis

Drain pump kit

2 Specifications

2-1 Technical Specifications					FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE
Cooling capacity	Nom.			kW	2.2 (1)	2.8 (1)	3.6 (1)	4.5 (1)	5.6 (1)	7.1 (1)	9.0 (1)	14.0 (1)
Heating capacity	Nom.			kW	2.5 (2)	3.2 (2)	4.0 (2)	5.0 (2)	6.3 (2)	8.0 (2)	10.0 (2)	16.0 (2)
Power input - 50Hz	Cooling	Nom.		kW	77 (1)	92 (1)		130 (1)		161 (1)	209 (1)	256 (1)
	Heating	Nom.		kW	44 (2)	59 (2)		97 (2)		126 (2)	176 (2)	223 (2)
Power input - 60Hz	Cooling	Nom.		kW	81 (1)	95 (1)		132 (1)		157 (1)	216 (1)	278 (1)
	Heating	Nom.		kW	48 (2)	62 (2)		99 (2)		124 (2)	183 (2)	245 (2)
Dimensions	Unit	Height		mm	305							
		Width		mm	775			990		1,175	1,665	
		Depth		mm	600							
Weight	Unit			kg	26			31	32	35	47	48
Casing	Material				Galvanised steel plate							
Decoration panel	Model				BYBC32GJW1 / BYBC32G-W1			BYBC50GJW1 / BYBC50G-W1		BYBC63GJW1 / BYBC63G-W1	BYBC125GJW1 / BYBC125G-W1	
	Colour				White (10Y9/0.5)							
	Dimensions	Height		mm	53							
		Width		mm	1,030			1,245		1,430	1,920	
		Depth		mm	680							
	Weight			kg	8			8.5		9.5	12	
Heat exchanger	Rows	Quantity			2							
	Fin pitch			mm	1.5							
	Face area			m²	0.100			0.145		0.184	0.287	
	Stages	Quantity			10							
	Fin	Type			Cross fin coil							
Heat exchanger 2	Face area			m²	0.100			0.145		0.184	0.287	
Fan	Type				Sirocco fan							
	Air flow rate - 50Hz	Cooling	High	m³/min	7	9		12		16.5	26	33
			Low	m³/min	5	6.5		9		13	21	25
	Air flow rate - 60Hz	Cooling	High	m³/min	7	9		12		16.5	26	33
			Low	m³/min	5	6.5		9		13	21	25
Fan motor	Model				D17K2AA1	D17K2AB1		2D17K1AA1		2D17K2AA1VE	3D17K2AA1	3D17K2AB1
	Output	High		W	10	15		20		30	50	85
	Drive				Direct drive							
Air filter	Type				Resin net with mold resistance							
Sound pressure level	Cooling	High		dBA	32 / 34	34 / 36		34 / 37		37 / 39	39 / 41	44 / 46
		Low		dBA	27 / 29	29 / 30		29 / 32		32 / 34	34 / 36	38 / 40
Refrigerant	Type				R-410A							
	Control				Electronic expansion valve							
Piping connections	Liquid	Type			Flare connection							
		OD		mm	6.35					9.52		
	Gas	Type			Flare connection							
		OD		mm	12.7					15.9		
	Drain				VP25 (I.D. 25/O.D. 32)							
	Sound absorbing insulation				Glass Wool / Urethane Foam							
Temperature control					Microprocessor thermostat for cooling and heating							
Safety devices	Item	01			Fuse							
		02			Thermal protector for outdoor fan motor.							
Control systems	Infrared remote control				-							
	Wired remote control				-							
	Simplified wired remote control for hotel applications				-							

Standard Accessories : Operation manual;

Standard Accessories : Installation manual;

Standard Accessories : Paper pattern for installation;

Standard Accessories : Washer for hanger bracket;

Standard Accessories : Clamp metal;

Standard Accessories : Drain hose;

2 Specifications

Standard Accessories : Insulation for fitting;
Standard Accessories : Washer fixing plate;
Standard Accessories : Sealing pads;
Standard Accessories : Clamps;
Standard Accessories : Screws;
Standard Accessories : Washer;

2-2 Electrical Specifications				FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE
Power supply	Name			VE							
	Phase			1~							
	Frequency		Hz	50/60							
	Voltage		V	220-240/220							
Voltage range	Max.		%	10							
	Min.		%	-10							
Current - 50Hz	Minimum circuit amps (MCA)		A	0.5			0.8		0.9	1.1	1.3
	Maximum fuse amps (MFA)		A	15							
	Full load amps (FLA)	Fan motor	A	0.4			0.6		0.7	0.9	1.0
Current - 60Hz	Minimum circuit amps (MCA)		A	0.5			0.8		0.9	1.3	1.5
	Maximum fuse amps (MFA)		A	15.0							
	Full load amps (FLA)	Fan motor	A	0.4			0.6		0.7	1.0	1.2

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m (horizontal)

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m (horizontal)

Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 15A

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

3 Safety device settings

3 - 1 Safety Device Settings

FXCQ-MVE

	Safety devices		20	25	32	40	50	63	80	125
FXCQ~MVE	PC board fuse		250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A
	Fan motor thermal fuse	°C	152 ±2	152 ±2	152 ±2	152 ±2	152 ±2	-	-	-
	Fan motor thermal protector	°C	OFF: 130 ±5 (ON: 90 ±15)	OFF: 130 ±5 (ON: 90 ±15)	OFF: 130 ±5 (ON: 90 ±15)	-	-	OFF: 135 ±8 (ON: 87 ±15)	OFF: 135 ±8 (ON: 87 ±15)	OFF: 135 ±8 (ON: 87 ±15)
	Drain pump thermal fuse	°C	169	169	169	169	169	169	169	169

3D040447A

4 Options

4 - 1 Options

FXCQ-MVE

No.	Item \ Type			FXCQ~MVE
1	Remote control	Infrared	H/P	BRC7C62
			C/O	BRC7C67
		Wired		BRC1A61
2	Simplified remote control			-
3	Remote control for hotel use			-
4	Adapter for wiring			*KRP1B61
5-1	Wiring adapter for electrical appendices (1)			*KRP2A61
5-1	Wiring adapter for electrical appendices (2)			*KRP4A51
6	Remote sensor			KRCS01-1
7	Installation box for adapter PCB			KRP1B96 (Note 2, 3)
8	Central remote control			DCS302C61
8-1	Electrical box with earth terminal (3 blocks)			KJB311A
9	Unified on/off controller			DCS301B61
9-1	Electrical box with earth terminal (2 blocks)			KJB212A
9-2	Noise filter (for electromagnetic interface use only)			KEK26-1
10	Schedule timer			DST301B61
11	External control adapter for outdoor unit (Must be installed on indoor units)			*DTA104A61

NOTES

1. Installation box (no. 7) is necessary for each adapter marked *.
2. Up to 2 adapters can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box (no. 7) is necessary for second adapter.
6. Installation box (no. 7) is necessary for each adapter.

3D034600D

FXCQ-MVE

Item \ Model			FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE
Decoration panel		Type	BYBC32GJW1			BYBC50GJW1		BYBC63GJW1	BYBC125GJW1	
		Z No.	Z970535							
		Type	BYBC32G-W1			BYBC50G-W1		BYBC63G-W1	BYBC125G-W1	
		Z No.	Z96A045							
Filter related	*1: High efficiency filter 65%	Type	KAFJ532G36			KAFJ532G56		KAFJ532G80	KAFJ532G160	
		Z No.	-							
		AS No.	AS36A0170							
	*1: High efficiency filter 90%	Type	KAFJ533G36			KAFJ533G56		KAFJ533G80	KAFJ533G160	
		Z No.	-							
		AS No.	AS36A0170							
	Filter chamber / Bottom suction	Type	KDDFJ53G36			KDDFJ53G56		KDDFJ53G80	KDDFJ53G160	
		Z No.	-							
		AS No.	AS36A0160							
	Long life replacement filter	Type	KAFJ531G36			KAFJ531G56		KAFJ531G80	KAFJ531G160	
		Z No.	-							
		AS No.	AS36A0180							

NOTES

*1. Filter chamber is required if installing high efficiency filter.
*2. See the latest for the modification marks.

3D035093D

5 Capacity tables

5 - 1 Cooling Capacity Tables

FXCQ-M

TC: Total Capacity;kW - SHC: Sensible capacity; kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
			20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	2.2	10.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.8	1.7
		12.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.7	1.6
		14.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.7	1.6
		16.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.7	1.6
		18.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.6	1.6
		20.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.7	2.6	1.6
		21.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.7	2.6	1.6
		23.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.7	2.5	1.6
		25.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.6	2.5	1.5
		27.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.6	2.5	1.5
		29.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.6	2.4	1.5
		31.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.6	2.4	1.5
		33.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.3	1.6	2.4	1.5
		35.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.7	2.3	1.5	2.3	1.4
		37.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.7	2.2	1.5	2.3	1.4
		39.0	1.5	1.4	1.8	1.5	2.1	1.7	2.1	1.7	2.2	1.7	2.2	1.5	2.3	1.4
		42.0	1.5	1.4	1.8	1.5	2.0	1.7	2.1	1.6	2.1	1.6	2.2	1.5	2.2	1.4
		44.0	1.5	1.4	1.8	1.5	2.0	1.6	2.0	1.6	2.1	1.6	2.1	1.4	2.2	1.4
		46.0	1.5	1.4	1.8	1.5	1.9	1.5	1.9	1.5	1.9	1.5	1.9	1.3	1.9	1.2
25	2.8	10.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.5	2.1
		12.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.5	2.1
		14.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.4	2.1
		16.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.4	2.1
		18.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.4	2.1
		20.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.2	3.3	2.0
		21.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.1	3.3	2.0
		23.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.1	3.2	2.0
		25.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.1	2.1	3.2	2.0
		27.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.1	2.1	3.2	2.0
		29.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.0	2.0	3.1	1.9
		31.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	2.9	2.2	3.0	2.0	3.1	1.9
		33.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	2.9	2.1	2.9	2.0	3.0	1.9
		35.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	2.8	2.1	2.9	2.0	3.0	1.9
		37.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	2.8	2.1	2.9	2.0	2.9	1.8
		39.0	1.9	1.7	2.3	1.9	2.6	2.1	2.7	2.1	2.7	2.1	2.8	1.9	2.9	1.8
		42.0	1.9	1.7	2.3	1.9	2.6	2.1	2.6	2.0	2.7	2.0	2.7	1.9	2.8	1.8
		44.0	1.9	1.7	2.3	1.9	2.6	2.1	2.6	2.0	2.6	2.0	2.7	1.9	2.8	1.7
		46.0	1.9	1.7	2.3	1.9	2.4	2.0	2.4	1.9	2.4	1.8	2.4	1.7	2.4	1.5
32	3.6	10.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.3	2.7	4.6	2.6
		12.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.3	2.7	4.5	2.6
		14.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.3	2.7	4.4	2.5
		16.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.3	2.7	4.4	2.5
		18.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.2	2.6	4.3	2.5
		20.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.2	2.6	4.3	2.4
		21.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.1	2.6	4.2	2.4
		23.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.1	2.5	4.2	2.4
		25.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.0	2.5	4.1	2.4
		27.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.0	2.5	4.1	2.3
		29.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	3.9	2.4	4.0	2.3
		31.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	3.8	2.4	3.9	2.3
		33.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.5	3.8	2.4	3.9	2.3
		35.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.6	2.5	3.7	2.4	3.8	2.3
		37.0	2.4	2.1	2.9	2.3	3.4	2.5	3.5	2.5	3.6	2.5	3.7	2.4	3.8	2.2
		39.0	2.4	2.1	2.9	2.3	3.4	2.5	3.5	2.5	3.5	2.5	3.6	2.3	3.7	2.2
		42.0	2.4	2.0	2.9	2.3	3.4	2.5	3.4	2.4	3.4	2.4	3.5	2.3	3.6	2.2
		44.0	2.4	2.0	2.9	2.3	3.3	2.4	3.3	2.4	3.4	2.3	3.5	2.2	3.6	2.2
		46.0	2.4	2.0	2.9	2.3	3.1	2.3	3.1	2.2	3.1	2.2	3.1	2.0	3.1	1.9
40	4.5	10.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.4	3.3	5.7	3.2
		12.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.4	3.3	5.6	3.2
		14.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.4	3.3	5.5	3.1
		16.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.4	3.3	5.5	3.1
		18.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.3	3.3	5.4	3.1
		20.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.2	3.2	5.3	3.0
		21.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.2	3.2	5.3	3.0
		23.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.1	3.2	5.2	3.0
		25.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.0	3.1	5.1	2.9
		27.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.0	3.1	5.1	2.9
		29.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	4.9	3.1	5.0	2.9
		31.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.7	3.2	4.8	3.0	4.9	2.8
		33.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.6	3.2	4.7	3.0	4.8	2.8
		35.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.6	3.2	4.7	3.0	4.8	2.8
		37.0	3.0	2.5	3.6	2.8	4.2	3.1	4.4	3.2	4.5	3.1	4.6	2.9	4.7	2.7
		39.0	3.0	2.5	3.6	2.8	4.2	3.1	4.4	3.1	4.4	3.1	4.5	2.9	4.6	2.7
		42.0	3.0	2.5	3.6	2.7	4.2	3.1	4.2	3.0	4.3	3.0	4.4	2.8	4.5	2.7
		44.0	3.0	2.5	3.6	2.7	4.1	3.0	4.2	2.9	4.2	2.9	4.3	2.8	4.4	2.6
		46.0	3.0	2.5	3.6	2.7	3.9	2.9	3.9	2.7	3.9	2.7	3.9	2.5	3.9	2.3

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5 Capacity tables

5 - 1 Cooling Capacity Tables

FXCQ-M

TC: Total Capacity;kW - SHC: Sensible capacity; kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
			20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
50	5.6	10.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.0	7.1	3.9
		12.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.0	7.0	3.9
		14.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.0	6.9	3.8
		16.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.0	6.8	3.8
		18.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.6	4.0	6.7	3.7
		20.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.5	3.9	6.6	3.7
		21.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.4	3.9	6.6	3.7
		23.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.4	3.9	6.5	3.6
		25.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.3	3.8	6.4	3.6
		27.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.2	3.8	6.3	3.5
		29.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.9	4.0	6.1	3.7	6.2	3.5
		31.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.9	3.9	6.0	3.7	6.1	3.5
		33.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.8	3.9	5.9	3.7	6.0	3.4
		35.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.7	3.8	5.8	3.6	5.9	3.4
		37.0	3.8	3.1	4.5	3.4	5.2	3.8	5.5	3.9	5.6	3.8	5.7	3.6	5.8	3.3
		39.0	3.8	3.1	4.5	3.4	5.2	3.8	5.4	3.8	5.5	3.7	5.6	3.5	5.8	3.3
		42.0	3.8	2.9	4.5	3.2	5.2	3.5	5.3	3.6	5.3	3.4	5.5	3.3	5.6	3.1
		44.0	3.8	2.9	4.5	3.2	5.1	3.5	5.2	3.5	5.3	3.3	5.4	3.2	5.5	3.0
		46.0	3.8	2.9	4.5	3.2	4.8	3.3	4.8	3.2	4.8	3.0	4.8	2.9	4.9	2.7
63	7.1	10.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	9.0	4.9
		12.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	8.9	4.8
		14.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	8.7	4.7
		16.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	8.6	4.7
		18.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.3	4.9	8.5	4.6
		20.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.2	4.8	8.4	4.5
		21.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.2	4.8	8.3	4.5
		23.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.1	4.7	8.2	4.4
		25.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	7.9	4.7	8.1	4.4
		27.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	7.8	4.6	8.0	4.4
		29.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.5	4.8	7.7	4.5	7.9	4.3
		31.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.4	4.8	7.6	4.5	7.8	4.3
		33.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.3	4.7	7.5	4.4	7.6	4.3
		35.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.2	4.6	7.4	4.4	7.5	4.2
		37.0	4.8	3.8	5.7	4.2	6.6	4.7	7.0	4.8	7.1	4.6	7.2	4.3	7.4	4.2
		39.0	4.8	3.8	5.7	4.2	6.6	4.7	6.9	4.8	7.0	4.5	7.1	4.3	7.3	4.1
		42.0	4.8	3.8	5.7	4.2	6.6	4.6	6.7	4.7	6.8	4.4	7.0	4.2	7.1	4.0
		44.0	4.8	3.8	5.7	4.2	6.5	4.6	6.6	4.6	6.7	4.4	6.8	4.1	7.0	4.0
		46.0	4.8	3.8	5.7	4.2	6.1	4.3	6.1	4.3	6.1	4.0	6.1	3.7	6.2	3.5
80	9.0	10.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.7	11.4	6.4
		12.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.7	11.2	6.4
		14.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.7	11.1	6.3
		16.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.7	6.7	10.9	6.2
		18.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.6	6.6	10.8	6.2
		20.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.4	6.5	10.6	6.1
		21.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.4	6.5	10.6	6.1
		23.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.2	6.4	10.4	6.0
		25.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.1	6.4	10.3	5.9
		27.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	9.9	6.3	10.1	5.9
		29.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.5	6.5	9.8	6.2	10.0	5.8
		31.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.4	6.4	9.6	6.2	9.8	5.7
		33.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.3	6.3	9.5	6.1	9.7	5.7
		35.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.1	6.2	9.3	6.0	9.5	5.6
		37.0	6.1	5.2	7.2	5.7	8.4	6.2	8.9	6.2	9.0	6.2	9.2	6.0	9.4	5.5
		39.0	6.1	5.2	7.2	5.7	8.4	6.2	8.7	6.1	8.8	6.1	9.0	5.9	9.3	5.5
		42.0	6.1	5.2	7.2	5.8	8.4	6.2	8.5	6.1	8.6	6.0	8.8	5.7	9.0	5.4
		44.0	6.1	5.2	7.2	5.8	8.2	6.1	8.3	6.0	8.5	5.9	8.7	5.6	8.9	5.3
		46.0	6.1	5.2	7.2	5.8	7.7	5.7	7.7	5.5	7.8	5.4	7.8	5.1	7.8	4.7
125	14.0	10.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.7	10.2	17.7	9.9
		12.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.7	10.2	17.5	9.8
		14.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.7	10.2	17.2	9.7
		16.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.7	10.2	17.0	9.6
		18.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.4	10.0	16.8	9.4
		20.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.2	9.9	16.6	9.3
		21.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.1	9.8	16.4	9.2
		23.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.9	9.7	16.2	9.1
		25.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.6	9.6	16.0	9.1
		27.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.4	9.4	15.8	9.0
		29.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.2	9.3	15.5	8.9
		31.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.6	9.7	15.0	9.2	15.3	8.8
		33.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.4	9.6	14.7	9.1	15.1	8.7
		35.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.2	9.5	14.5	9.0	14.9	8.6
		37.0	9.4	7.8	11.3	8.6	13.1	9.5	13.8	9.6	13.9	9.3	14.3	9.0	14.6	8.6
		39.0	9.4	7.8	11.3	8.6	13.1	9.5	13.5	9.5	13.7	9.2	14.1	8.9	14.4	8.5
		42.0	9.4	7.7	11.3	8.6	13.0	9.4	13.2	9.3	13.4	8.9	13.7	8.6	14.1	8.3
		44.0	9.4	7.7	11.3	8.6	12.8	9.2	13.0	9.1	13.1	8.8	13.5	8.5	13.8	8.2
		46.0	9.4	7.7	11.3	8.6	12.0	8.7	12.1	8.4	12.1	8.1	12.1	7.6	12.2	7.2

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5 Capacity tables

5 - 2 Heating Capacity Tables

FXCQ-M

Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	KW	KW	KW	KW	KW	KW
20	2.5	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
		-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
		-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
		-14.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
		-12.6	-13.0	1.8	1.8	1.8	1.8	1.8	1.8
		-10.5	-11.0	1.9	1.9	1.9	1.9	1.9	1.9
		-9.5	-10.0	1.9	1.9	1.9	1.9	1.9	1.9
		-8.5	-9.1	2.0	2.0	1.9	1.9	1.9	1.9
		-7.0	-7.6	2.0	2.0	2.0	2.0	2.0	2.0
		-5.0	-5.6	2.1	2.1	2.1	2.1	2.1	2.1
		-3.0	-3.7	2.2	2.2	2.2	2.2	2.2	2.2
		0.0	-0.7	2.3	2.3	2.3	2.3	2.3	2.2
		3.0	2.2	2.5	2.5	2.4	2.4	2.3	2.2
		5.0	4.1	2.5	2.5	25	2.4	2.3	2.2
		7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
		9.0	7.9	2.7	2.7	2.5	2.4	2.3	2.2
		11.0	9.8	2.8	2.7	2.5	2.4	2.3	2.2
		13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.2
		15.0	13.7	2.8	2.7	2.5	2.4	2.3	2.2
25	3.2	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
		-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
		-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
		-14.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
		-12.6	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
		-10.5	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
		-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
		-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
		-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
		-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
		-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
		0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
		3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
		5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
		7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
		9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
		11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
		13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.6
		15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	4.0	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
		-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
		-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
		-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
		-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
		-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
		-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
		-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
		-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
		-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
		-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
		0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
		3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
		5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
		7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
		9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
		11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
		13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
		15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5
40	5.0	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
		-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
		-16.7	-17.5	3.2	3.2	3.2	3.2	3.2	3.2
		-14.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
		-12.6	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
		-10.5	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
		-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
		-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
		-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
		-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
		-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
		0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
		3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
		5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
		7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
		9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
		11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
		13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
		15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4

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5 Capacity tables

5 - 2 Heating Capacity Tables

FXCQ-M

Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	KW	KW	KW	KW	KW	KW
50	6.3	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
		-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
		-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
		-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
		-12.6	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
		-10.5	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
		-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
		-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
		-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
		-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
		-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
		0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
		3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
		5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
		7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
		9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
		11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
		13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5
		15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5
63	8.0	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
		-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
		-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
		-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
		-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
		-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	6.0
		-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
		-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
		-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
		-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
		-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
		0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
		3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
		5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
		7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
		9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
		11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
		13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
		15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0
80	10.0	-19.8	-20.0	5.9	5.9	5.9	5.9	5.9	5.8
		-18.8	-19.0	6.1	6.1	6.0	6.0	6.0	6.0
		-16.7	-17.0	6.4	6.4	6.4	6.4	6.4	6.4
		-14.7	-15.0	6.8	6.8	6.8	6.7	6.7	6.7
		-12.6	-13.0	7.1	7.1	7.1	7.1	7.1	7.1
		-10.5	-11.0	7.5	7.5	7.5	7.5	7.4	7.4
		-9.5	-10.0	7.7	7.7	7.6	7.6	7.6	7.6
		-8.5	-9.1	7.8	7.8	7.8	7.8	7.8	7.8
		-7.0	-7.6	8.1	8.1	8.1	8.1	8.0	8.0
		-5.0	-5.6	8.4	8.4	8.4	8.4	8.4	8.4
		-3.0	-3.7	8.8	8.8	8.7	8.7	8.7	8.7
		0.0	-0.7	9.3	9.3	9.3	9.3	9.3	8.7
		3.0	2.2	9.8	9.8	9.8	9.7	9.4	8.7
		5.0	4.1	10.2	10.1	10.0	9.7	9.4	8.7
		7.0	6.0	10.5	10.5	10.0	9.7	9.4	8.7
		9.0	7.9	10.8	10.6	10.0	9.7	9.4	8.7
		11.0	9.8	11.2	10.6	10.0	9.7	9.4	8.7
		13.0	11.8	11.3	10.6	10.0	9.7	9.4	8.7
		15.0	13.7	11.3	10.6	10.0	9.7	9.4	8.7
125	16.0	-19.8	-20.0	9.4	9.4	9.4	9.4	9.4	9.3
		-18.8	-19.0	9.7	9.7	9.7	9.7	9.6	9.6
		-16.7	-17.0	10.3	10.3	10.2	10.2	10.2	10.2
		-14.7	-15.0	10.9	10.8	10.8	10.8	10.8	10.7
		-12.6	-13.0	11.4	11.4	11.4	11.4	11.3	11.3
		-10.5	-11.0	12.0	12.0	11.9	11.9	11.9	11.9
		-9.5	-10.0	12.3	12.2	12.2	12.2	12.2	12.2
		-8.5	-9.1	12.5	12.5	12.5	12.5	12.4	12.4
		-7.0	-7.6	13.0	12.9	12.9	12.9	12.9	12.8
		-5.0	-5.6	13.5	13.5	13.5	13.4	13.4	13.4
		-3.0	-3.7	14.1	14.0	14.0	14.0	14.0	13.9
		0.0	-0.7	14.9	14.9	14.8	14.8	14.8	13.9
		3.0	2.2	15.7	15.7	15.7	15.5	15.0	13.9
		5.0	4.1	16.3	16.2	16.0	15.5	15.0	13.9
		7.0	6.0	16.8	16.8	16.0	15.5	15.0	13.9
		9.0	7.9	17.3	17.0	16.0	15.5	15.0	13.9
		11.0	9.8	17.9	17.0	16.0	15.5	15.0	13.9
		13.0	11.8	18.1	17.0	16.0	15.5	15.0	13.9
		15.0	13.7	18.1	17.0	16.0	15.5	15.0	13.9

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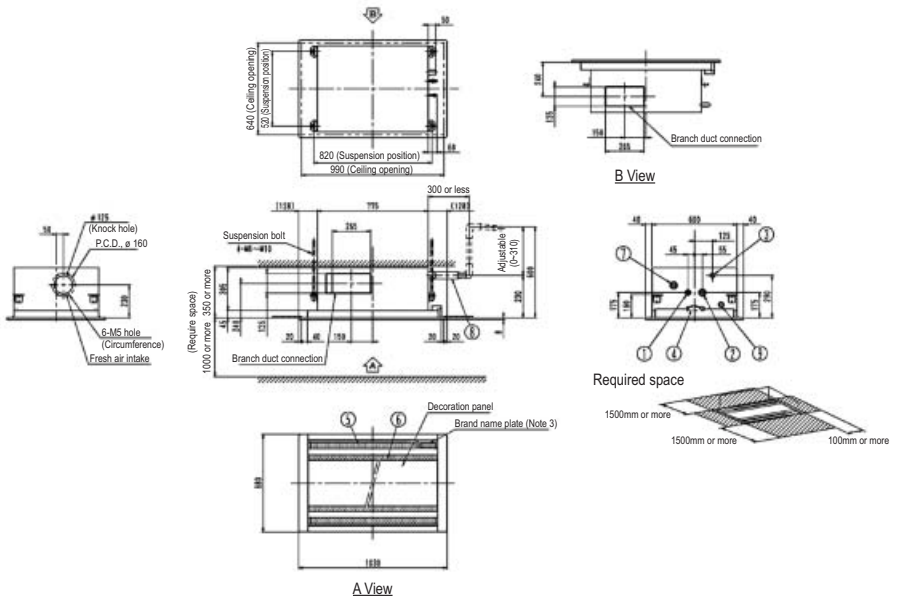
6 Dimensional drawings

6 - 1 Dimensional Drawings

FXCQ20,25,32MVE



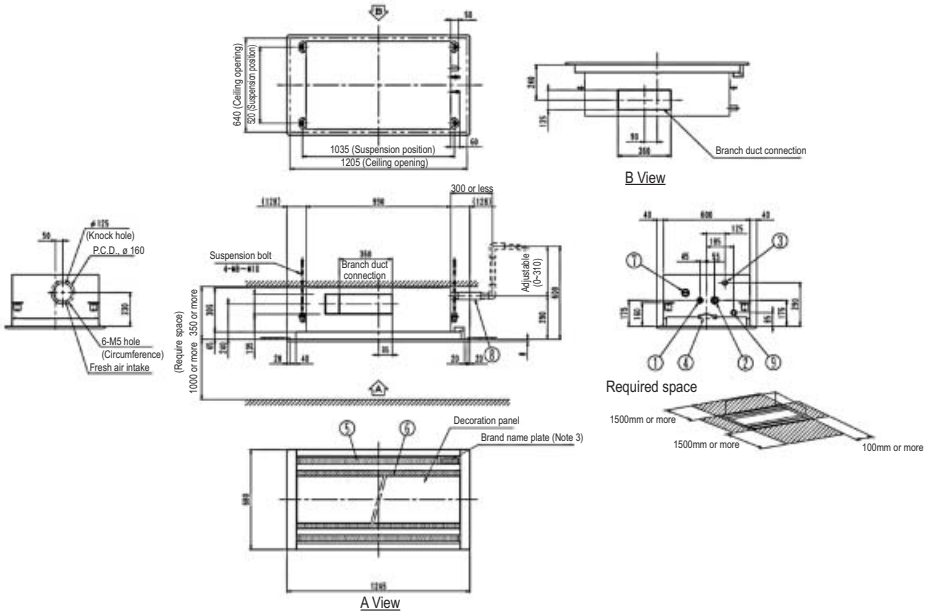
3D039405B

Number	Name	Description
1	Liquid pipe connection port	ø 6.4mm flare connection
2	Gas pipe connection port	ø 12.7mm flare connection
3	Drain pipe connection port	VP25 (O.D. ø 32, I.D. ø 25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. ø 32
9	Socket for drain	

NOTES

1. Location of unit's name plate
   For Main body: Filter install plate inside surface of suction grille
   For decoration panel: Panel frame inside surface of suction grille
2. When installing an optional accessory, refer to the installation drawings.
3. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
4. If it is assumed that the relative humidity above the ceiling exceeds 80%, stick the additional insulation to the unit. Insulation: 10mm thick or more, glass fiber of polyethylene foam.

FXCQ40,50MVE



3D039406B

Number	Name	Description
1	Liquid pipe connection port	ø 6.4mm flare connection
2	Gas pipe connection port	ø 12.7mm flare connection
3	Drain pipe connection port	VP25 (O.D. ø 32, I.D. ø 25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. ø 32
9	Socket for drain	

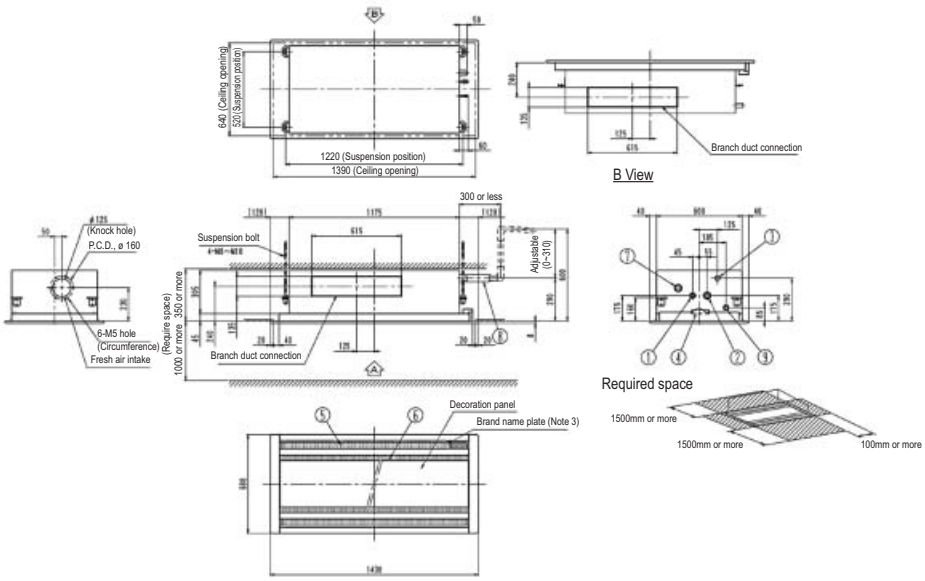
NOTES

1. Location of unit's name plate
   For Main body: Filter install plate inside surface of suction grille
   For decoration panel: Panel frame inside surface of suction grille
2. When installing an optional accessory, refer to the installation drawings.
3. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
4. If it is assumed that the relative humidity above the ceiling exceeds 80%, stick the additional insulation to the unit. Insulation: 10mm thick or more, glass fiber of polyethylene foam.

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXCQ63MVE



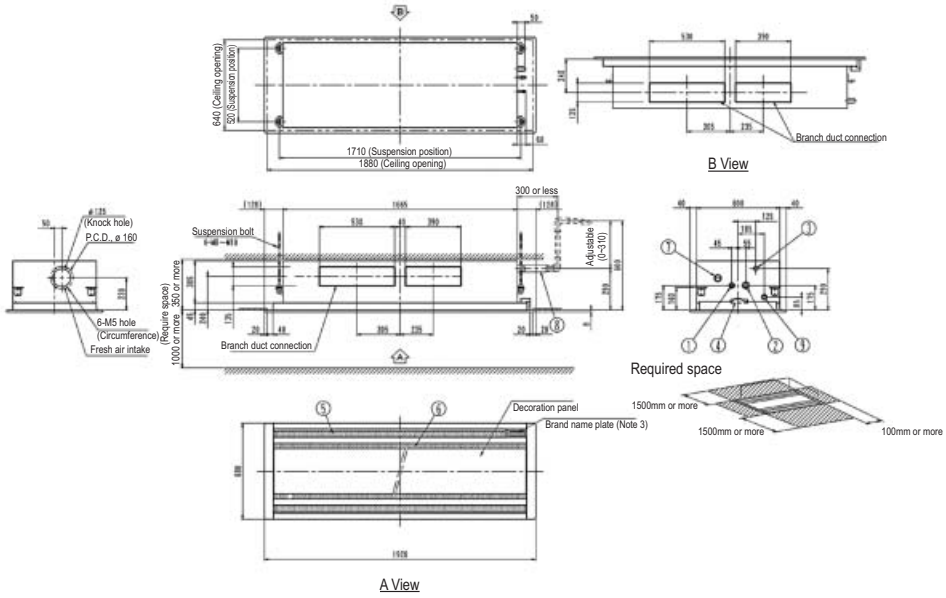
3D039407B

Number	Name	Description
1	Liquid pipe connection port	ø 9.5mm flare connection
2	Gas pipe connection port	ø 15.9mm flare connection
3	Drain pipe connection port	VP25 (O.D. ø 32, I.D. ø 25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. ø 32
9	Socket for drain	

NOTES

1. Location of unit's name plate
   For Main body: Filter install plate inside surface of suction grille
   For decoration panel: Panel frame inside surface of suction grille.
2. When installing an optional accessory, refer to the installation drawings.
3. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
4. If it is assumed that the relative humidity above the ceiling exceeds 80%, stick the additional insulation to the unit. Insulation: 10mm thick or more, glass fiber of polyethylene foam.

FXCQ80,125MVE



3D039409B

Number	Name	Description
1	Liquid pipe connection port	ø 9.5mm flare connection
2	Gas pipe connection port	ø 15.9mm flare connection
3	Drain pipe connection port	VP25 (O.D. ø 32, I.D. ø 25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. ø 32
9	Socket for drain	

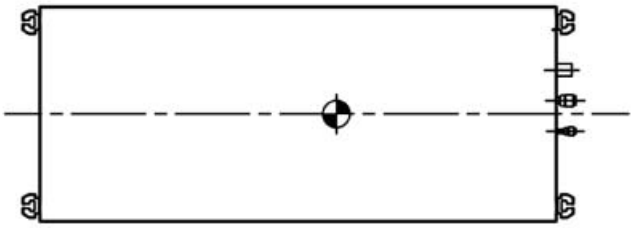
NOTES

1. Location of unit's name plate
   For Main body: Filter install plate inside surface of suction grille
   For decoration panel: Panel frame inside surface of suction grille.
2. When installing an optional accessory, refer to the installation drawings.
3. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
4. If it is assumed that the relative humidity above the ceiling exceeds 80%, stick the additional insulation to the unit. Insulation: 10mm thick or more, glass fiber of polyethylene foam.

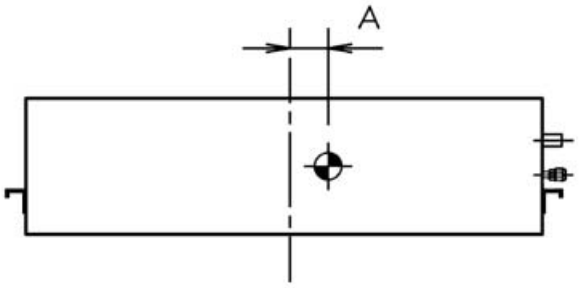
7 Centre of gravity

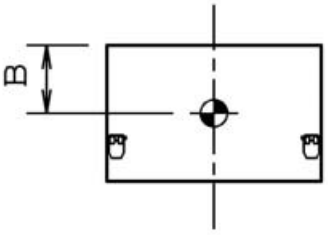
7 - 1 Centre of Gravity

FXCQ-MVE



Model	A	B
FXCQ20,25,32MVE	20	140
FXCQ40,50MVE	25	
FXCQ63MVE	30	
FXCQ80,125MVE	35	150



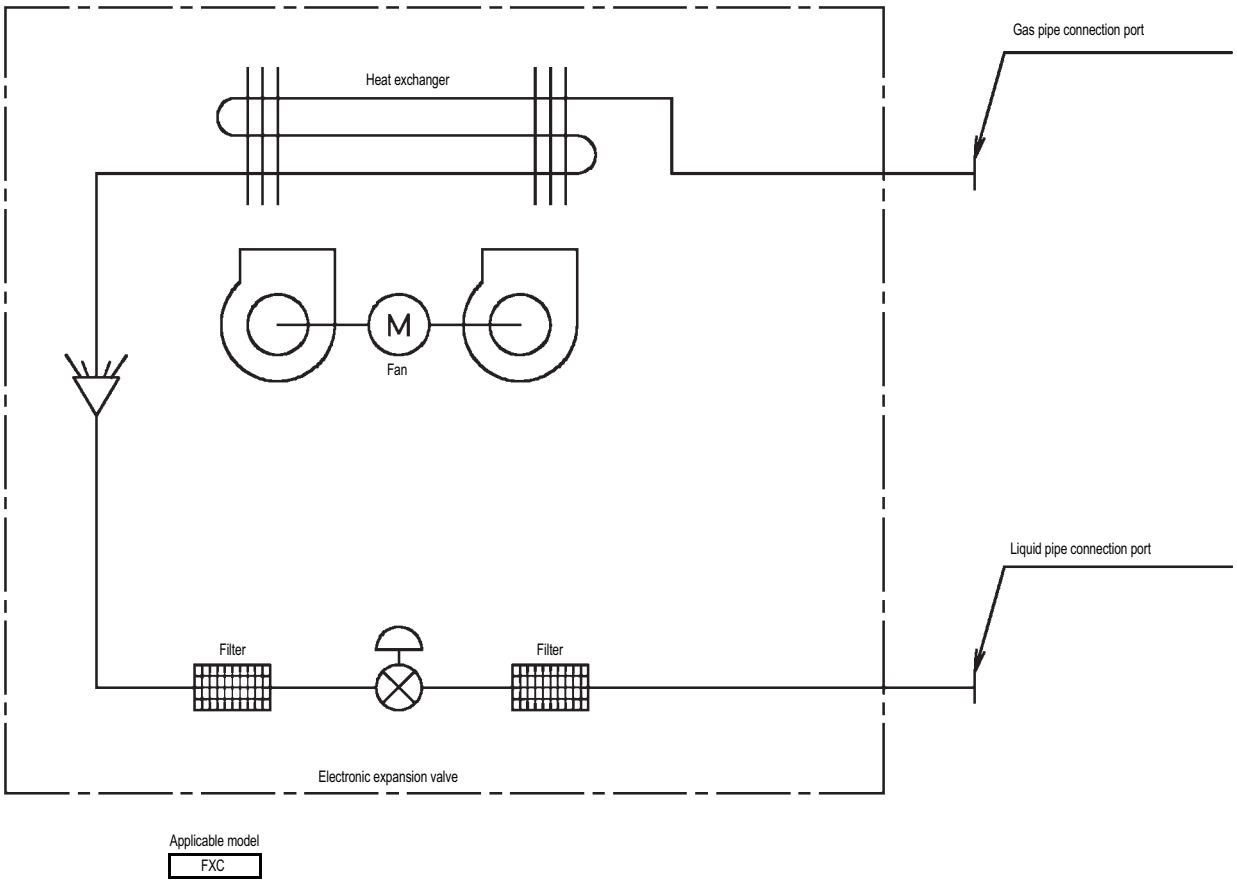


4D034788C

8 Piping diagrams

8 - 1 Piping Diagrams

FXCQ-MVE

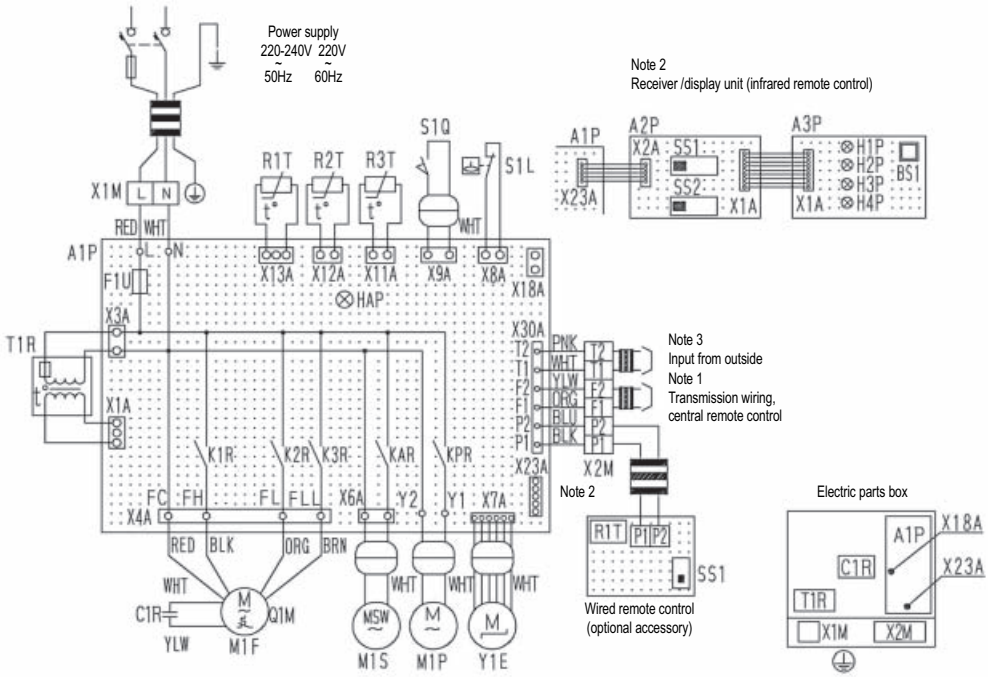


4D034245D

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXCQ20-25-32-63-MVE



Indoor unit		Q1M	Thermo switch (M1F Embedded)	Receiver/Display unit (Attached To Infrared Remote Control)	
A1P	Printed Circuit Board	R1T	Thermistor (Air)	A2P	Printed Circuit Board
C1, C2	Capacitor (M1F)	R2T-R3T	Thermistor (coil)	A3P	Printed Circuit Board
F1U	Fuse (Ⓑ, 5A, 250V) (A1P)	S1L	Float Switch	BS1	Push button (On/Off)
HAP	Light Emitting Diode (Service Monitor-Green)	S1Q	Limit Switch (Swing Flap)	H1P	Light Emitting Diode (On-Red)
		T1R	Transformer (220-240V/22V)	H2P	Light Emitting Diode (Timer-Green)
K1R-K3R	Magnetic relay (M1F)	X1M	Terminal block (Power)	H3P	Light Emitting Diode (Filter Sign-Red)
KAR	Magnetic relay (M1S)	X2M	Terminal block (Control)	H4P	Light Emitting Diode (Defrost-Orange)
KPR	Magnetic relay (M1P)	Y1E	Electronic expansion valve	SS1	Selector Switch (Main/Sub)
M1F	Motor (Indoor Fan)	Wired Remote Control		SS2	Selector Switch (Wireless Address set)
M1P	Motor (Drain Pump)	R1T	Thermistor (Air)	Connector For Optional Parts	
M1S	Motor (Swing Flap)	SS1	Selector Switch (Main/Sub)	X18A	Connector (Wiring adaptor for Electorical appendices)
				X23A	Connector (Infrared Remote Control)

: Terminal block
: Connector
: Short circuit connector
: Terminal
: Field wiring

Colors: BLK: Black, BLU: Blue, BRN: Brown, ORG: Orange, PNK: Pink, RED: Red, WHT: White, YLW: Yellow

3D039558A

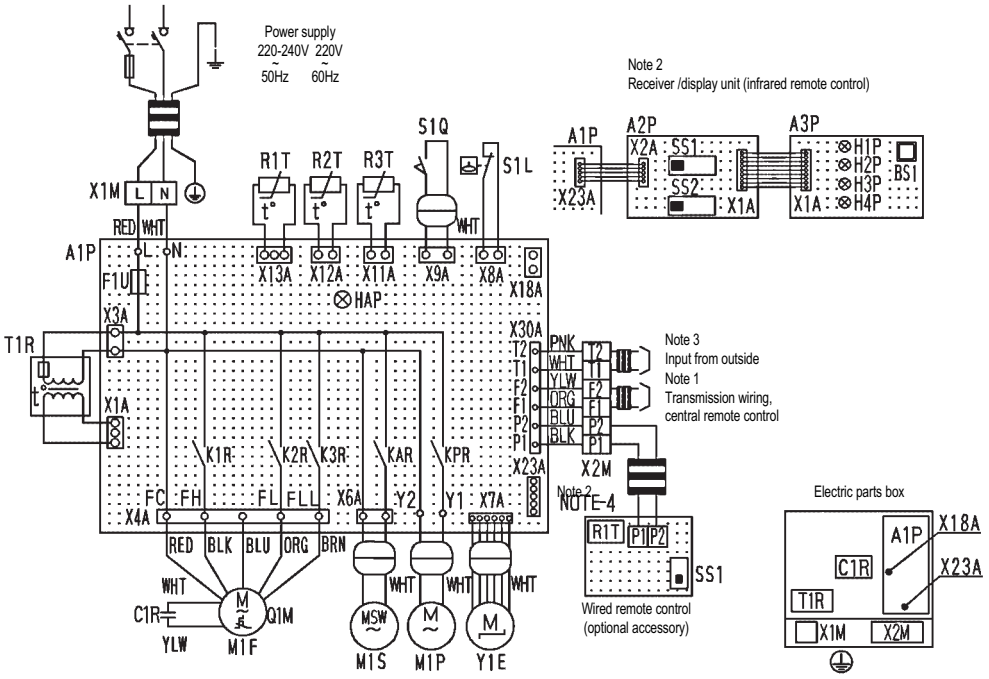
NOTES

1 In case of using central remote control, connect it to the unit in accordance with the attached instruction manual.
2 X23A is connected when the infrared remote control kit is being used.
3 When connecting the input wires from outside, forced off or on/off control operation can be selected by remote conrol. In details, refer to the installation manual attached the unit.
4 Use copper conductors only.

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXCQ40-50-80-125MVE



Indoor unit		Q1M	Thermo switch (M1F Embedded)	Receiver/Display unit (Attached To Infrared Remote Control)	
A1P	Printed Circuit Board	R1T	Thermistor (Air)	A2P	Printed Circuit Board
C1, C2	Capacitor (M1F)	R2T-R3T	Thermistor (coil)	A3P	Printed Circuit Board
F1U	Fuse (Ⓑ, 5A, 250V) (A1P)	S1L	Float Switch	BS1	Push button (On/Off)
HAP	Light Emitting Diode (Service Monitor-Green)	S1Q	Limit Switch (Swing Flap)	H1P	Light Emitting Diode (On-Red)
		T1R	Transformer (220-240V/22V)	H2P	Light Emitting Diode (Timer-Green)
K1R-K3R	Magnetic relay (M1F)	X1M	Terminal block (Power)	H3P	Light Emitting Diode (Filter Sign-Red)
KAR	Magnetic relay (M1S)	X2M	Terminal block (Control)	H4P	Light Emitting Diode (Defrost-Orange)
KPR	Magnetic relay (M1P)	Y1E	Electronic expansion valve	SS1	Selector Switch (Main/Sub)
M1F	Motor (Indoor Fan)	Wired Remote Control		SS2	Selector Switch (Wireless Address set)
M1P	Motor (Drain Pump)	R1T	Thermistor (Air)	Connector For Optional Parts	
M1S	Motor (Swing Flap)	SS1	Selector Switch (Main/Sub)	X18A	Connector (Wiring adaptor for Electorical appendices)
				X23A	Connector (Infrared Remote Control)

: Terminal block
: Connector
: Short circuit connector
: Terminal
: Field wiring

Colors:
BLK: Black
BLU: Blue
BRN: Brown
ORG: Orange
PNK: Pink
RED: Red
WHT: White
YLW: Yellow

3D039559A

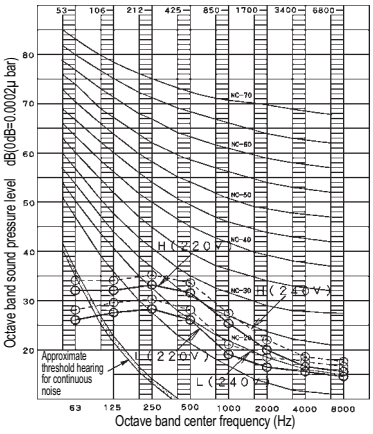
NOTES

1 In case of using central remote control, connect it to the unit in accordance with the attached instruction manual.
2 X23A is connected when the infrared remote control kit is being used.
3 When connecting the input wires from outside, forced off or on/off control operation can be selected by remote conrol. In details, refer to the installation manual attached the unit.
4 Use copper conductors only.

10 Sound data

10 - 1 Sound Pressure Spectrum

FXCQ20MVE



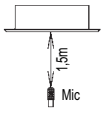
4D034329

NOTE

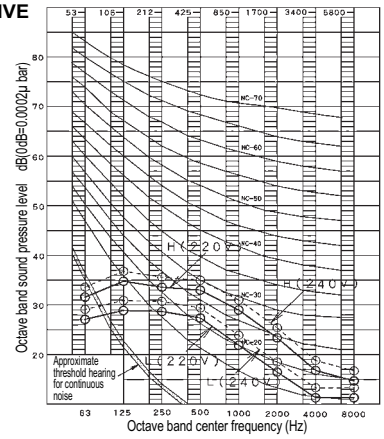
Scale	220V		220V	
	H	L	H	L
A	32	27	34	29
C	38.5	33.5	40.5	35.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  - ○———○ : 220 Hz
  - ○- - - -○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



FXCQ25-32MVE



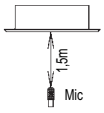
4D034330

NOTE

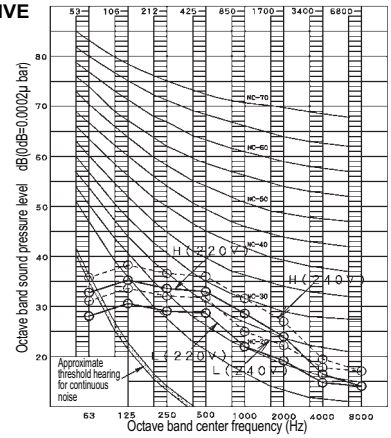
Scale	220V		220V	
	H	L	H	L
A	34	29	36	30
C	40	34.5	42	36.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  - ○———○ : 220 Hz
  - ○- - - -○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions.
5 Location of microphone



FXCQ40-50MVE



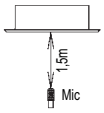
4D034331

NOTE

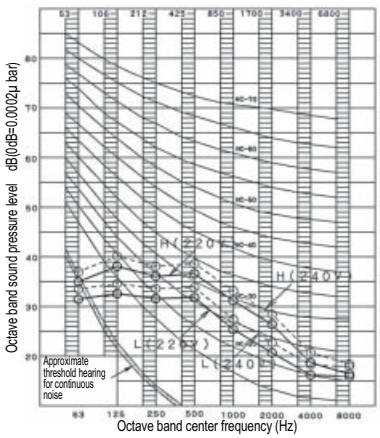
Scale	220V		220V	
	H	L	H	L
A	34	29	37	32
C	40.5	35.5	43.5	38.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  - ○———○ : 220 Hz
  - ○- - - -○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



FXCQ63MVE



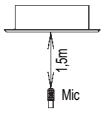
4D034332

NOTE

Scale	220V		220V	
	H	L	H	L
A	37	32	39	34
C	43	38.5	45	40.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  - ○———○ : 220 Hz
  - ○- - - -○ : 240 Hz

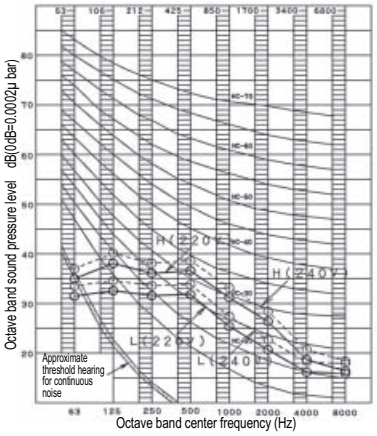
3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



10 Sound data

10 - 1 Sound Pressure Spectrum

FXCQ80MVE



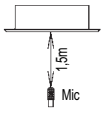
4D034333

NOTE

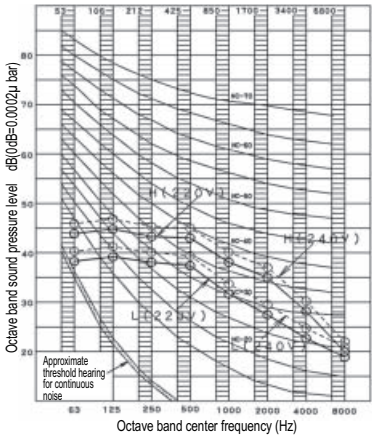
Scale	220V		220V	
	H	L	H	L
A	39	34	41	36
C	45	40.5	47	42.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  - ○———○ : 220 Hz
  - ○- - - -○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



FXCQ80MVE



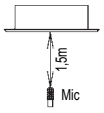
4D034334

NOTE

Scale	220V		220V	
	H	L	H	L
A	44	38	46	40
C	50.5	44.5	52.5	46.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  - ○———○ : 220 Hz
  - ○- - - -○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



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1 Features

Slim design for flexible installation

- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Reduced energy consumption thanks to specially developed DC fan motor
- Standard drain pump with 750mm lift increases flexibility and installation speed

Inverter | Home leave operation | Fan only | Auto cooling-heating changeover | Whisper quiet | Fan speed steps | Dry programme | Air filter | Weekly timer

Infrared remote control | Wired remote control | Centralised control | Auto-restart | Self diagnosis | Multi tenant | Drain pump kit

2 Specifications

2-1 Technical Specifications					FXDQ15A	FXDQ20A	FXDQ25A	FXDQ32A	FXDQ40A	FXDQ50A	FXDQ63A
Cooling capacity	Nom.			kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.			kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.		kW	0.071				0.078	0.099	0.110
	Heating	Nom.		kW	0.068				0.075	0.096	0.107
Power input - 60Hz	Cooling	Nom.		kW	0.071				0.078	0.099	0.110
	Heating	Nom.		kW	0.068				0.075	0.096	0.107
Dimensions	Unit	Height		mm	200						
		Width		mm	750				950		1,150
		Depth		mm	620						
	Packed unit	Height		mm	260						
		Width		mm	944				1,144		1,344
		Depth		mm	785						
Required ceiling void \>				mm	240						
Weight	Unit			kg	22				26		29
	Packed unit			kg	30				34		38
Casing	Colour				Galvanised steel / Non painted						
Heat exchanger	Length			mm	500				700		900
	Rows	Quantity			2			3			
	Fin pitch			mm	1.5						
	Passes	Quantity			3			6			
	Face area			m²	0.126				0.176		0.227
	Stages	Quantity			12						
	Empty tubeplate hole	Quantity			0			4	0		
	Tube type				ø7 Hi-XD						
	Fin	Type			Symmetric waffle louvre						
		Treatment			Hydrophilic						
Fan	Type				Sirocco fan						
	Quantity				1						
	Air flow rate - 50Hz	Cooling	High	m³/min	7.5	8.0			10.5	12.5	16.5
			Nom.	m³/min	7.0	7.2			9.5	11.0	14.5
			Low	m³/min	6.4				8.5	10.0	13.0
	Air flow rate - 60Hz	Cooling	Super high	m³/min	7.5	8.0			10.5	12.5	16.5
			High	m³/min	7.0	7.2			9.5	11.0	14.5
			Low	m³/min	6.4				8.5	10.0	13.0
	External static pressure - 50Hz	High		Pa	30				44		
		Nom.		Pa	10				15		
	External static pressure - 60Hz	High		Pa	30				44		
		Nom.		Pa	10				15		
Fan motor	Quantity				1						
	Model				KFD-280-44-8A				KFD-280-65-8A		
	Output	High		W	44				65		
Air filter	Type				Removable / washable / mildew proof						
Sound power level	Cooling	Nom.		dBA	50	51			52	53	54
Sound pressure level	Cooling	High		dBA	32	33			34	35	36
		Nom.		dBA	31				32	33	34
		Low		dBA	27				28	29	30
Refrigerant	Type				R-410A						
	Control				Electronic expansion valve						
Piping connections	Liquid	Type			Flare connection						
		OD		mm	9.52						
	Gas	Type			Flare connection						
		OD		mm	12.7						15.9
	Drain				VP20 (I.D. 20/O.D. 26)						
	Heat insulation				Both liquid and gas pipes						
Drain-up height				mm	600						
Safety devices	Item	01			Fuse						
		02			Thermal protector for fan motor						

2 Specifications

2-1 Technical Specifications		FXDQ15A	FXDQ20A	FXDQ25A	FXDQ32A	FXDQ40A	FXDQ50A	FXDQ63A
Control systems	Infrared remote control	BRC4C65						
	Simplified wired remote control for hotel applications	BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)						
	Wired remote control	BRC1D52 / BRC1E52A/B						

2-2 Electrical Specifications				FXDQ15A	FXDQ20A	FXDQ25A	FXDQ32A	FXDQ40A	FXDQ50A	FXDQ63A
Power supply	Name			VE						
	Phase			1~						
	Frequency		Hz	50/60						
	Voltage		V	220-240/220						
Voltage range	Min.		%	-10						
	Max.		%	10						
Current - 50Hz	Minimum circuit amps (MCA)		A	0.4				0.5		0.6
	Maximum fuse amps (MFA)		A	16						
	Full load amps (FLA)	Total	A	0.3				0.4		0.5
Current - 60Hz	Minimum circuit amps (MCA)		A	0.4				0.5		0.6
	Maximum fuse amps (MFA)		A	16						
	Full load amps (FLA)	Total	A	0.3				0.4		0.5

6
2

Notes

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

External static pressure is changeable to set by the remote control (from standard to high, see installation manual)

The operation sound levels are conversion values in anechoic chamber. In practice, sound levels tend to be higher than the specified values due to ambient noise or reflection. The sound level will increase by ± 5dBA when the suction place is changed to bottom suction.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 15A

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

3 Electrical data

3 - 1 Electrical Data

FXDQ-A

Model	Power supply					IFM		Input	
	Hz	Volts	Voltage range	MCA	MFA	kW	FLA	Cooling	Heating
FXDQ15A	50	220-240V	Max. 264V Min. 198V	0.4	16	0.036	0.3	71	68
FXDQ20A				0.4		0.036	0.3	71	68
FXDQ25A				0.4		0.036	0.3	71	68
FXDQ32A				0.4		0.036	0.3	71	68
FXDQ40A				0.5		0.038	0.4	78	75
FXDQ50A				0.5		0.038	0.4	99	96
FXDQ63A				0.6		0.06	0.5	110	107
FXDQ15A	60	220V	Max. 242V Min. 198V	0.4	16	0.036	0.3	71	68
FXDQ20A				0.4		0.036	0.3	71	68
FXDQ25A				0.4		0.036	0.3	71	68
FXDQ32A				0.4		0.036	0.3	71	68
FXDQ40A				0.5		0.038	0.4	78	75
FXDQ50A				0.5		0.038	0.4	99	96
FXDQ63A				0.6		0.060	0.5	110	107

SYMBOLS

MCA : Min. Circuit Amps. (A)
MFA : Max. Fuse Amps. (See note 5)
kW : Fan Motor Rated Output (kW)
FLA : Full Load Amps. (A)
IFM : Indoor Fan Motor.

NOTES

1 Voltage range
Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above the listed range limits.
2 Maximum allowable voltage unbalance between phases is 2%.
3 MCA/MFA
MCA=1.25xFLA
MFA≤4xFLA
(next lower standard fuse rating, min.15A)
4 Select wire size based on the MCA.
5 Instead of fuse, use circuit breaker.

4D081432

4 Options

4 - 1 Options

FXDQ-A

	Option name	Model name	Status	Available VRV: FXDQ15A, FXDQ20A, FXDQ25A, FXDQ32A, FXDQ40A, FXDQ50A, FXDQ63A	Available SA: FDXS25F, FDXS35F, FDXS50F, FDXS60F
Individual control systems	Wired remote control	BRC1D52 / BRC1D61 (1) / BRC1E51A	exist	○	○
	Simplified remote control Stylish remote control	BRC2E52C (3)	exist	○	○
	Remote control for hotel use	BRC3E52C (3)	exist	○	○
	Infrared remote control (H/P)	BRC4C65	exist	○	○
Centralised control systems	Central remote control	DCS302CA51 / DCS302CA61 (1)	exist	○	○
	Unified on/off controller	DCS301BA51 / DCS301BA61(A)	exist	○	○
	Schedule timer	DST301BA51 / DST301BA61 (1)	exist	○	○
	Residential central remote control	DCS303A51 (1) (2)	exist	○	○
Other options	Adapter for wiring	KRP1B56	exist	○	○
	Wiring adapter for electrical appendices 1	KRP2A53	exist	○	○
	Wiring adapter for electrical appendices 2	KRP4A54	exist	○	○
	Remote sensor	KRCS01-4B	exist	○	○
	Installation for adapter PCB	KRP1BA101	exist	○	○
	Electric box with earth terminal - 2 blocks	KJB212AA	exist	○	○
	Electric box with earth terminal - 3 blocks	LJB311AA	exist	○	○
	Noise filter (for electromagnetic interface use only)	KEK26-1A	exist	○	○
	External control adapter for outdoor unit (must bi installed on indoor unit)	DTA104A53	exist	○	-
	Multi tenant	DTA114A61	exist	○	-
	Insulation kit for high humitidy	KDT25N32 / DTS25N50 / KDT25N63	exist	○	○
	Digital input adapter	BRP7A54	exist	○	○

NOTES

1. For DAME only.
2. For residential use only. Cannot be used with other contralised control equipment.
3. Included languages are:
   Language pack 1: english, german, french, dutch, spanish, italian and portugese.
   With PC cable EKPCCAB3 in combination with the updater PC software, you can additionally change the language to:
   Language pack 2: english, bulgarian, croatian, czech, hungarian, romanian and slovenian.
   Language pack 3: english, greek, polish, russian, serbian, slovak and turkish.
4. Only possible in combination with simplified remote control BRC2/3E52C.
5. Requires installation box for adapter PCB.

3D086534B

5 Capacity tables

5 - 1 Cooling Capacity Tables

FXDQ-A

Cooling Capacity

TC: Total capacity; kW
SHC: Sensible heat capacity; kW

Unit size	Outdoor °CDB	Indoor air temp.													
		14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB	
		20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	35.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.4	1.8	1.4	1.9	1.4
20	35.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.7	2.4	1.8
25	35.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.0	2.1	3.1	2.0
32	35.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	3.9	2.5	4.0	2.5
40	35.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.7	3.2	4.9	3.1	5.0	3.2
50	35.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	5.9	4.0	6.0	3.9	6.2	3.7
63	35.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.5	4.8	7.7	4.8	7.8	4.8

3TW32902-4A

5 Capacity tables

5 - 2 Heating Capacity Tables

FXDQ-A

Heating Capacity

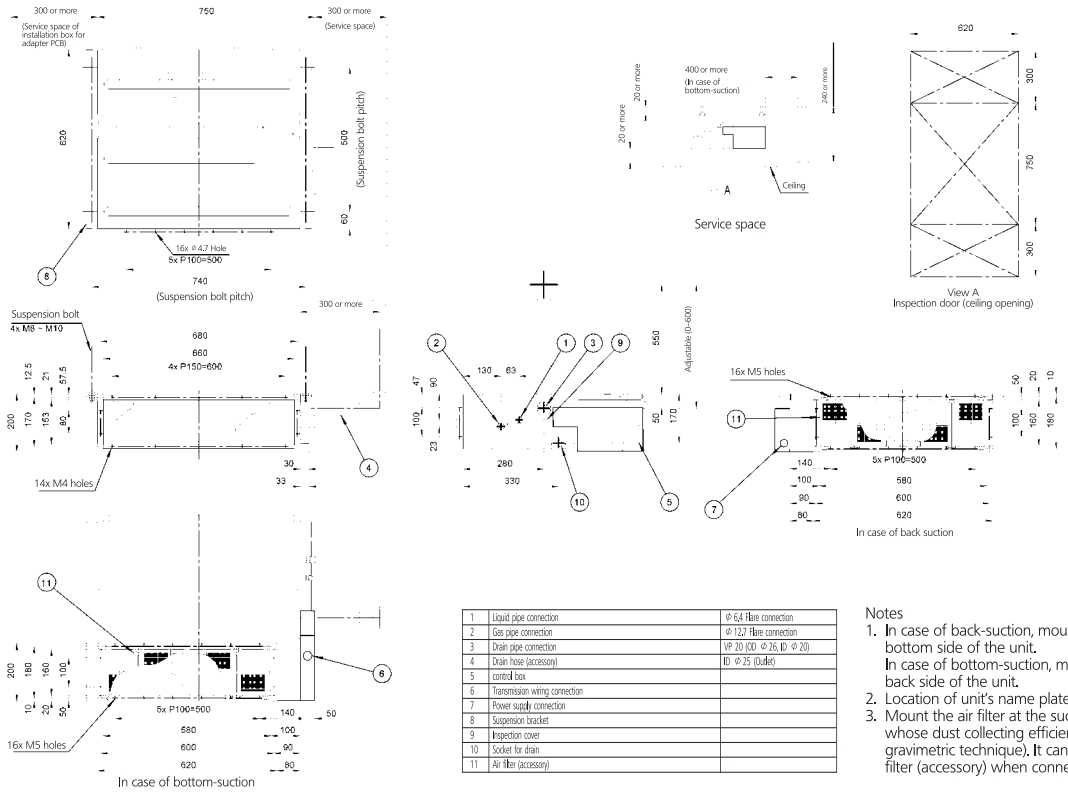
Unit size	Outdoor air temp		On coil temp.: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
15	7.0	6.0	2.0	2.0	1.9	1.8	1.8	1.7
20	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
25	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
32	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
40	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
50	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
63	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0

3TW32902-3

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXDQ15-32A



1	Liquid pipe connection	Φ 6,4 Flare connection
2	Gas pipe connection	Φ 12,7 Flare connection
3	Drain pipe connection	VP 20 (OD: Φ 26, ID: Φ 20)
4	Drain hose (accessory)	ID: Φ 25 (Outlet)
5	control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Inspection cover	
10	Socket for drain	
11	Air filter (accessory)	

Notes
1. In case of back-suction, mount chamber cover to bottom side of the unit.
   In case of bottom-suction, mount chamber cover to back side of the unit.
2. Location of unit's name plate: control box cover.
3. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique). It can not be equipped with air filter (accessory) when connecting duct to suction side.

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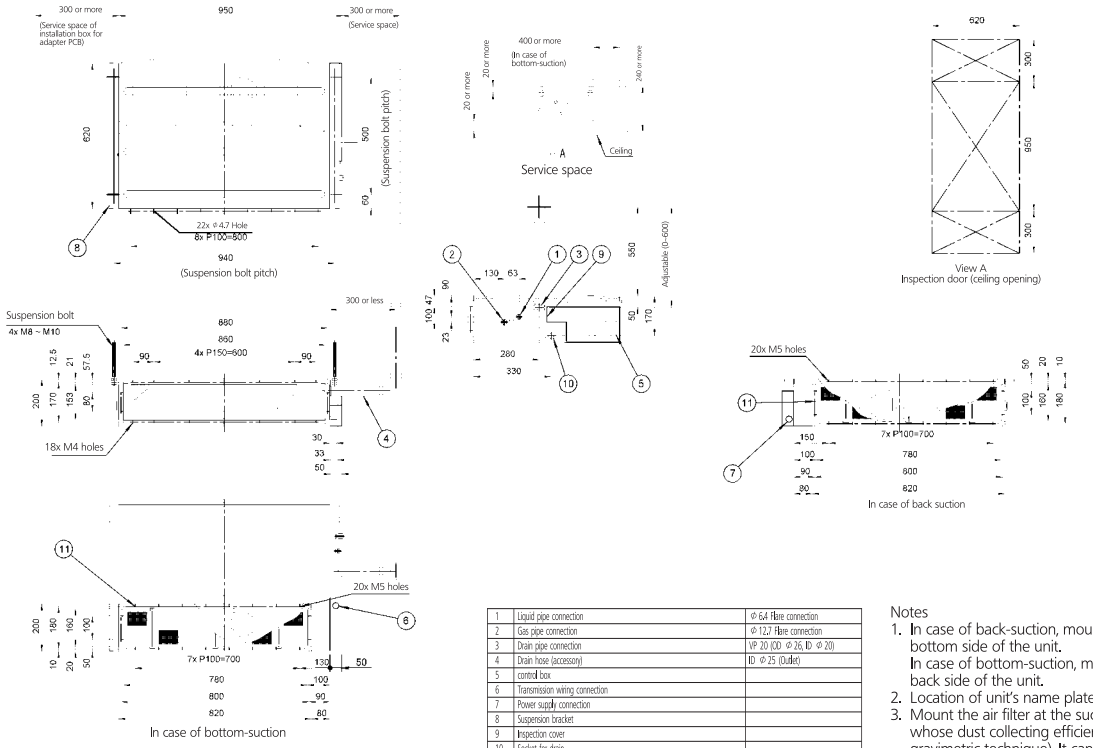
FXDQ40-50A



1	Liquid pipe connection	Φ 6,4 Flare connection
2	Gas pipe connection	Φ 12,7 Flare connection
3	Drain pipe connection	VP 20 (OD: Φ 26, ID: Φ 20)
4	Drain hose (accessory)	ID: Φ 25 (Outlet)
5	control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Inspection cover	
10	Socket for drain	
11	Air filter (accessory)	

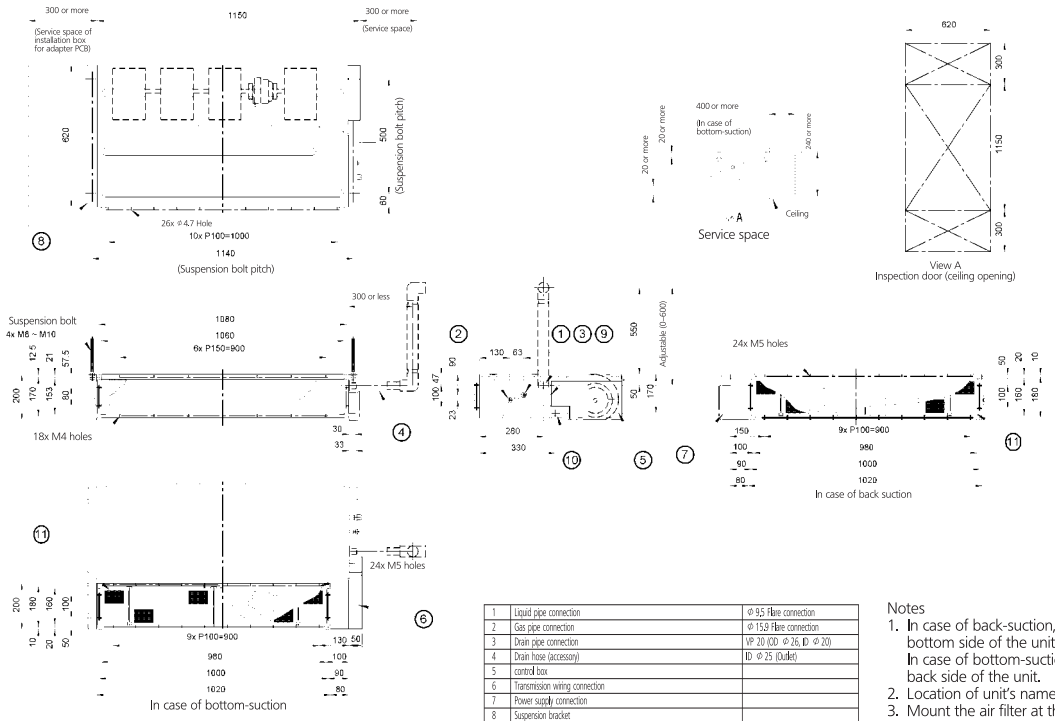
Notes
1. In case of back-suction, mount chamber cover to bottom side of the unit.
   In case of bottom-suction, mount chamber cover to back side of the unit.
2. Location of unit's name plate: control box cover.
3. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique). It can not be equipped with air filter (accessory) when connecting duct to suction side.

3D081436

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXDQ63A



1	Liquid pipe connection	φ 9.5 Flare connection
2	Gas pipe connection	φ 15.9 Flare connection
3	Drain pipe connection	VP 20 (OD: φ 26, ID: φ 20)
4	Drain hose (accessory)	ID: φ 25 (Outlet)
5	control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Inspection cover	
10	Socket for drain	
11	Air filter (accessory)	

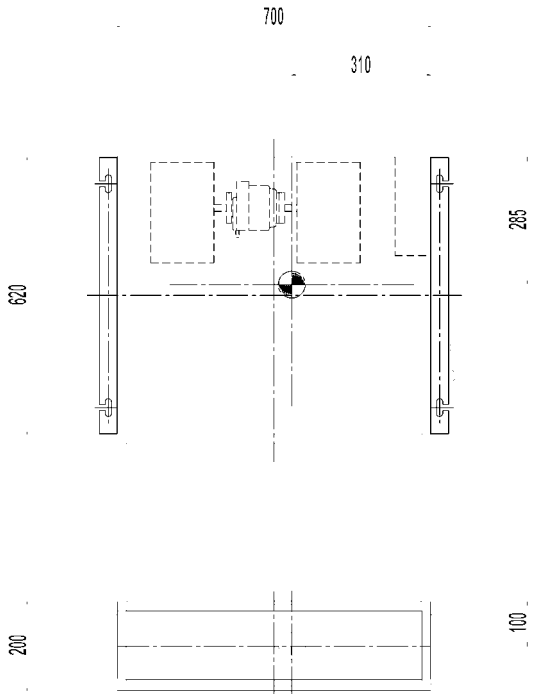
Notes
1. In case of back-suction, mount chamber cover to bottom side of the unit.
   In case of bottom-suction, mount chamber cover to back side of the unit.
2. Location of unit's name plate: control box cover.
3. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique). It can not be equipped with air filter (accessory) when connecting duct to suction side.

3D081441

7 Centre of gravity

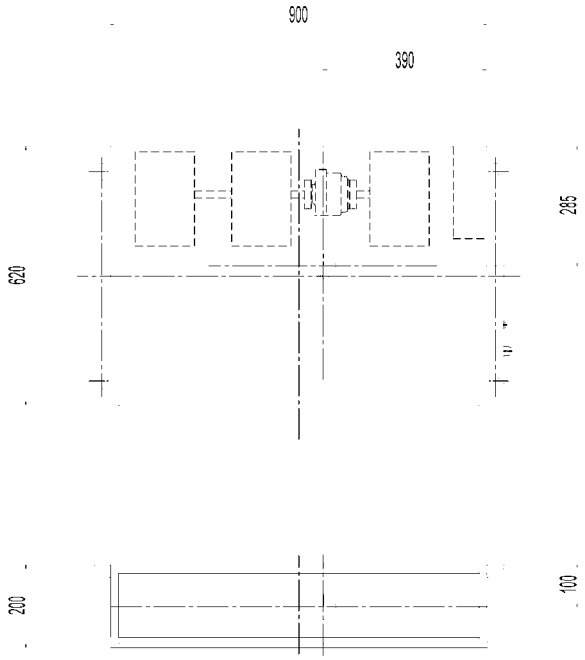
7 - 1 Centre of Gravity

FXDQ15-32A



4D081430A

FXDQ40-50A

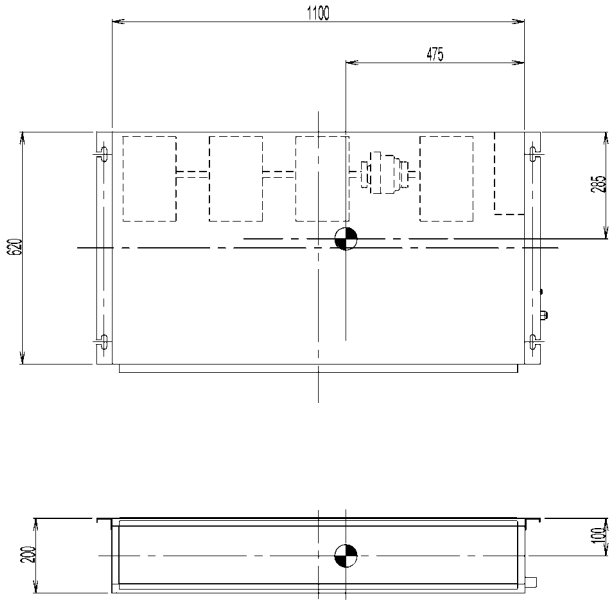


4D081431A

7 Centre of gravity

7 - 1 Centre of Gravity

FXDQ63A

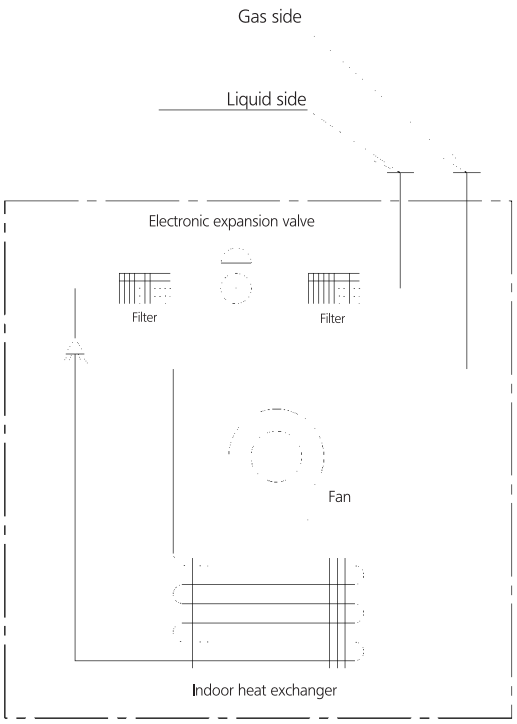


4D081433A

8 Piping diagrams

8 - 1 Piping Diagrams

FXDQ-A



4D081336

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXDQ-A

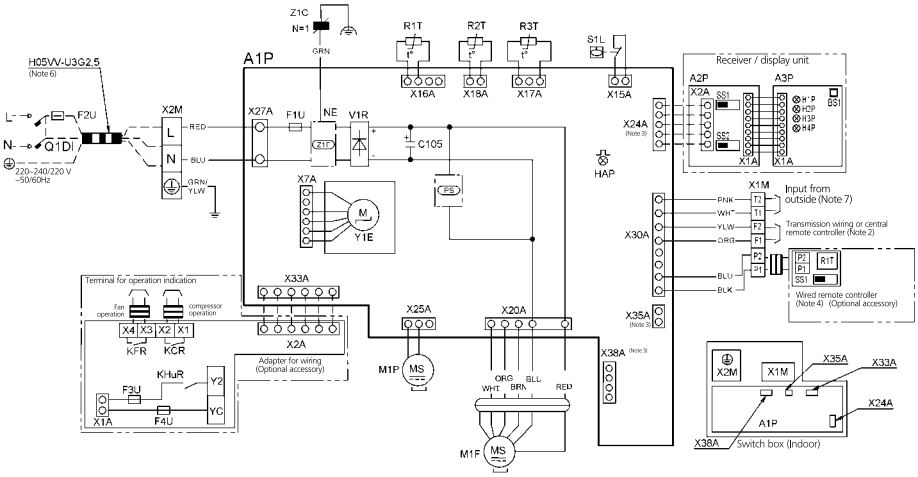
Indoor unit
- A1P : Printed circuit board
- C105 : Capacitor
- PS : Power supply circuit
- F1U : Fuse (T, 3,15A, 250V)
- F2U : Field use
- Z1C : Ferrite core (Noise filter)
- HAP : Light emitting diode (Service monitor-green)
- M1F : Motor (Fan)
- M1P : Motor (Drain pump)
- Q1DI : Earth leak detector
- R1T : Thermistor (Air)
- R2T,R3T : Thermistor (Coil)
- S1L : Float switch
- V1R : Diode bridge
- X1M : Terminal block(Control)
- X2M : Terminal block(Power supply)
- Z1P : Noise filter

Receiver / display unit
- A2P : Printed circuit board
- A3P : Printed circuit board
- BS1 : Push button (On/Off)
- H1P : Light emitting diode (on-red)
- H2P : Light emitting diode (filter sign-red)
- H3P : Light emitting diode (timer-green)
- H4P : Light emitting diode (defrost-orange)
- SS1 : Selector switch(Main/Sub)
- SS2 : Selector switch(Infrared adress set)

Connector for optional parts
- X24A : Connector (Infrared remote controller)
- X33A : Connector (Adapter for wiring)
- X35A : Connector (Power supply connector)
- X38A : Connector (Multitenant)

Adapter for wiring
- F3U,F4U : Fuse ((B), 5A, 250V)
- KFR, KCR, KHuR : Magnetic relay

Wired remote controller
- R1T : Thermistor (air)
- SS1 : Select switch (MAIN-SUB)



Notes

1. ▭▭▭ : Terminal block ⊠, ⊢: Connector, ▭ = : Field wiring
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. X24A, X33A, X35A, X38A are connected when the optional accessories are being used.
4. In case of main/sub overchange, see the installation manual attached to remote controller.
5. Symbols show as follows: RED:Red BLK:Black WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink GRY:Gray BLU:Blue
6. Shows only in case of protected pipes, use HO7RN-F in case of no protection.
7. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller, see manual for detail.

- L : Live
- N : Neutral
- • : Wire clamp
- ⏚ : Protective earth (screw)

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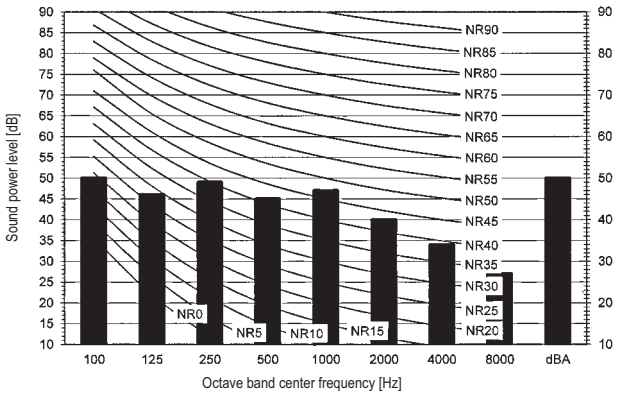
6
9

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ15A

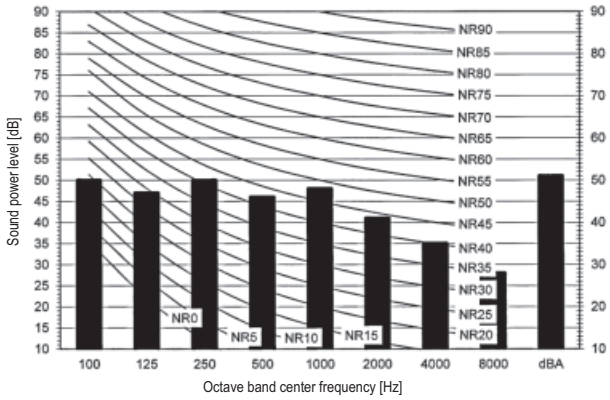


4D088131

NOTES

1. dBA = A-weighted sound power level (A-scale according to IEC)
2. Reference acoustic intensity 0dB = 10E-6μW/m²
3. Measured according to ISO 3744

FXDQ20A

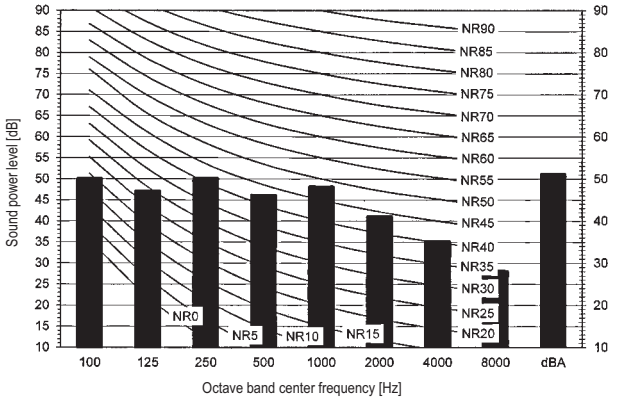


4D088132

NOTES

1. dBA = A-weighted sound power level (A-scale according to IEC)
2. Reference acoustic intensity 0dB = 10E-6μW/m²
3. Measured according to ISO 3744

FXDQ25A

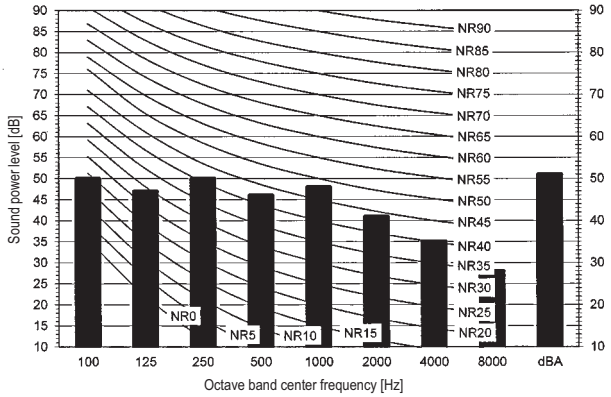


4D088133

NOTES

1. dBA = A-weighted sound power level (A-scale according to IEC)
2. Reference acoustic intensity 0dB = 10E-6μW/m²
3. Measured according to ISO 3744

FXDQ32A



4D088134

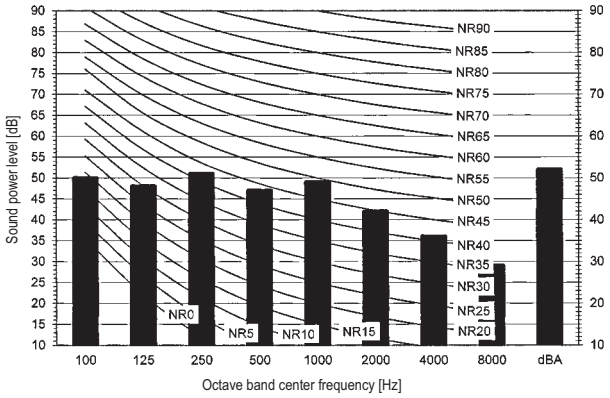
NOTES

1. dBA = A-weighted sound power level (A-scale according to IEC)
2. Reference acoustic intensity 0dB = 10E-6μW/m²
3. Measured according to ISO 3744

10 Sound data

10 - 1 Sound Power Spectrum

FXDQ40A

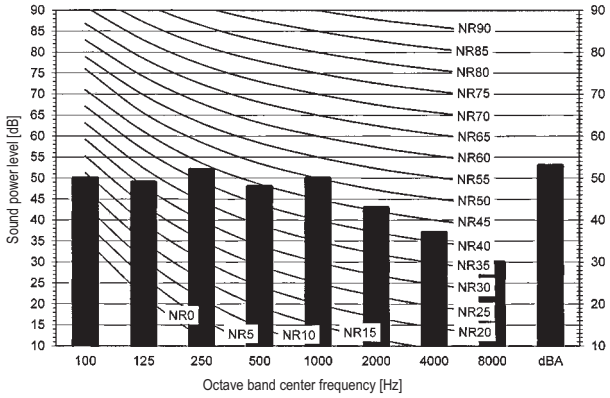


4D088135

NOTES

1. dBA = A-weighted sound power level (A-scale according to IEC)
2. Reference acoustic intensity 0dB = 10E-6μW/m²
3. Measured according to ISO 3744

FXDQ50A

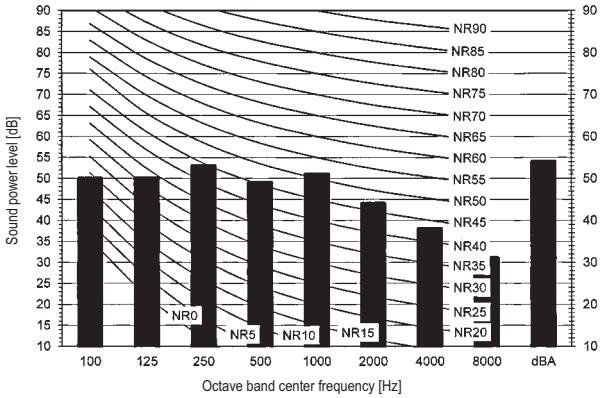


4D088136

NOTES

1. dBA = A-weighted sound power level (A-scale according to IEC)
2. Reference acoustic intensity 0dB = 10E-6μW/m²
3. Measured according to ISO 3744

FXDQ63A



4D088137

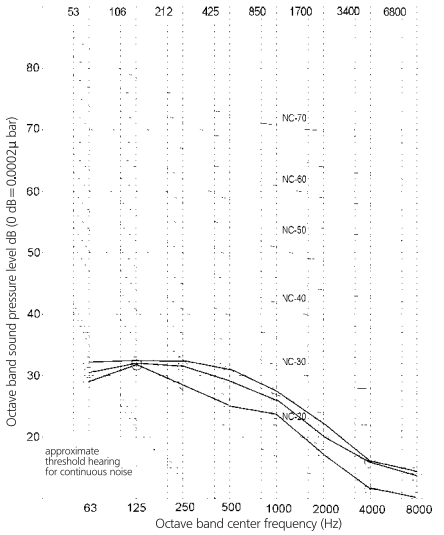
NOTES

1. dBA = A-weighted sound power level (A-scale according to IEC)
2. Reference acoustic intensity 0dB = 10E-6μW/m²
3. Measured according to ISO 3744

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ15A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	32	31	27

(B,G,N is already rectified)

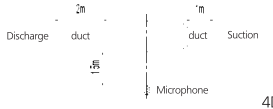
2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 10Pa.

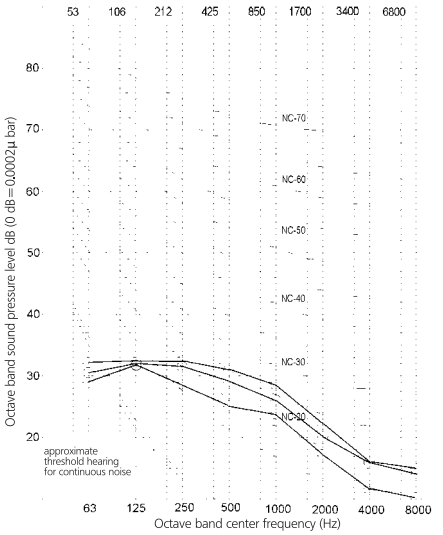
5 Operating conditions:
Power source 220-240V/50Hz, 220V/60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



4D081438

FXDQ20A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	33	31	27

(B,G,N is already rectified)

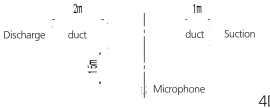
2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 10Pa.

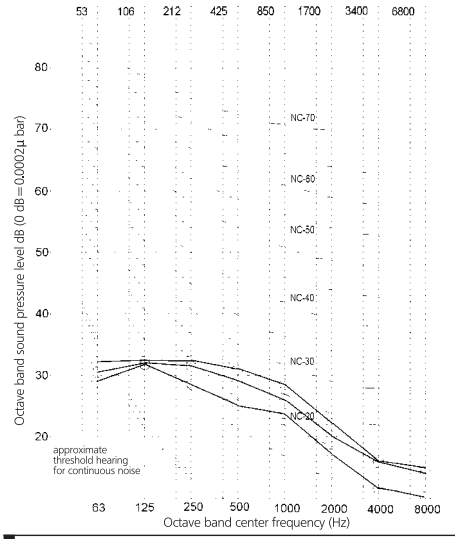
5 Operating conditions:
Power source 220-240V/50Hz, 220V/60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



4D081439

FXDQ25A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	33	31	27

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

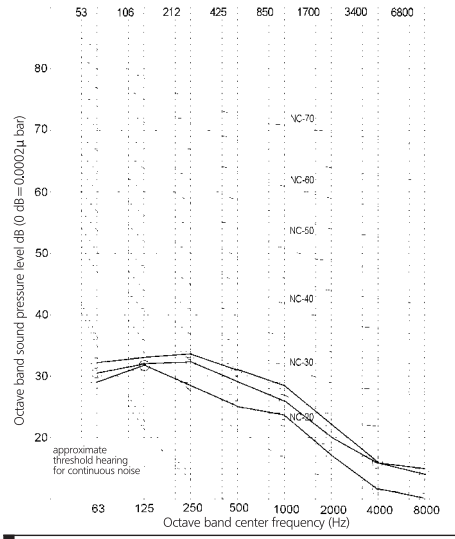
4 The operating sound is based on the rear side suction inlet, and the external static pressure 10Pa.

5 Operating conditions:
Power source 220-240V/50Hz, 220V/60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

4D081440

FXDQ32A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	33	31	27

(B,G,N is already rectified)

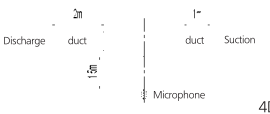
2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 10Pa.

5 Operating conditions:
Power source 220-240V/50Hz, 220V/60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

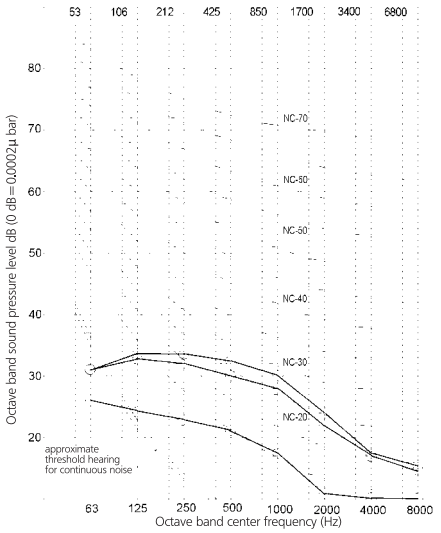


4D081442

10 Sound data

10 - 2 Sound Pressure Spectrum

FXDQ40A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	34	32	28

(B,G,N is already rectified)

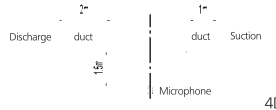
2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 15Pa.

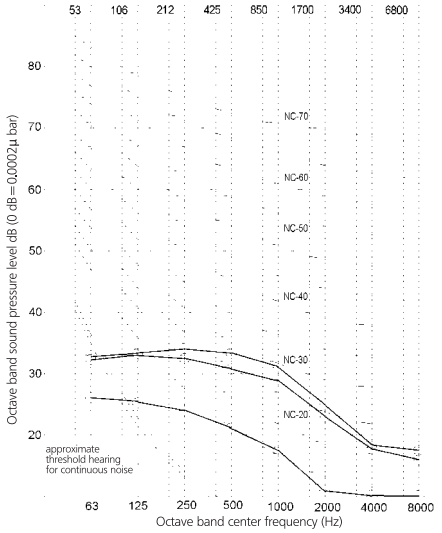
5 Operating conditions:
Power source 220-240V/50Hz, 220V/60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



4D081443

FXDQ50A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	35	33	29

(B,G,N is already rectified)

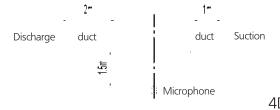
2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 15Pa.

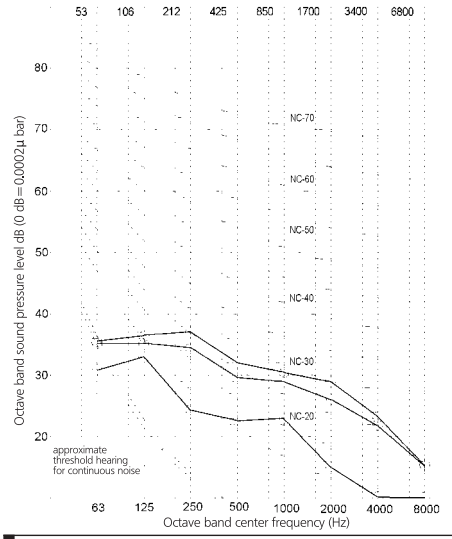
5 Operating conditions:
Power source 220-240V/50Hz, 220V/60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:



4D081444

FXDQ63A



NOTES

1 Overall (dB)

Scale	Air flow rate		
	H	M	L
A	36	34	30

(B,G,N is already rectified)

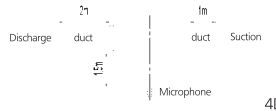
2 Measuring place: Anechoic chamber

3 Operation noise differs with operation and ambient conditions.

4 The operating sound is based on the rear side suction inlet, and the external static pressure 15Pa.

5 Operating conditions:
Power source 220-240V/50Hz, 220V/60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB

6 Location of microphone:

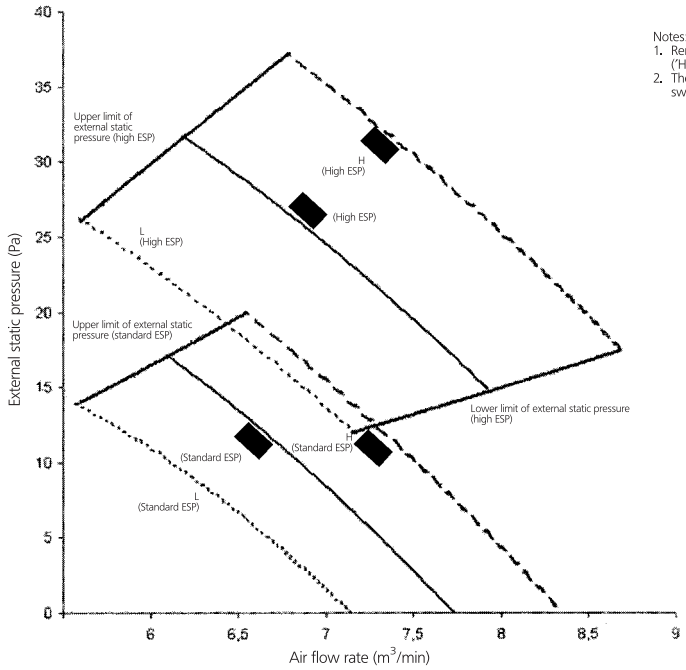


4D081445

11 Fan characteristics

11 - 1 Fan Characteristics

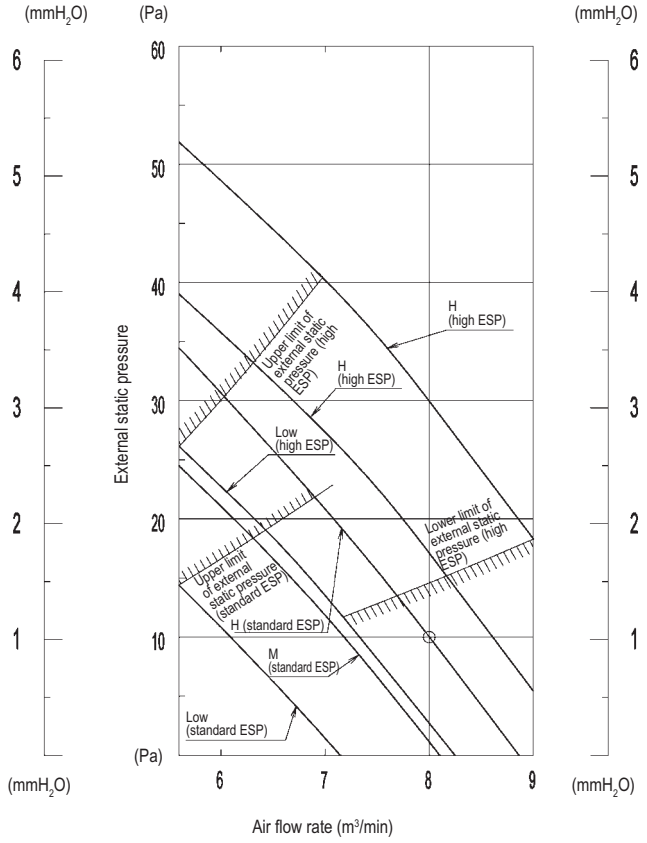
FXDQ15A



Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081424A

FXDQ20-25A



NOTES

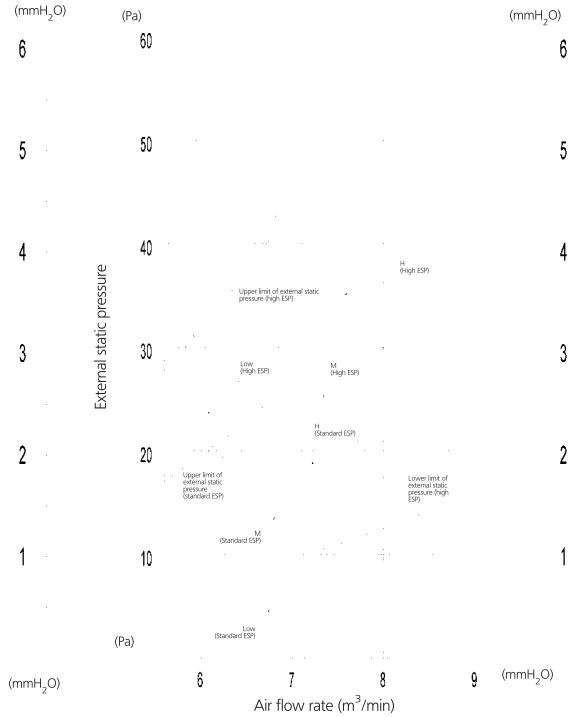
1. Remote control can be used to swith between "high" and "low". ("H", "M" and "L" for FXDQ-A model)
2. The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by remote control.

3D086736A

11 Fan characteristics

11 - 1 Fan Characteristics

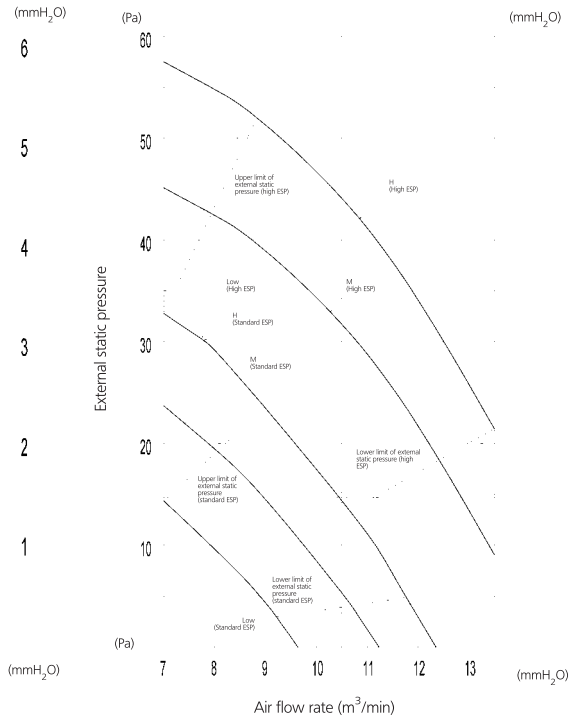
FXDQ32A



Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081425

FXDQ40A



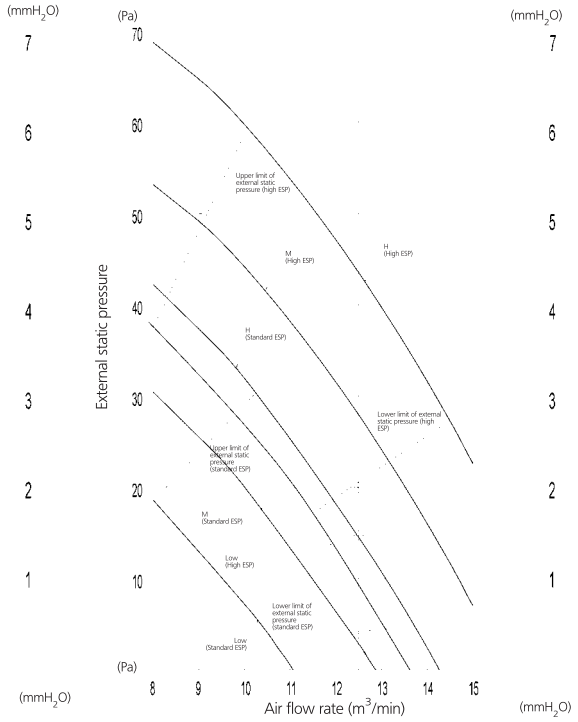
Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081426

11 Fan characteristics

11 - 1 Fan Characteristics

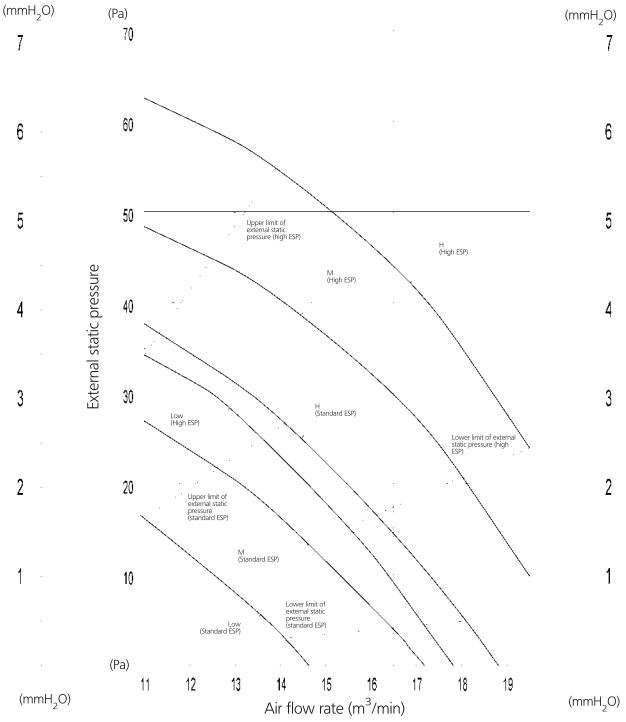
FXDQ50A



Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081427

FXDQ63A



Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FXDQ-A2VEB model)
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081429

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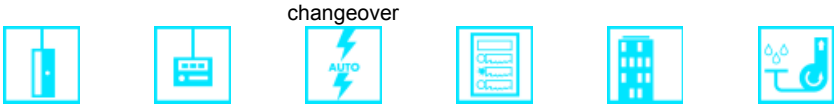
1 Features

Slimmest yet most powerful medium static pressure unit on the market

- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Whisper quiet operation: down to 25dBA sound pressure level
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases increases flexibility and installation speed

Home leave operation | Fan only | Auto cooling-heating changeover | Whisper quiet | Fan speed steps | Dry programme | Air filter | Weekly timer | Infrared remote control



Wired remote control | Centralised control | Auto-restart | Self diagnosis | Multi tenant | Drain pump kit

2 Specifications

2-1 Technical Specifications					FXSQ15A	FXSQ20A	FXSQ25A	FXSQ32A	FXSQ40A	FXSQ50A
Cooling capacity	Nom.			kW	1.7	2.2	2.8	3.6	4.5	5.6
Heating capacity	Nom.			kW	1.9	2.5	3.2	4.0	5.0	6.3
Power input - 50Hz	Cooling	Nom.		kW	0.041			0.045	0.092	0.095
	Heating	Nom.		kW	0.038			0.042	0.089	0.092
Dimensions	Unit	Height		mm	245					
		Width		mm	550				700	
		Depth		mm	800					
	Packed unit	Height		mm	890					
		Width		mm	750				900	
		Depth		mm	295					
Weight	Unit			kg	23.5			24	28.5	29
	Packed unit			kg	25			25.5	30	30.5
Casing	Colour				Not painted (galvanised)					
	Material				Galvanised steel plate					
Heat exchanger	Fin	Type			Cross fin coil (Multi slit fins with hydrophilic treatment and Ø5Hi-XA tubes)					
Fan	Type				Sirocco fan					
	Quantity				1					
	Air flow rate - 50Hz	Cooling	High	m³/min	8.7	9		9.5	15	15.2
			Nom.	m³/min	7.5			8	12.5	
			Low	m³/min	6.5			7.0	11	
		Heating	High	m³/min	8.7	9		9.5	15	15.2
			Nom.	m³/min	7.5			8	12.5	
			Low	m³/min	6.5			7	11	
	External static pressure - 50Hz	High		Pa	150 (1)					
		Nom.		Pa	30					
Fan motor	Quantity				1					
	Model				Brushless DC motor					
	Speed	Steps			3					
	Output	High		W	78				130	
Air filter	Type				Resin net with mold resistance					
Sound power level	Cooling	Nom.		dBA	54			55	60	
Sound pressure level	Cooling	High		dBA	29.5	30		31	35	
		Nom.		dBA	28			29	32	
		Low		dBA	25			26	29	
	Heating	High		dBA	31.5	32		33	37	
		Nom.		dBA	29			30	34	
		Low		dBA	26			27	29	
Refrigerant	Type				R-410A					
Piping connections	Liquid	Type			Flare connection					
		OD		mm	6.35					
	Gas	Type			Flare connection					
		OD		mm	12.7					
	Drain				VP20 (I.D. 20/O.D. 26)					
	Heat insulation				Foamed polystyrene/polyethylene					
	Sound absorbing insulation				Butyl Rubber					
Drain-up height				mm	625					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1D52 / BRC1E52A/B					
	Simplified wired remote control for hotel applications				BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)					

Standard Accessories : Installation and operation manual; Quantity : 1;

Standard Accessories : Drain hose; Quantity : 1;

Standard Accessories : Metal clamp for drain hose; Quantity : 1;

Standard Accessories : Washer for hanger bracket; Quantity : 8;

Standard Accessories : Screws; Quantity : 40;

2 Specifications

Standard Accessories : Insulation for fitting; Quantity : 2;
Standard Accessories : Sealing pad; Quantity : 5;
Standard Accessories : Clamps; Quantity : 4;

2-2 Technical Specifications					FXSQ63A	FXSQ80A	FXSQ100A	FXSQ125A	FXSQ140A
Cooling capacity	Nom.			kW	7.1	9.0	11.2	14.0	16.0
Heating capacity	Nom.			kW	8.0	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	Nom.		kW	0.095	0.121	0.157	0.214	0.243
	Heating	Nom.		kW	0.092	0.118	0.154	0.211	0.240
Dimensions	Unit	Height		mm	245				
		Width		mm	1,000		1,400		1,550
		Depth		mm	800				
	Packed unit	Height		mm	890				
		Width		mm	1,200		1,600		1,750
		Depth		mm	295				
Weight	Unit			kg	35.5	36.5	46	47	51
	Packed unit			kg	37.5	38.5	48	49	53
Casing	Colour				Not painted (galvanised)				
	Material				Galvanised steel plate				
Heat exchanger	Fin	Type			Cross fin coil (Multi slit fins with hydrophilic treatment and Ø5Hi-XA tubes)				
Fan	Type				Sirocco fan				
	Quantity				2		3		
	Air flow rate - 50Hz	Cooling	High	m³/min	21.0	23	32	36	39
			Nom.	m³/min	18	19.5	27	31.5	34
			Low	m³/min	15	16	23	26	28
		Heating	High	m³/min	21	23	32	36	39
			Nom.	m³/min	18	19.5	27	31.5	34
			Low	m³/min	15	16.0	23	26	28
	External static pressure - 50Hz	High		Pa	150 (1)				
		Nom.		Pa	30	40		50	
Fan motor	Quantity				1				
	Model				Brushless DC motor				
	Speed	Steps			3				
	Output	High		W	230		300		350
Air filter	Type				Resin net with mold resistance				
Sound power level	Cooling	Nom.		dBA	59	61		64	
Sound pressure level	Cooling	High		dBA	33	35	36	39	41.5
		Nom.		dBA	30	32	34	36	38
		Low		dBA	27	29	31	33	34
	Heating	High		dBA	35	37		40	42
		Nom.		dBA	32	34		37	38.5
		Low		dBA	28	30	31	33	34
Refrigerant	Type				R-410A				
Piping connections	Liquid	Type			Flare connection				
		OD		mm	9.52				
	Gas	Type			Flare connection				
		OD		mm	15.9				
	Drain				VP20 (I.D. 20/O.D. 26)				
	Heat insulation				Foamed polystyrene/polyethylene				
	Sound absorbing insulation				Butyl Rubber				
Drain-up height				mm	625				
Control systems	Infrared remote control				BRC4C65				
	Wired remote control				BRC1D52 / BRC1E52A/B				
	Simplified wired remote control for hotel applications				BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)				

Standard Accessories : Installation and operation manual; Quantity : 1;
Standard Accessories : Drain hose; Quantity : 1;
Standard Accessories : Metal clamp for drain hose; Quantity : 1;
Standard Accessories : Washer for hanger bracket; Quantity : 8;

2 Specifications

Standard Accessories : Screws; Quantity : 40;
Standard Accessories : Insulation for fitting; Quantity : 2;
Standard Accessories : Sealing pad; Quantity : 5;
Standard Accessories : Clamps; Quantity : 4;

2-3 Electrical Specifications				FXSQ15A	FXSQ20A	FXSQ25A	FXSQ32A	FXSQ40A	FXSQ50A
Power supply	Name			VE					
	Phase			1~					
	Frequency		Hz	50/60					
	Voltage		V	220-240/220					
Voltage range	Min.		%	-10					
	Max.		%	10					
Current - 50Hz	Minimum circuit amps (MCA)		A	0.4				0.8	
	Maximum fuse amps (MFA)		A	16					
	Full load amps (FLA)	Total	A	0.3				0.6	

2-4 Electrical Specifications				FXSQ63A	FXSQ80A	FXSQ100A	FXSQ125A	FXSQ140A
Power supply	Name			VE				
	Phase			1~				
	Frequency		Hz	50/60				
	Voltage		V	220-240/220				
Voltage range	Min.		%	-10				
	Max.		%	10				
Current - 50Hz	Minimum circuit amps (MCA)		A	0.9	1.0	1.5	2.0	1.9
	Maximum fuse amps (MFA)		A	16				
	Full load amps (FLA)	Total	A	0.7	0.8	1.2	1.6	1.5

Notes

(1) Contains fluorinated greenhouse gases

The sound power level is an absolute value indicating the power which a sound source generates.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Select wire size based on the value of MCA

Maximum allowable voltage range variation between phases is 2%.

Use a circuit breaker instead of a fuse.

MCA/MFA; MCA= 1,25 x FLA; MFA=\< 4 x FLA; The next lower standard fuse rating is minimum 16 ampere.

3 Electrical data

3 - 1 Electrical Data

FXSQ-A

	Power supply					IFM	Power input [W]	
Model	A	B	C	MCA	MFA	FLA	Cooling	Heating
FXSQ15A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,4	16	0,3	41	38
FXSQ20A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,4	16	0,3	41	38
FXSQ25A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,4	16	0,3	41	38
FXSQ32A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,4	16	0,3	45	42
FXSQ40A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,8	16	0,6	92	89,0
FXSQ50A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,8	16	0,6	95	92
FXSQ63A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,9	16	0,7	95	92
FXSQ80A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	1,0	16	0,8	121	118
FXSQ100A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	1,5	16	1,2	157	154,0
FXSQ125A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	2,0	16	1,6	214	211
FXSQ140A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	1,9	16	1,5	243	240

Notes
1 Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
2 Select the wire size according to the MCA.
3 The maximum allowable voltage that is unbalanced between phases is 2%.
4 Use a circuit breaker instead of a fuse.
MCA/MFA
MCA=1.25 x FLA; MFA =< 4 x FLA
5 The next lower standard fuse rating is minimum 16 ampere.

Symbols
A Hz
B Voltage
C Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
IFM Indoor fan motor
FLA Full Load Ampere (A)

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4 Safety device settings

4 - 1 Safety Device Settings

FXSQ-A

	Safety devices		15	20	25	32	40	50	63	80	100	125	140
FXSQ	Printed circuit board (main)		250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	**250V, 3. 15A**
	Printed circuit board (fan)		250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	**250V, 6. 3A**
	Fan motor thermal protector	° C	---	---	---	---	---	---	---	---	---	---	**---**
	Drain pump fuse	° C	145	145	145	145	145	145	145	145	145	145	**145**

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7
4

5 Options

5 - 1 Options

FXSQ-A

Discharge related

Description		Option name	FXSQ15~32A	FXSQ40~50A	FXSQ63~80A	FXSQ100~125A	FXSQ140A
Air inlet and discharge related	Air discharge adapter for round duct	KDAP25A36A	x				
		KDAP25A56A		x			
		KDAP25A71A			x		
		KDAP25A140A				x	

Operation control

Description		Option name	FXSQ15~32A	FXSQ40~50A	FXSQ63~80A	FXSQ100~125A	FXSQ140A
Wired remote controller		BRC1D528	x	x	x	x	x
		BRC1E52A/B	x	x	x	x	x
Central remote controller		DCS302CA51	x	x	x	x	x
Unified ON/OFF controller		DCS301BA51	x	x	x	x	x
I-touch controller		DSC601A51	x	x	x	x	x
Schedule timer		DST301BA51	x	x	x	x	x
Adapter for wiring (interlock for fresh air intake fan)		KRP1BA59					
Wiring adapter for electrical appendices		KRP4A52	x (*4)	x (*4)	x (*4)	x (*4)	x (*4)
Wiring adapter for electrical appendices (*2)		KRP2A51	x (*4)	x (*4)	x (*4)	x (*4)	x (*4)
Interface adapter for Sky Air series		DTA112BA51					
Option PCB for external electrical heater, humidifier and/or hour meter		EKRP1B2A	x (*1,2,3)	x (*1,2,3)	x (*1,2,3)	x (*1,2,3)	x (*1,2,3)
Infrared remote controller	H/P	BRC4C65	x	x	x	x	x
	C/O	BRC4C66	x	x	x	x	x
Simplified remote controller (Hotel)		BRC2E52C7	x (*6)	x (*6)	x (*6)	x (*6)	x (*6)
Remote controller for hotel use		BRC23E52C7	x (*6)	x (*6)	x (*6)	x (*6)	x (*6)
Remote sensor		KRCS01-4B	x	x	x	x	x
Electric box with earth terminal - 3 blocks		KJB311A	x	x	x	x	x
Electric box with earth terminal - 2 blocks		KJB212A	x	x	x	x	x
Electric box with earth terminal		KJB411A	x	x	x	x	x
External adaptor for outdoor unit (installation on indoor unit)		DTA104A61	x	x	x	x	x
Option PCB for Multi tenant		DTA114A61	x	x	x	x	x
Installation box for adapter PCB		KRP1BA101	x	x	x	x	x
		KRP1B101	x	x	x	x	x
Digital input adaptor		BRP7A51	x (*3,5)	x (*3,5)	x (*3,5)	x (*3,5)	x (*3,5)

(*1) Electrical heater and humidifier are field supply. These parts should not be installed inside the equipment. (Refer to installation manual EKRP1B2A).
(*2) If installing an electrical heater, an option PCB for external electrical heater (EKRP1B2) for each indoor unit is required.
(*3) Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.
(*4) This option needs to be installed toghether with installation box KRP1B101 / KRP1BA101.
(*5) Only possible in combination with simplified remote control BRC2/3E52C7.
(*6) Included languages are:
Language pack 1: English, German, French, Dutch, Spanish, Italian and Portuguese.
With PC cable - EKPCCAB3 - in combination with the Updater PC software, you can additionally change the language to:
Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian.
Language pack 3: English, Greek, Polish, Russian, Serbian, Slovakian and Turkish.

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXSQ-A

FXSQ 50Hz	Unit size	Outdoor °CDB	14.0 WB		16.0 WB		18.0 WB		19.0 WB		20.0 WB		22.0 WB		24.0 WB	
			20.0 DB		23.0 DB		26.0 DB		27.0 DB		28.0 DB		30.0 DB		32.0 DB	
			TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	15	35.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.7	1.2	1.8	1.2	1.8	1.2
	20	35.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.2	1.6	2.3	1.5	2.3	1.5
	25	35.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.8	2.0	2.9	1.9	3.0	1.9
	32	35.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.6	2.6	3.7	2.5	3.8	2.4
	40	35.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.6	3.3	4.7	3.2	4.8	3.1
	50	35.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.7	4.1	5.8	3.9	5.9	3.8
	63	35.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.2	5.1	7.4	4.9	7.5	4.8
	80	35.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.1	6.4	9.3	6.2	9.5	5.9
	100	35.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.3	8.2	11.6	7.9	11.9	7.7
	125	35.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.2	10.0	14.5	9.7	14.9	9.4
	140	35.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	16.2	11.5	16.6	11.2	17.0	10.8

TC: Total capacity :kW
SHC: Sensible heating capacity :kW

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6 Capacity tables

6 - 2 Heating Capacity Tables

FXSQ-A

Unit size	Outdoor air temp.		Indoor air temp.: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
15	7.0	6.0	2.0	2.0	1.9	1.8	1.8	1.7
20	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
25	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
32	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
40	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
50	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
63	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
80	7.0	6.0	10.5	10.5	10.0	9.7	9.4	8.7
100	7.0	6.0	13.1	13.1	12.5	12.1	11.7	10.9
125	7.0	6.0	16.8	16.8	16.0	15.5	15.0	13.9
140	7.0	6.0	18.9	18.9	18.0	17.4	16.8	15.7

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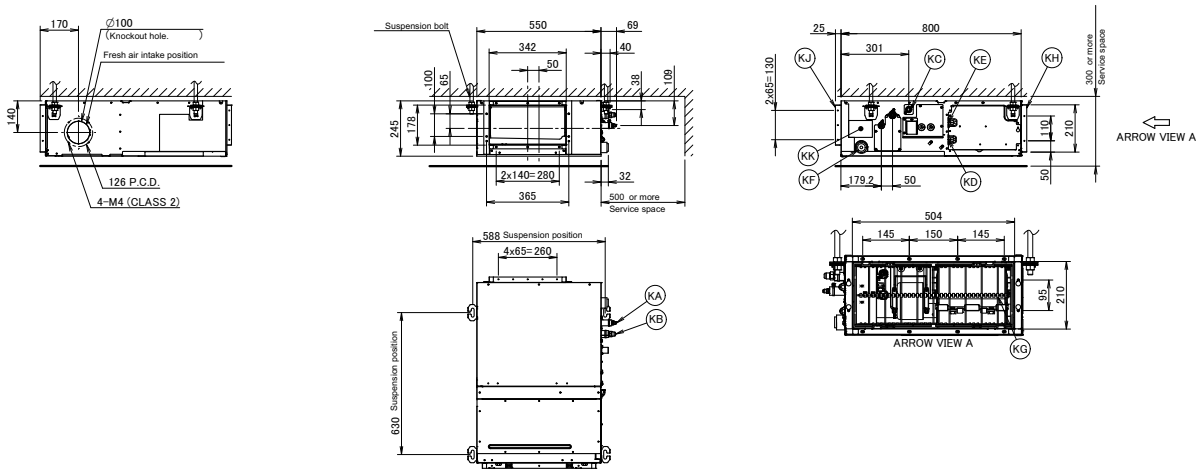
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXSQ15-32A



Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

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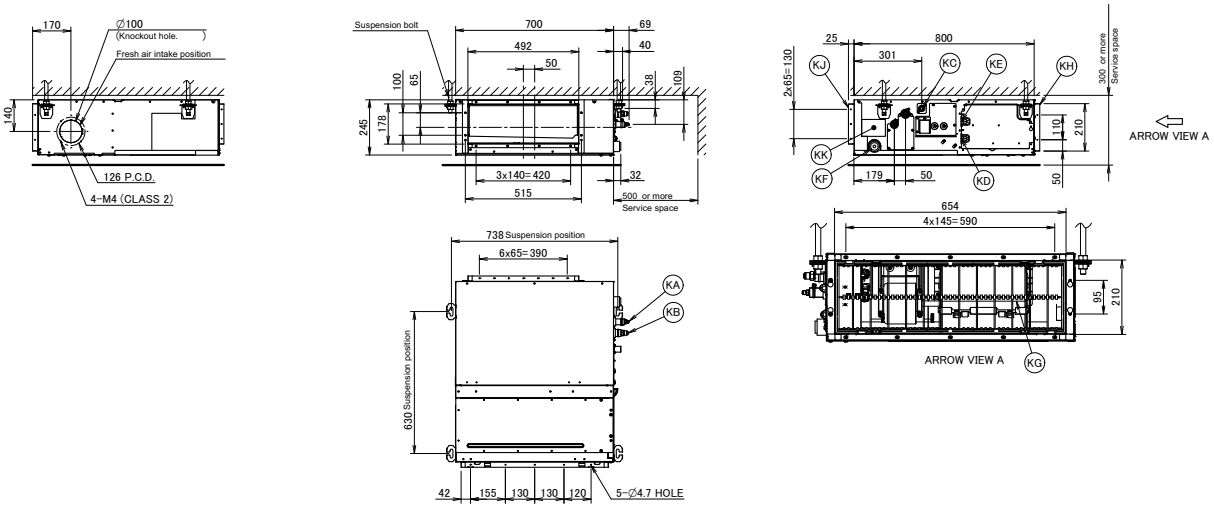
FXSQ40-50A



Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

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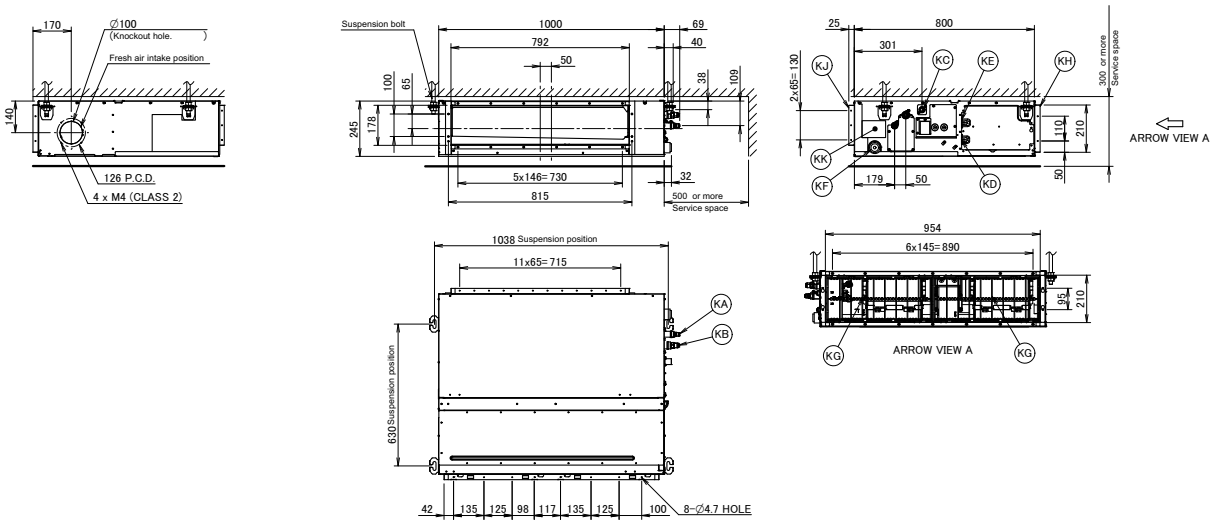
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXSQ63-80A



Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

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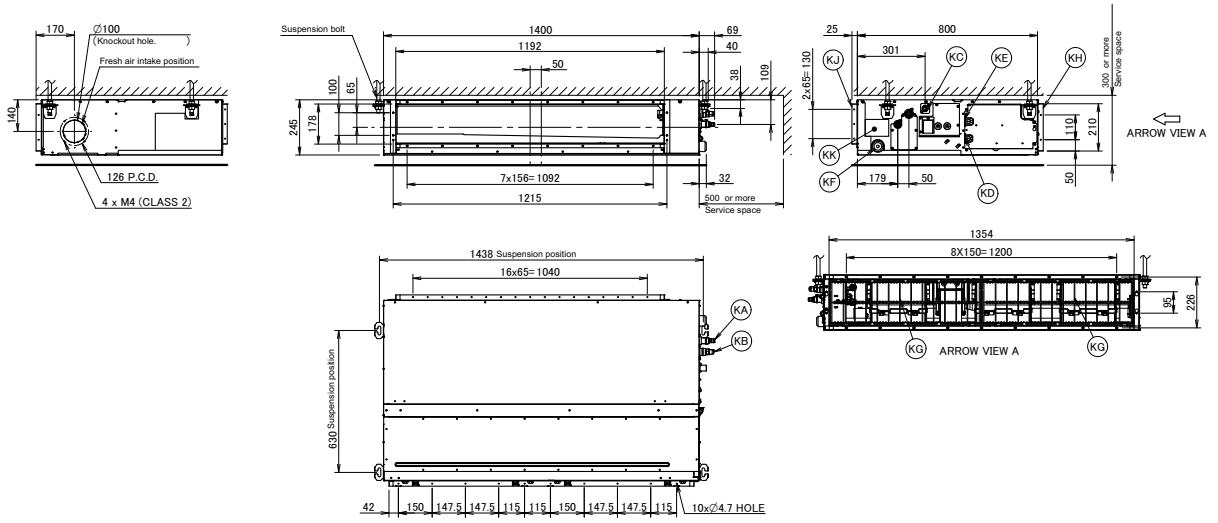
FXSQ100-125A



Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

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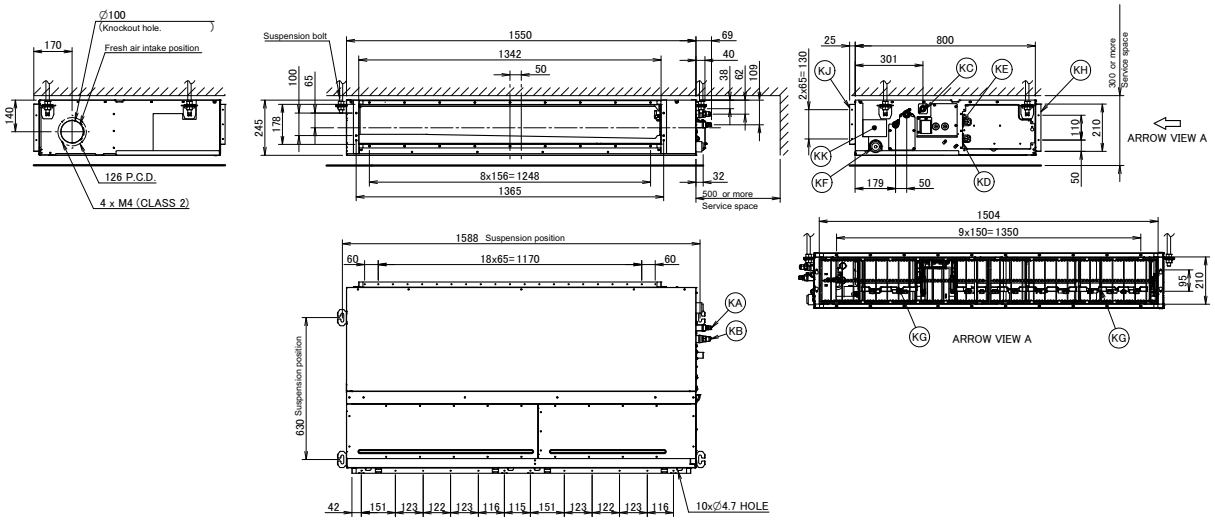
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXSQ140A



Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

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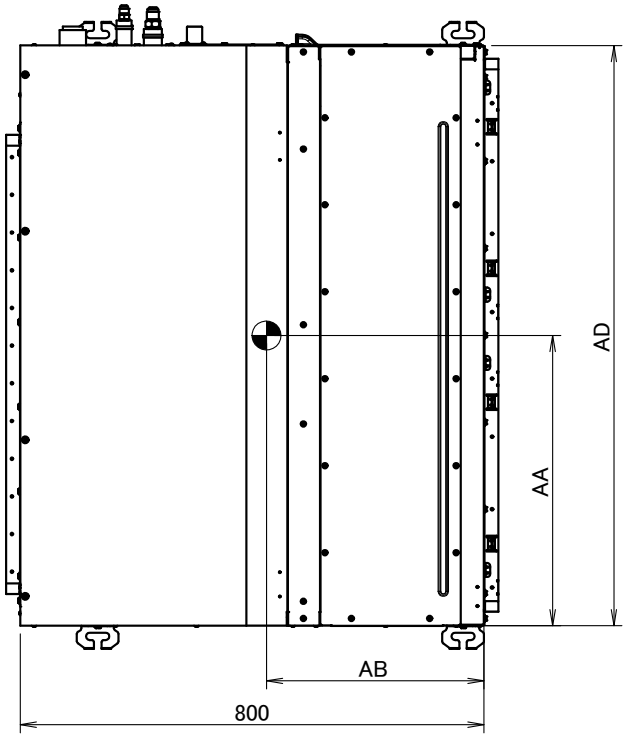
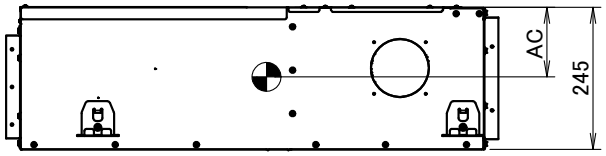
8 Centre of gravity

8 - 1 Centre of Gravity

FXSQ-A





Applicable models	AA	AB	AC	AB
FXSQ15/20/25/32	305	365	145	550
FXSQ40/50	410	375	125	700
FXSQ63/80	525	380	125	100
FXSQ100/125	760	390	115	1400
FXSQ140	870	385	120	1550

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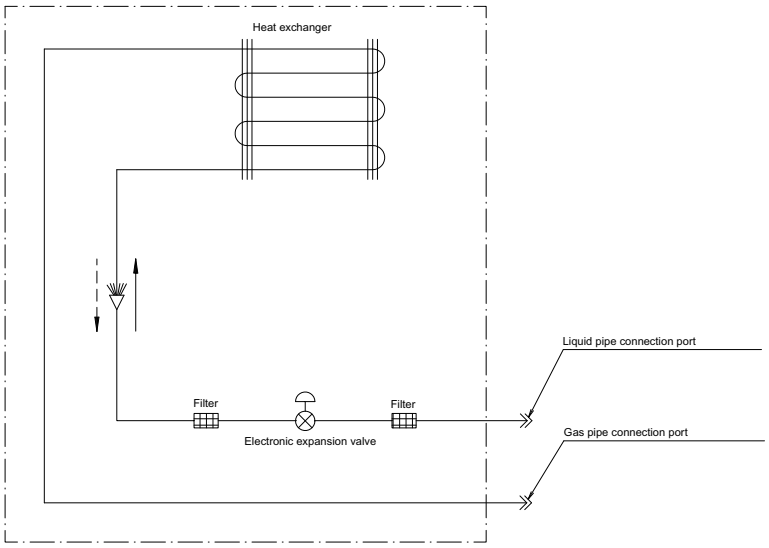
9 Piping diagrams

9 - 1 Piping Diagrams

FXSQ-A



Refrigerant flow

Cooling ——►

Heating – — ►

Piping connections Ø

Model	Gas	Liquid
FXSQ15/20/25/32/40/50	Ø 12.70	Ø 6.35
FXSQ63/80/100/125/140	Ø 15.90	Ø 9.52

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10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

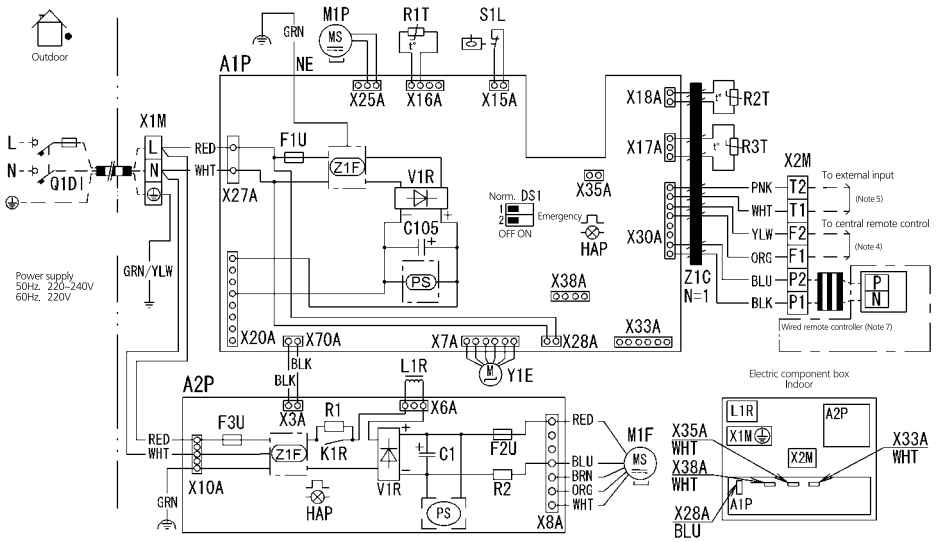
FXSQ15-125A

Indoor unit

A1P	: Printed circuit board
A2P	: Printed circuit board (Fan)
C1	: Capacitor
C105	: Capacitor
DS1	: Selector switch
F1U	: Fuse (T, 3.15A, 250V)
F2U	: Fuse (T, 5A, 250V)
F3U	: Fuse (T, 6.3A, 250V)
HAP	: Indication lamps
K1R	: Magnetic relay
L1R	: Reactor
M1F	: Motor (Indoor fan)
M1P	: Motor (Drain pump)
R1	: Resistor (current sensor)
R2	: Resistor (current sensor)
R1T	: Thermistor (Suction)
R2T	: Thermistor (Liquid)
R3T	: Thermistor (Coil)
S1L	: Float switch
V1R	: Diode bridge
PS	: Switching power supply
X1M	: Terminal strip (Power supply)
X2M	: Terminal block (Control)
Y1E	: Electronic expansion valve coil
Z1F	: Noise filter
Z1C	: Ferrite core
Z2C	: Ferrite core
Q1DI	: Earth leakage breaker

Connector (Optional accessories)

X28A	: Connector (Power supply for wiring)
X33A	: Connector (for wiring)
X35A	: Connector (Power supply for adapter)
X38A	: Connector (for wiring)



Notes

1. ▭▭▭ : Screw terminal ▭ : Connector, ⏚ : Field wiring
2. In case of a multi-indoor-unit-system with parallel operation, refer to the documentation fo the indoor units.
3. For details, refer to the wiring diagram attached to the outdoor unit.
4. When using a central remote control, connect it to the unit according to the installation manual.
5. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. for more information, see installation manual
6. For a multi-indoor-unit-system with parallel operation, the connection ration (number of indoor units you can connect to the outdoor unit) is different. Before connecting, refer to the Technical data of the General catalogue.
7. For how to switch between the main unit and the sub units, refer to the installation manual of the remote control.
8. Colours: BLK:Black; RED:Red; BLU:Blue; WHT:White; GRN:Green; YLW:Yellow; BRN:Brown; ORG:Orange; PNK:Pink

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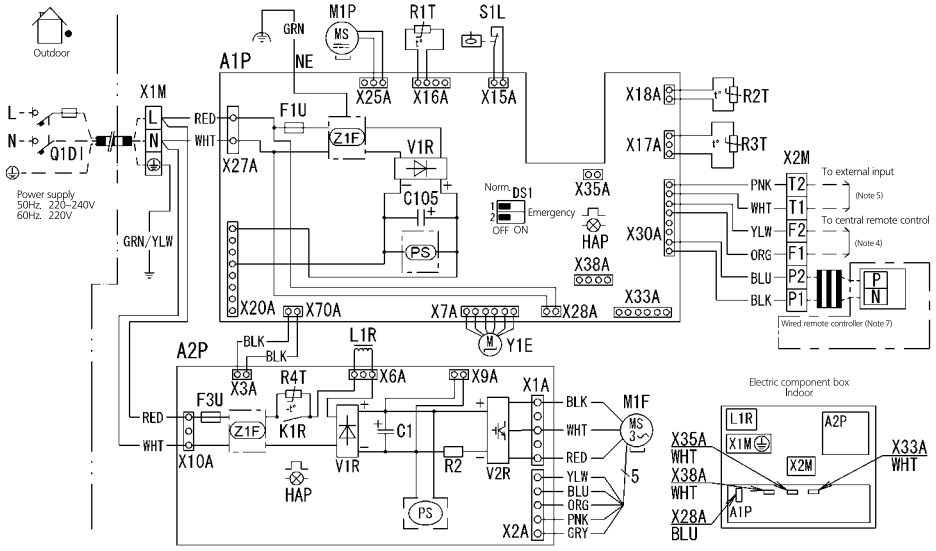
FXSQ140A

Indoor unit

A1P	: Printed circuit board
A2P	: Printed circuit board (Fan)
C1	: Capacitor
C105	: Capacitor
DS1	: Selector switch
F1U	: Fuse (T, 3.15A, 250V)
F3U	: Fuse (T, 6.3A, 250V)
HAP	: Indication lamps
K1R	: Magnetic relay
L1R	: Reactor
M1F	: Motor (Indoor fan)
M1P	: Motor (Drain pump)
R2	: Resistor (current sensor)
R1T	: Thermistor (Suction)
R2T	: Thermistor (Liquid)
R3T	: Thermistor (Coil)
R4T	: Thermistor NTC (current limiting)
S1L	: Float switch
V1R	: Diode bridge
V2R	: Power module
PS	: Switching power supply
X1M	: Terminal strip (Power supply)
X2M	: Terminal block (Control)
Y1E	: Electronic expansion valve coil
Z1F	: Noise filter
Q1DI	: Earth leakage breaker

Connector (Optional accessories)

X28A	: Connector (Power supply for wiring)
X33A	: Connector (for wiring)
X35A	: Connector (Power supply for adapter)
X38A	: Connector (for wiring)



Notes

1. ▭▭▭ : Screw terminal ▭ : Connector, ⏚ : Field wiring
2. In case of a multi-indoor-unit-system with parallel operation, refer to the documentation fo the indoor units.
3. For details, refer to the wiring diagram attached to the outdoor unit.
4. When using a central remote control, connect it to the unit according to the installation manual.
5. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. for more information, see installation manual
6. For a multi-indoor-unit-system with parallel operation, the connection ration (number of indoor units you can connect to the outdoor unit) is different. Before connecting, refer to the Technical data of the General catalogue.
7. For how to switch between the main unit and the sub units, refer to the installation manual of the remote control.
8. Colours: BLK:Black; RED:Red; BLU:Blue; WHT:White; GRN:Green; YLW:Yellow; BRN:Brown; ORG:Orange; PNK:Pink

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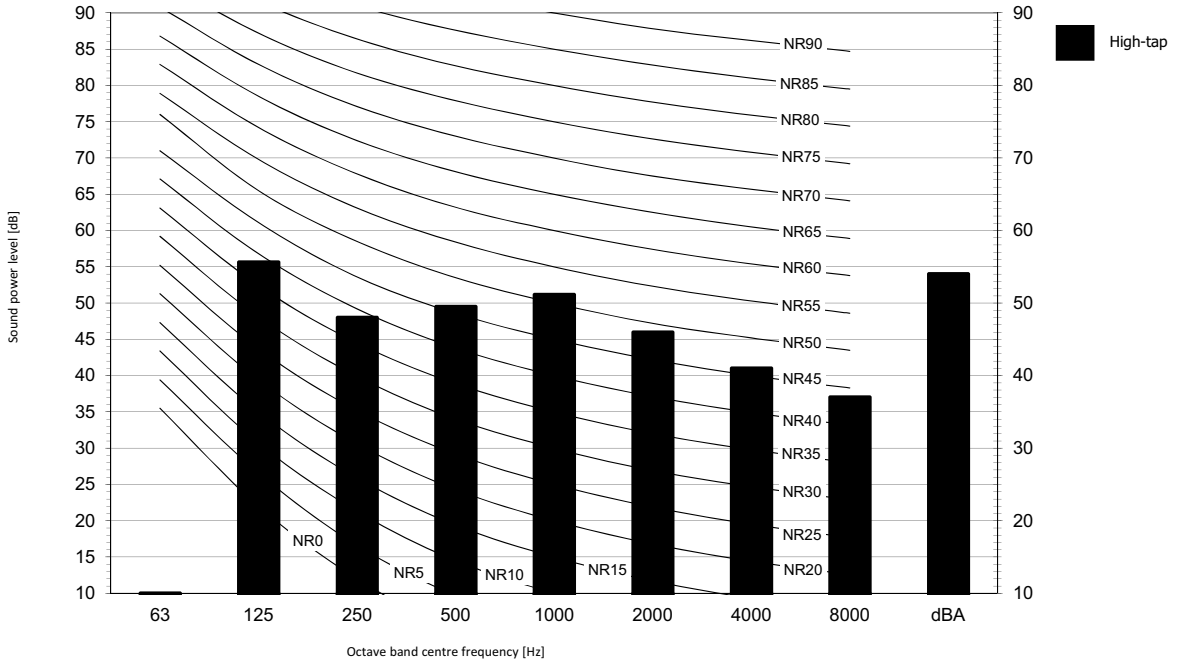
11 Sound data

11 - 1 Sound Power Spectrum

FXSQ15A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

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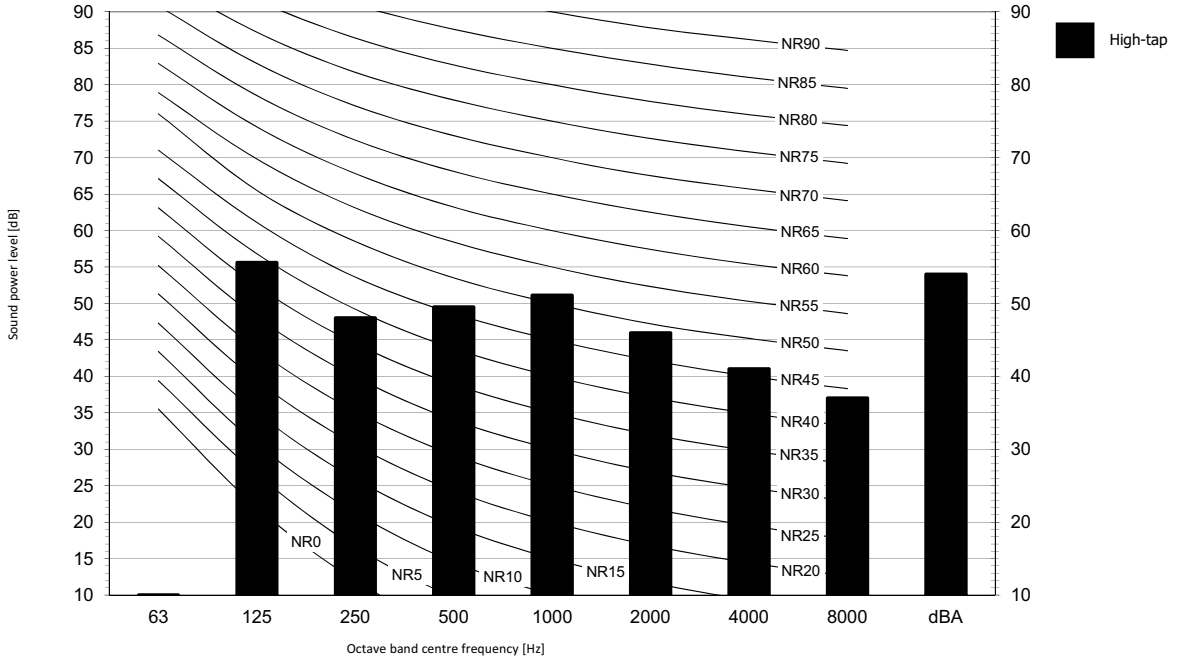
FXSQ20-25A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

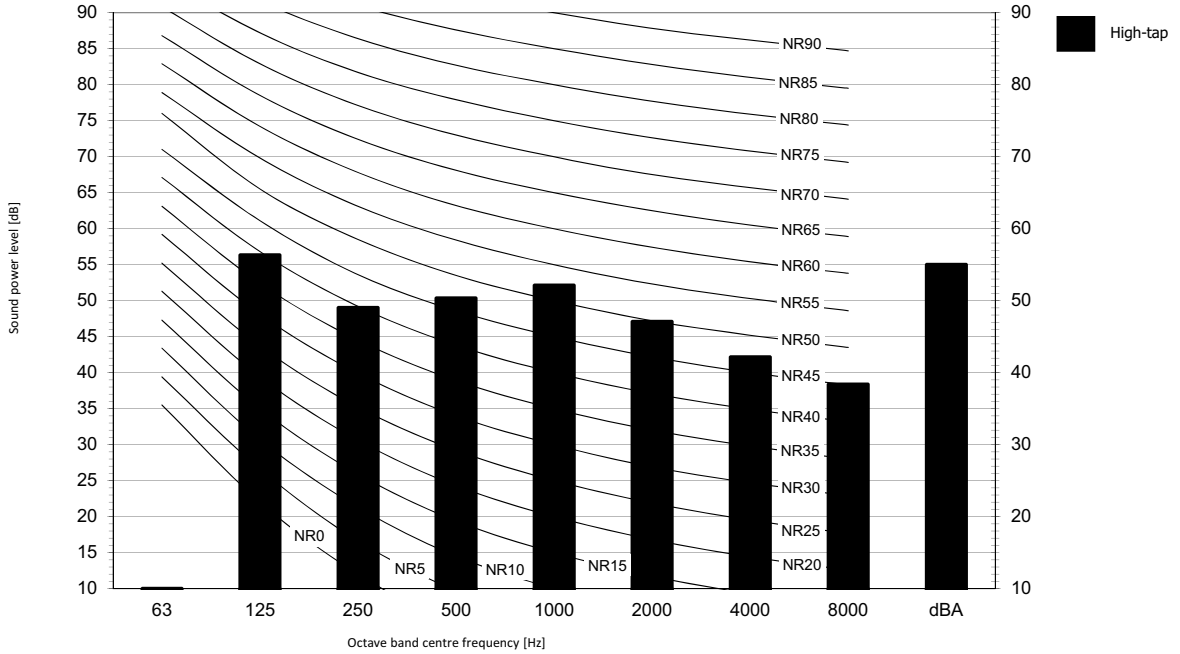
3D095591

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ32A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

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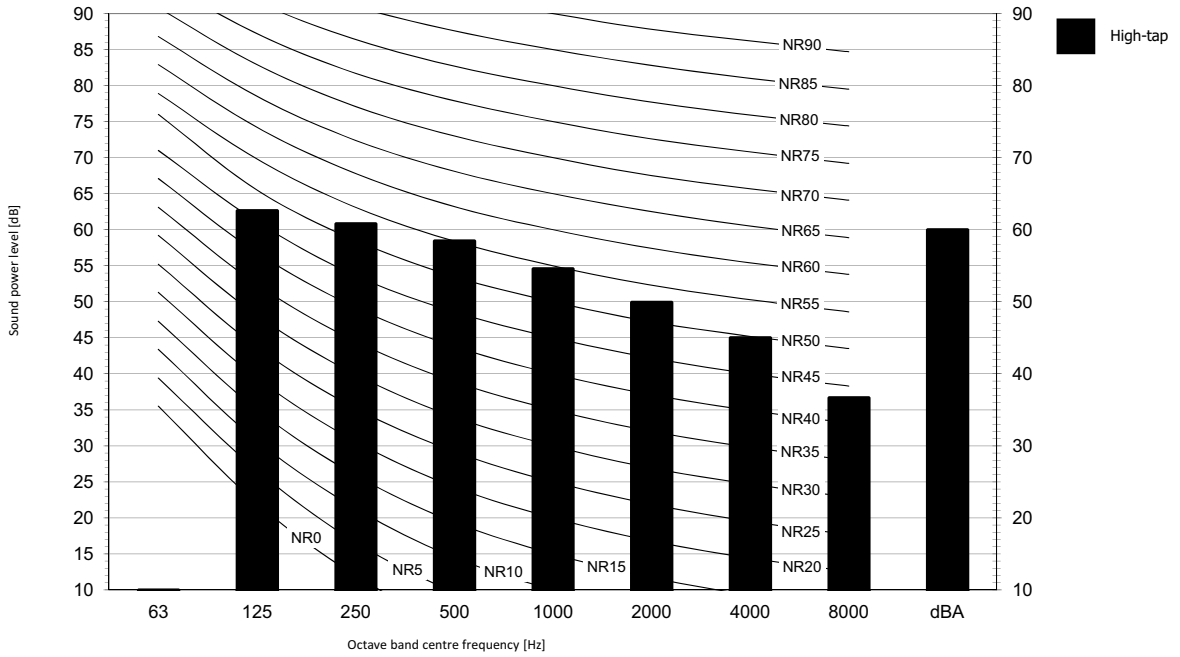
FXSQ40-50A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

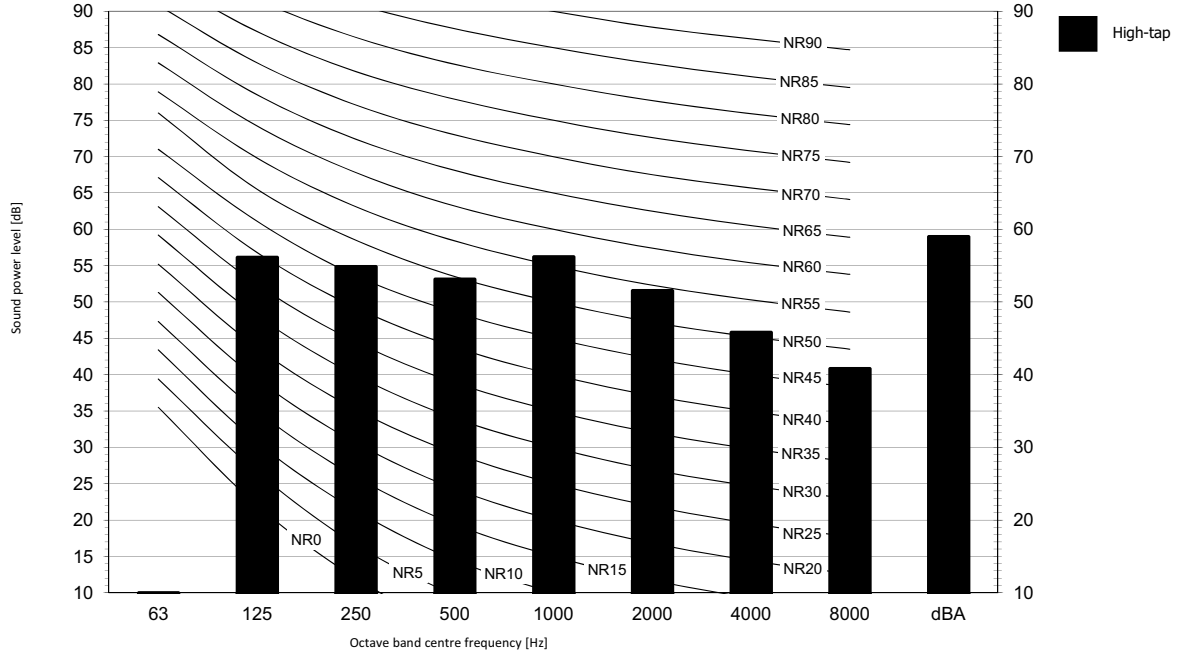
3D095579

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ63A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

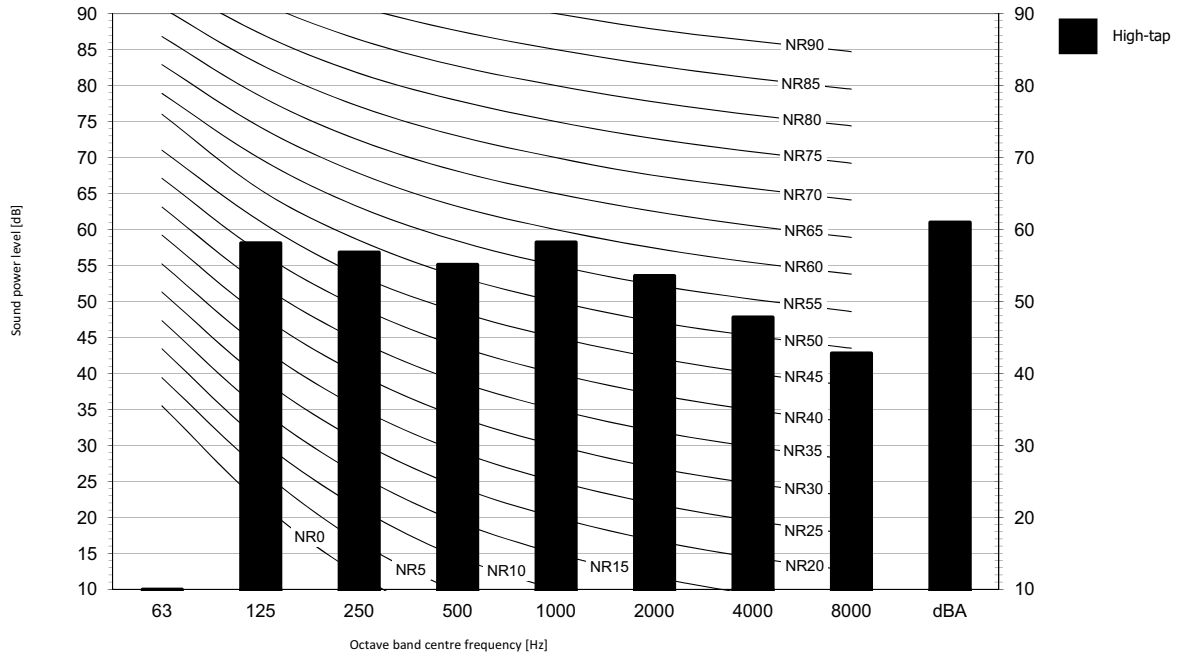
2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

3D095593

FXSQ80A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

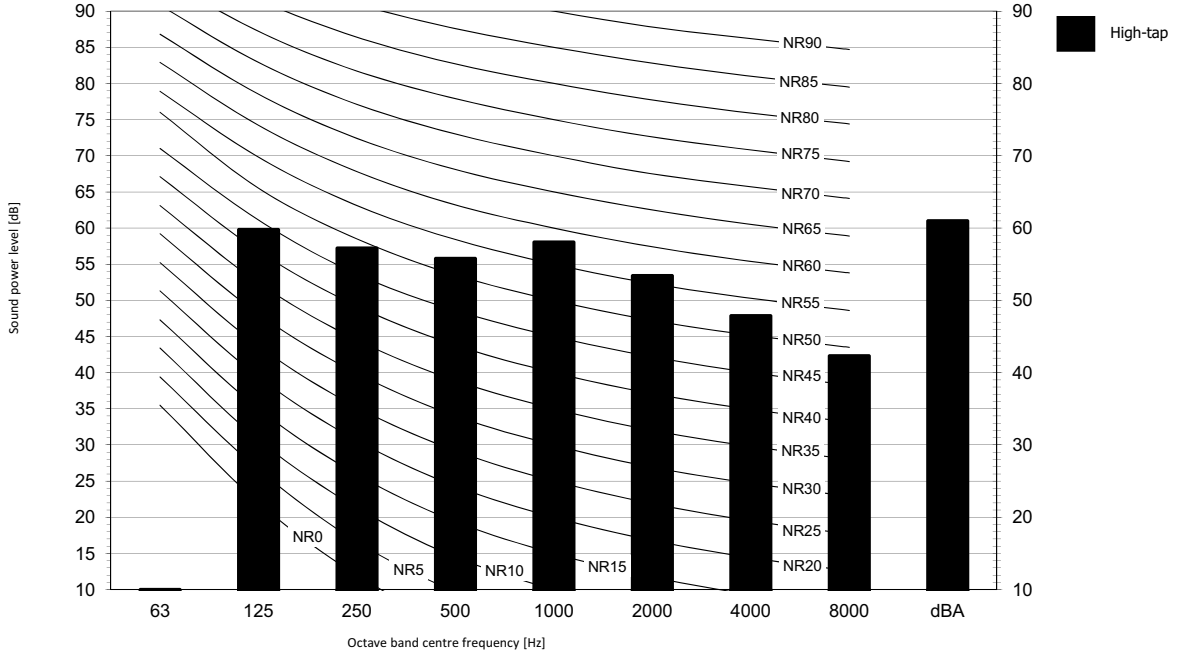
3D095594

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ100A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

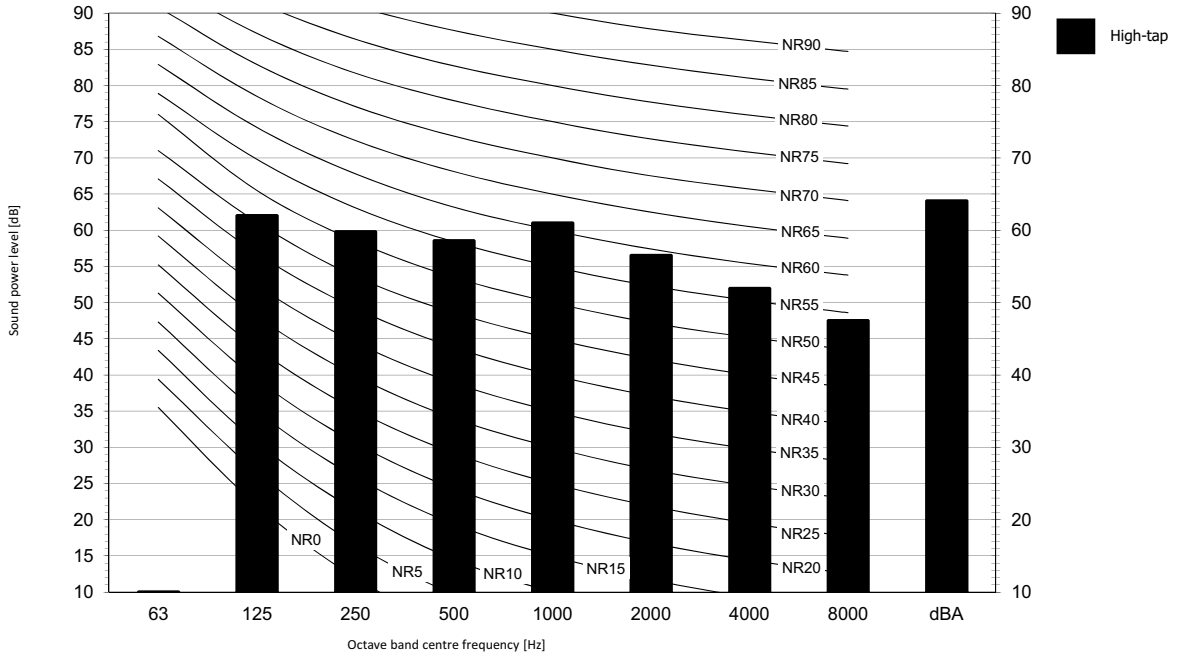
2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

3D095596

FXSQ125A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

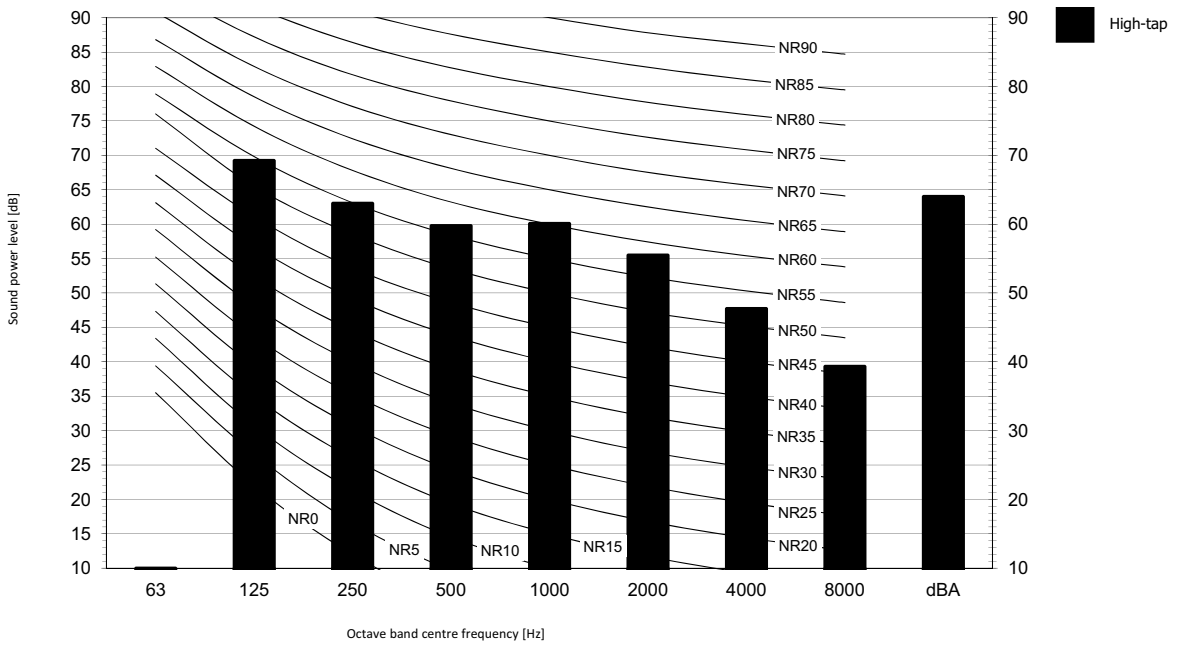
3D095597

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ140A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

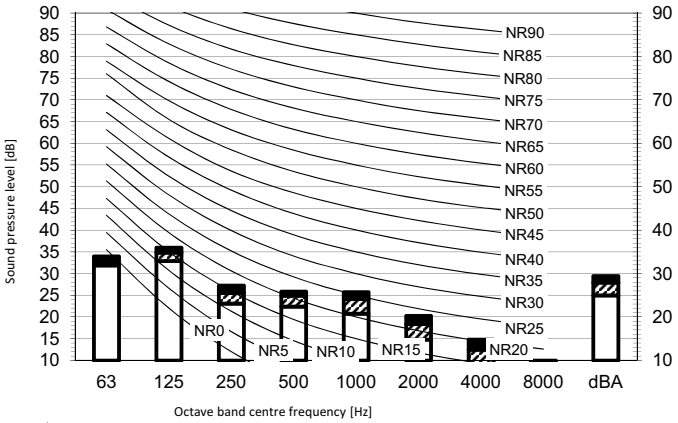
3D096621

11 Sound data

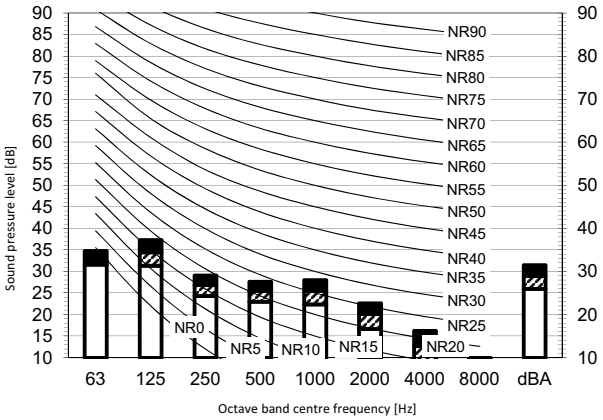
11 - 2 Sound Pressure Spectrum

FXSQ15A

Cooling mode



Heating mode

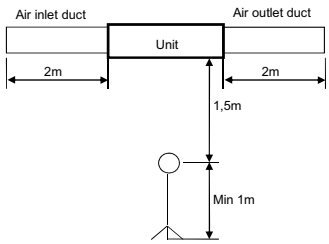


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



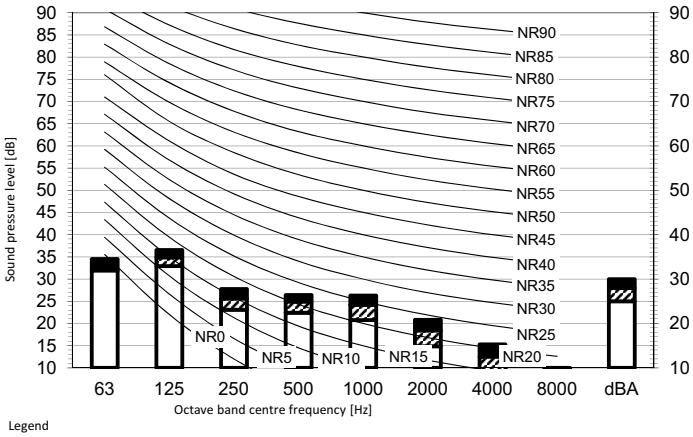
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

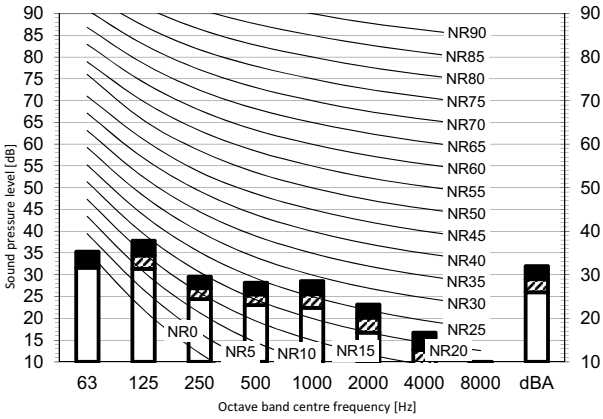
3D095568A

FXSQ20-25A

Cooling mode



Heating mode

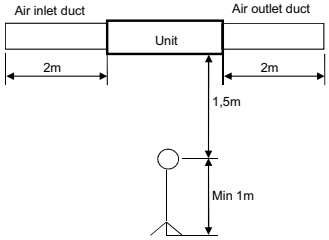


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

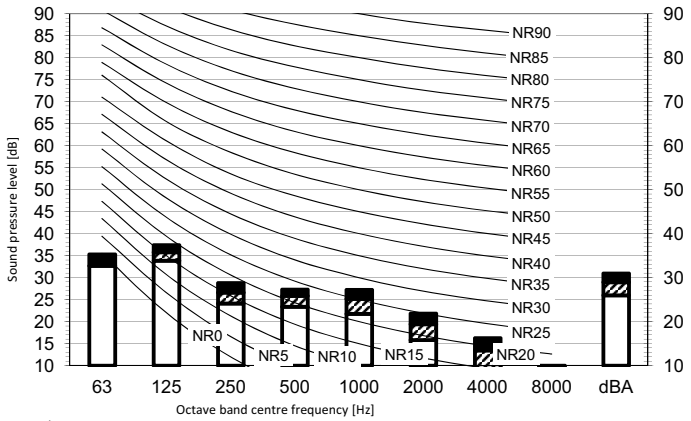
3D095569A

11 Sound data

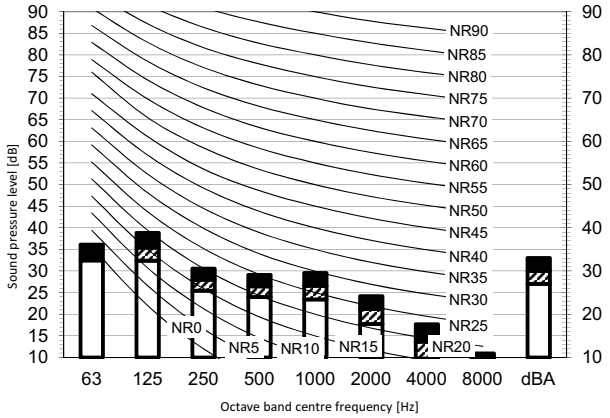
11 - 2 Sound Pressure Spectrum

FXSQ32A

Cooling mode



Heating mode

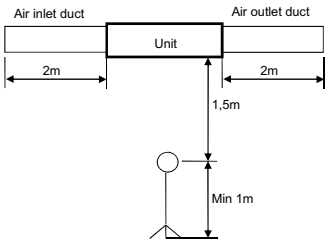


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



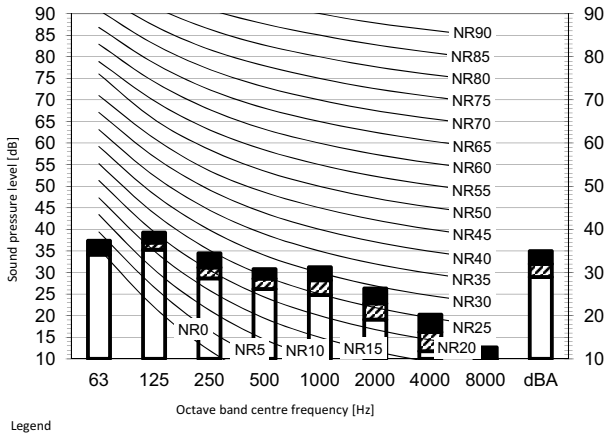
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

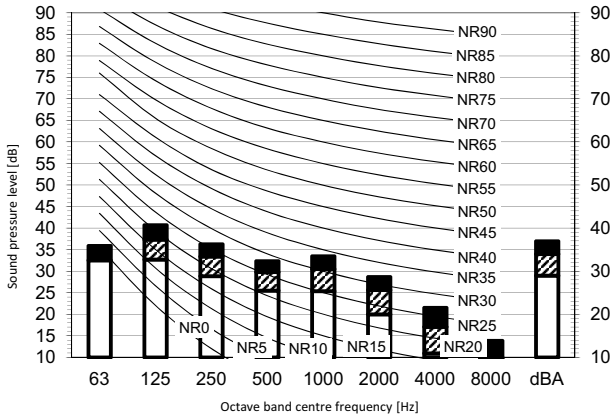
3D095570A

FXSQ40-50A

Cooling mode



Heating mode

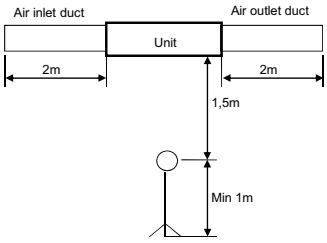


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

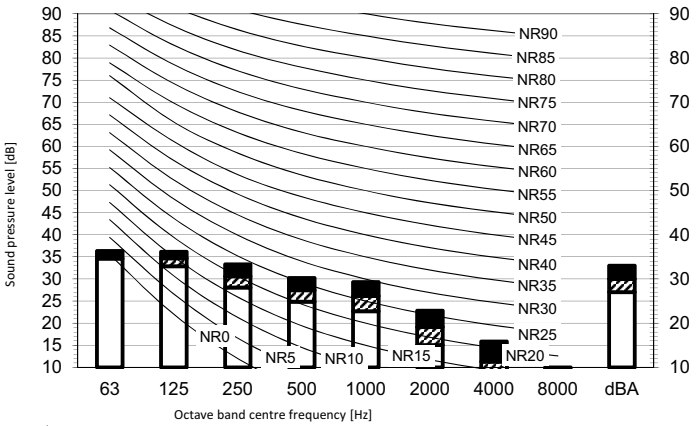
3D095575A

11 Sound data

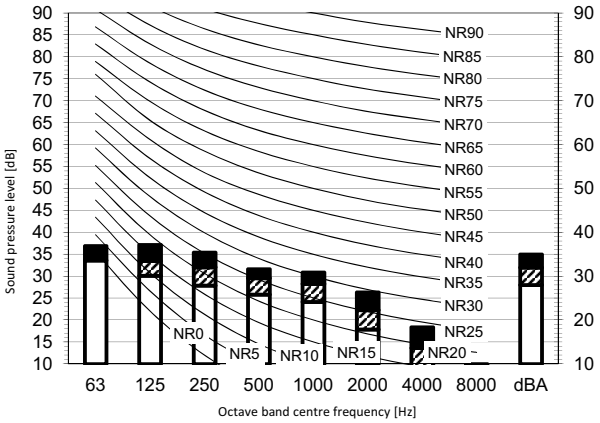
11 - 2 Sound Pressure Spectrum

FXSQ63A

Cooling mode



Heating mode

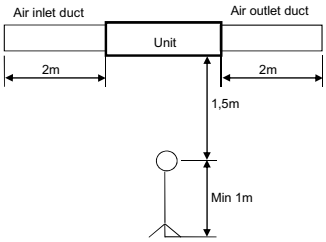


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



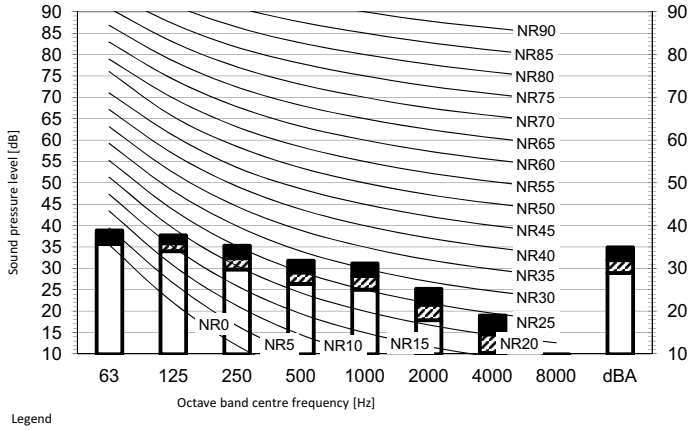
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

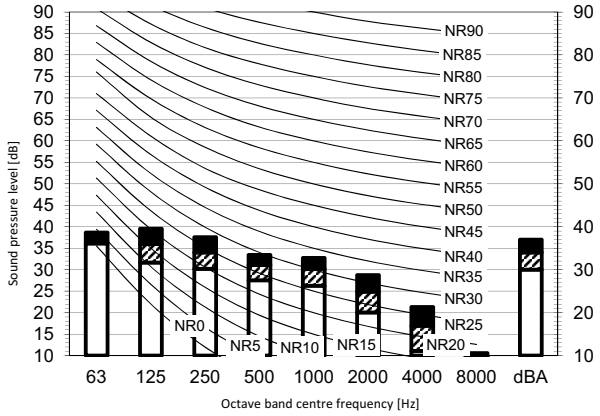
3D095571A

FXSQ80A

Cooling mode



Heating mode

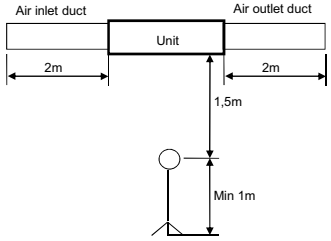


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

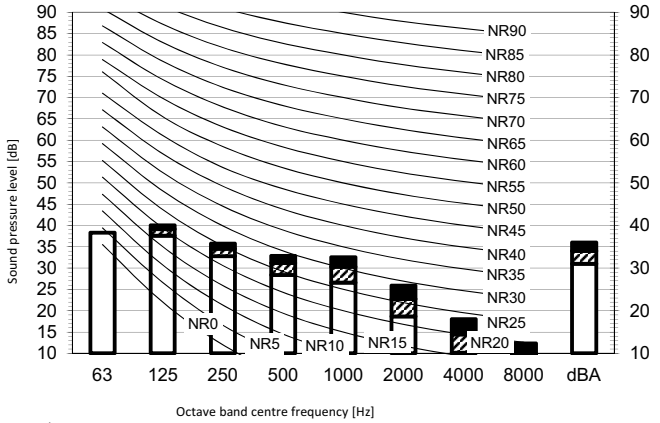
3D095572A

11 Sound data

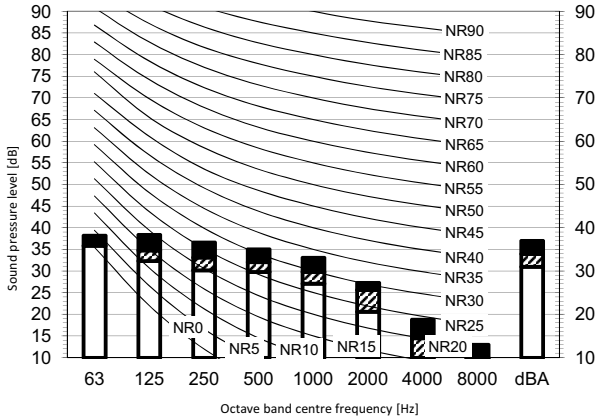
11 - 2 Sound Pressure Spectrum

FXSQ100A

Cooling mode



Heating mode

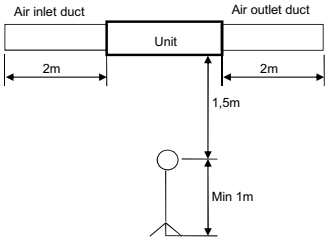


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



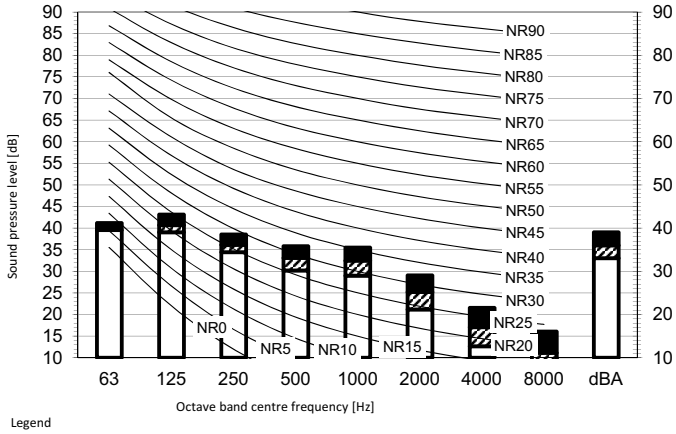
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

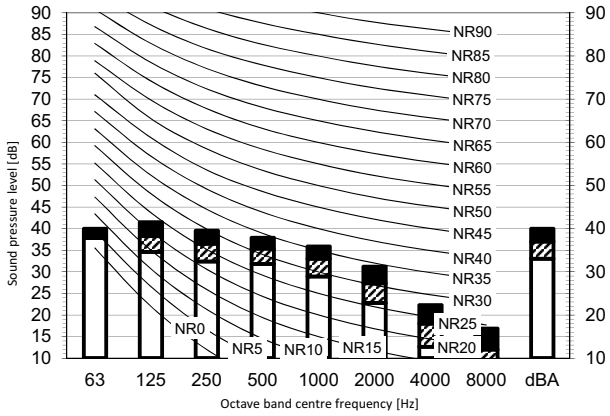
3D095573A

FXSQ125A

Cooling mode



Heating mode

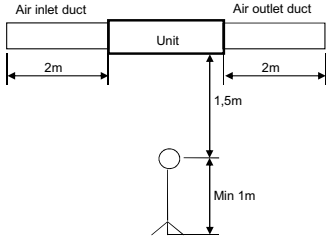


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

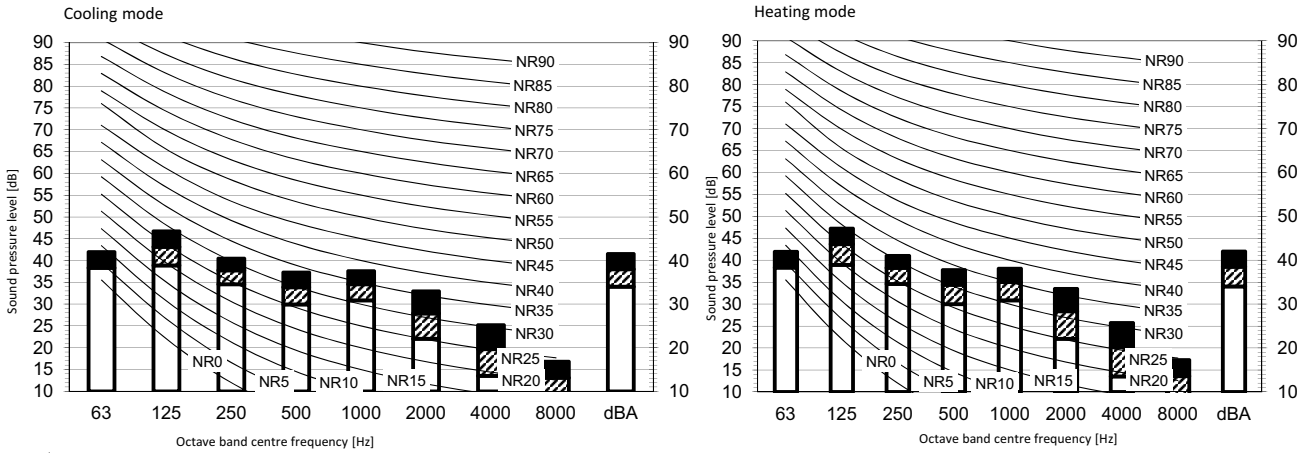
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D095574A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXSQ140A

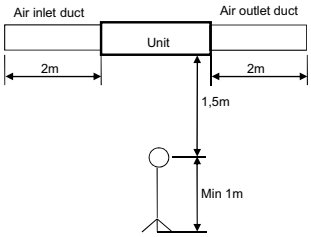


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

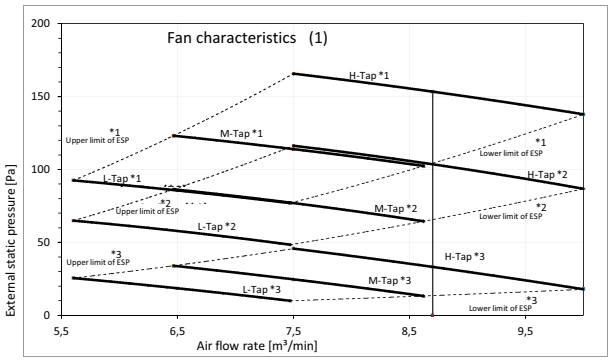
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D096622A

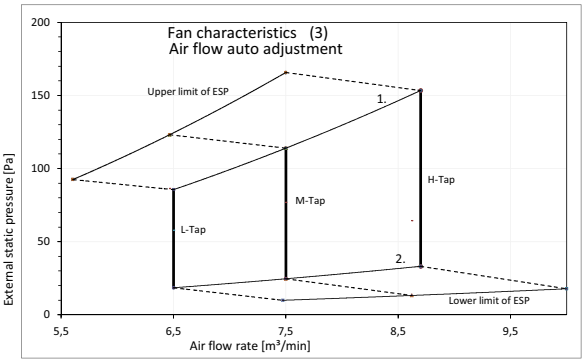
12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ15A

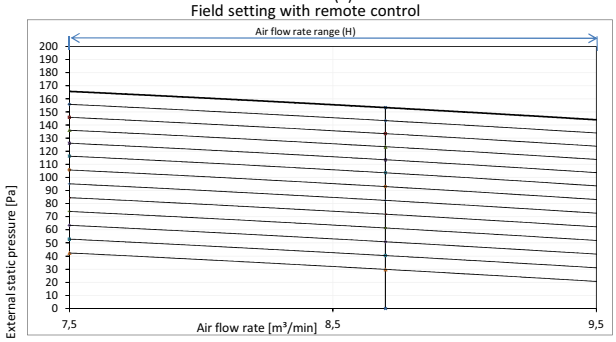


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	50



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

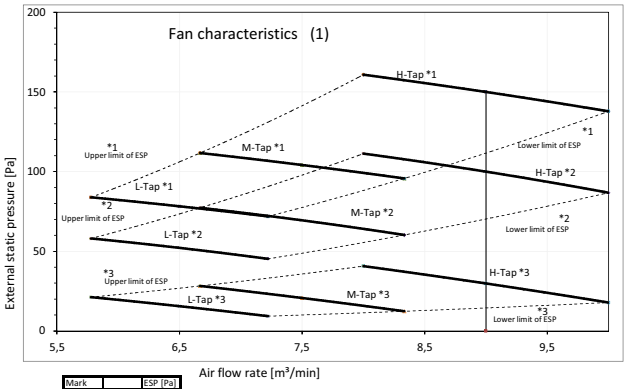
Fan characteristics (2)
Field setting with remote control



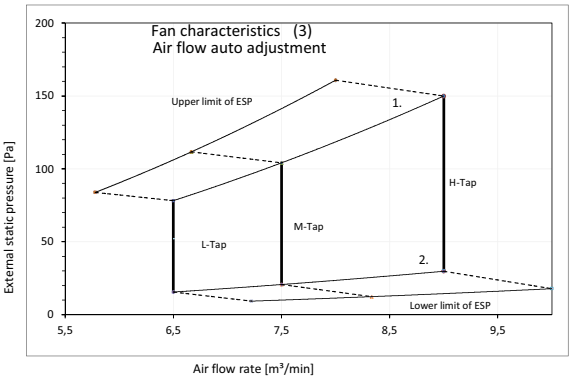
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D096999

FXSQ20-25A

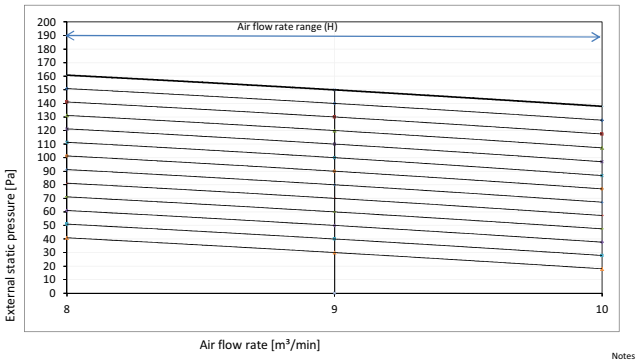


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



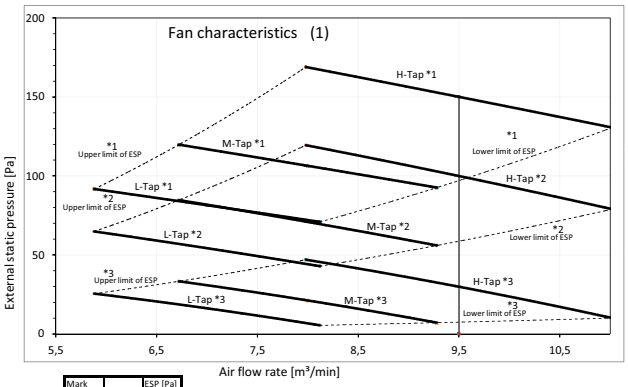
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095680A

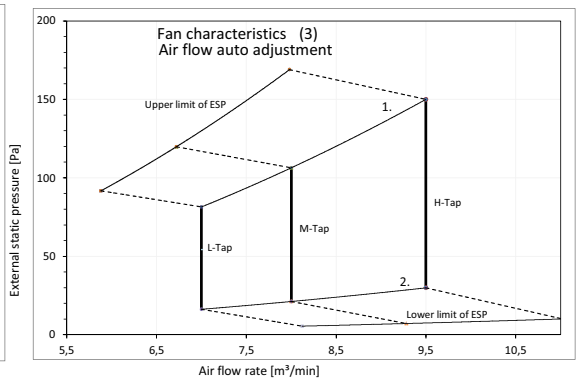
12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ32A

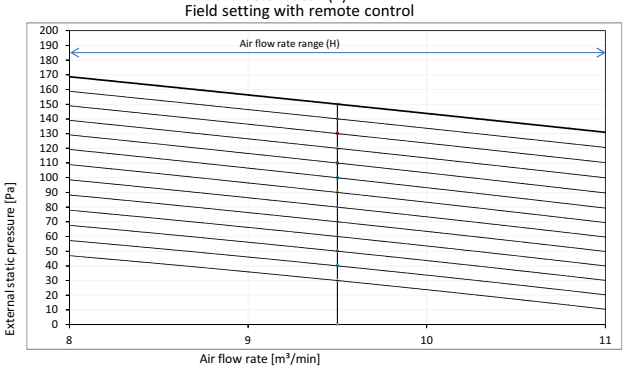


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

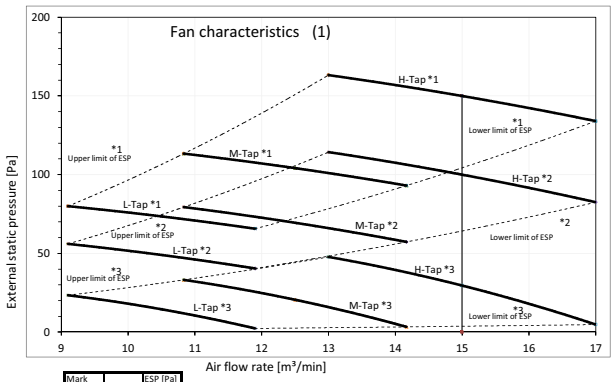
Fan characteristics (2)
Field setting with remote control



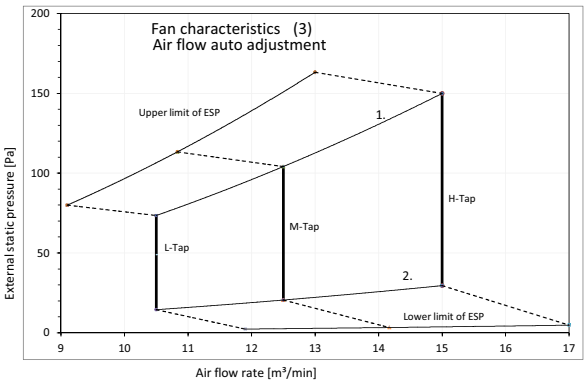
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095681A

FXSQ40A

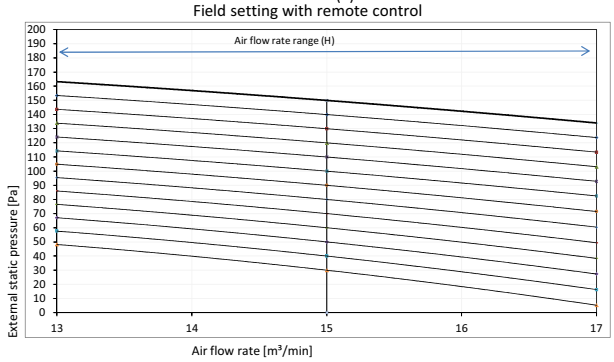


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



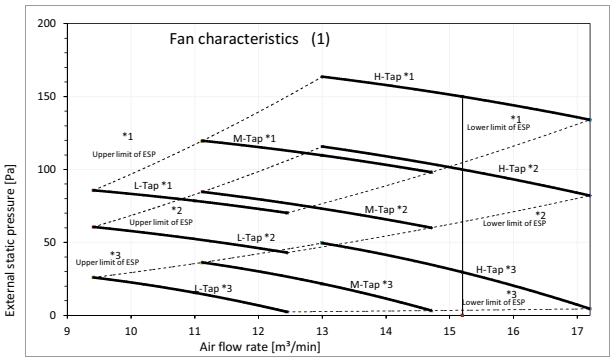
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

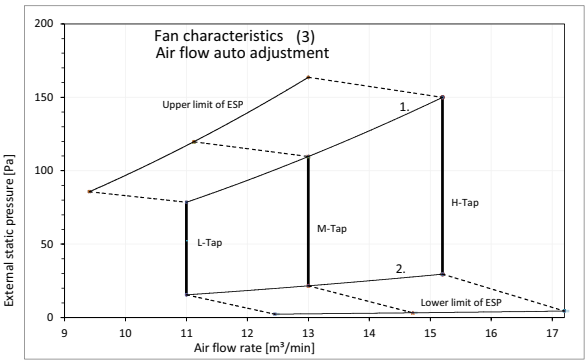
3D095682A

12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ50A

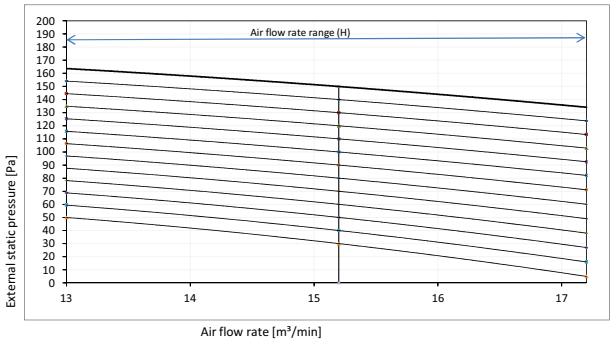




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30

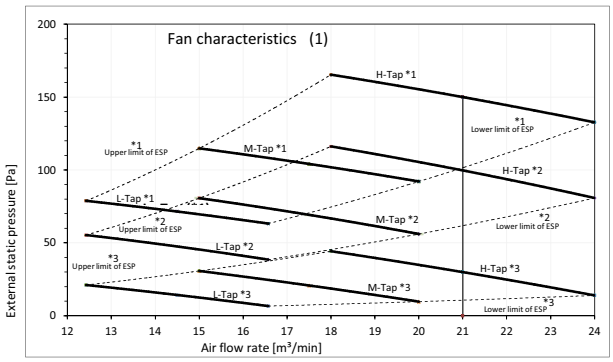
Fan characteristics (2)
Field setting with remote control

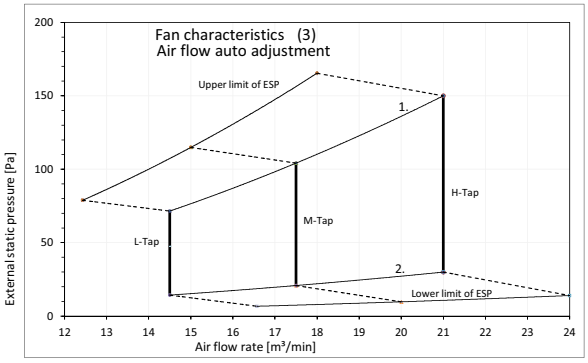


Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095688A

FXSQ63A

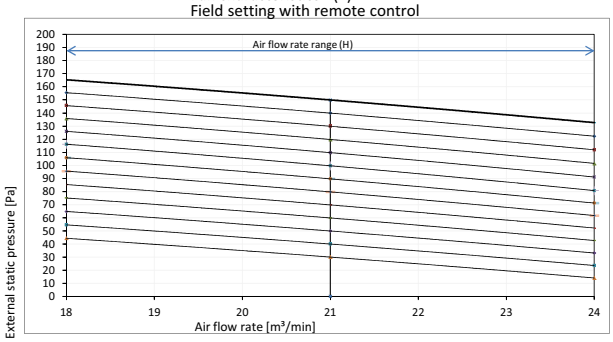




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30

Fan characteristics (2)
Field setting with remote control



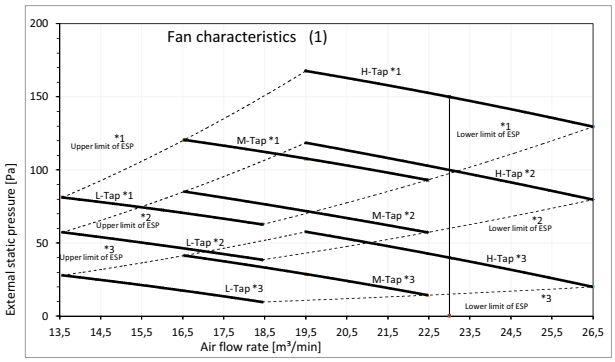
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

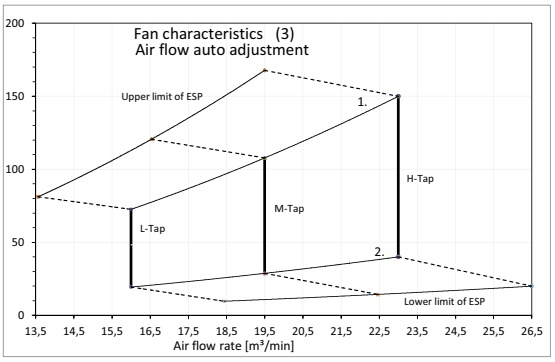
3D095690A

12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ80A

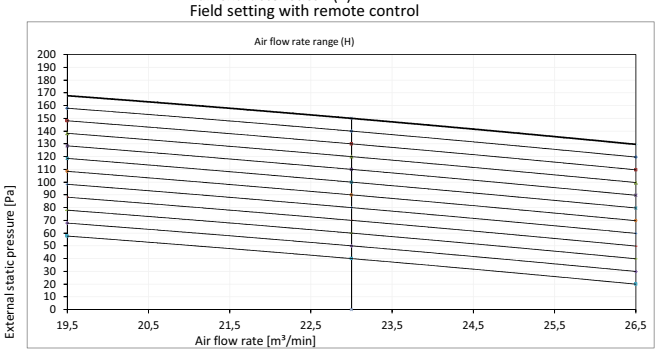




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	40

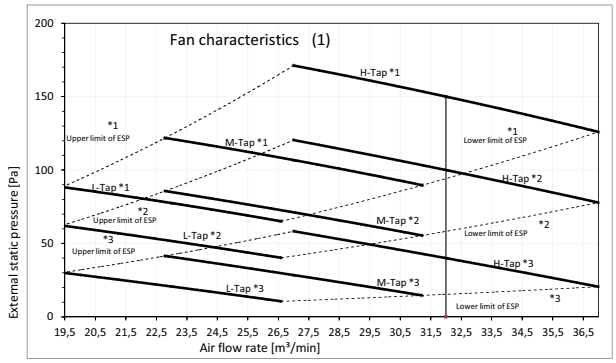
Fan characteristics (2)
Field setting with remote control

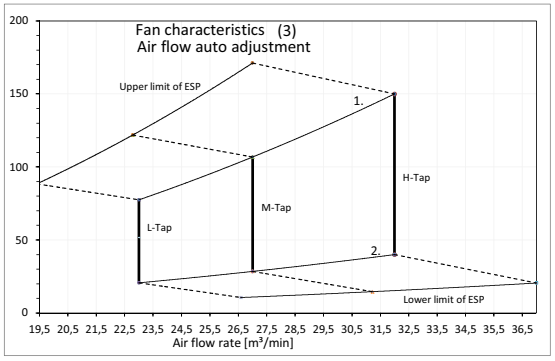


Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095692A

FXSQ100A

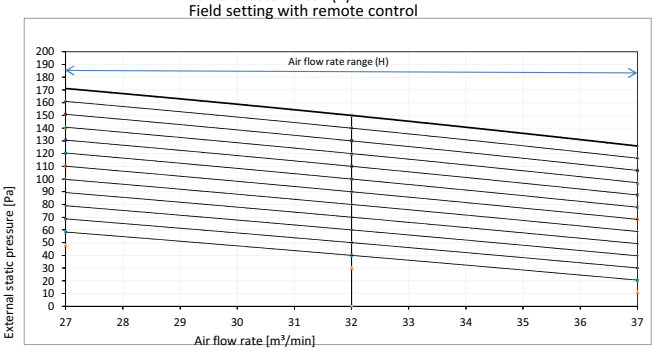




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	40

Fan characteristics (2)
Field setting with remote control



Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

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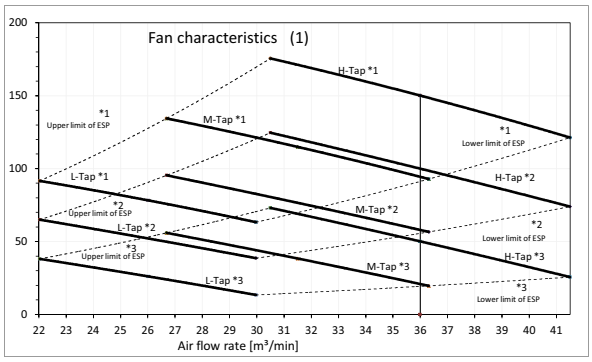
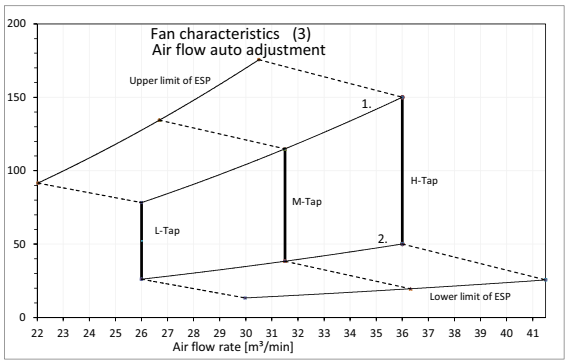
12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ125A

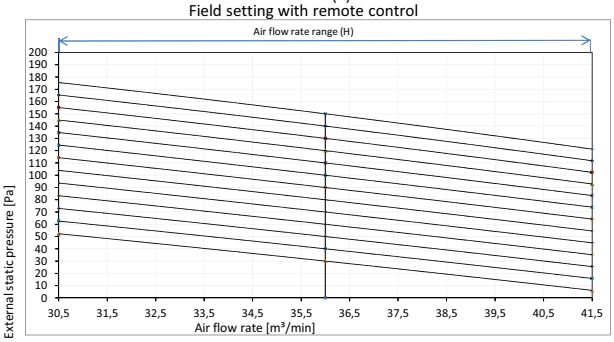




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	50

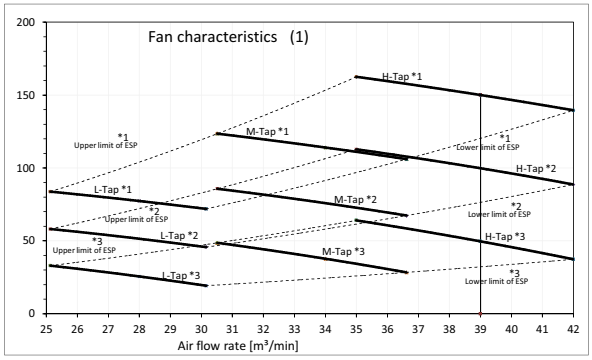
Fan characteristics (2)
Field setting with remote control

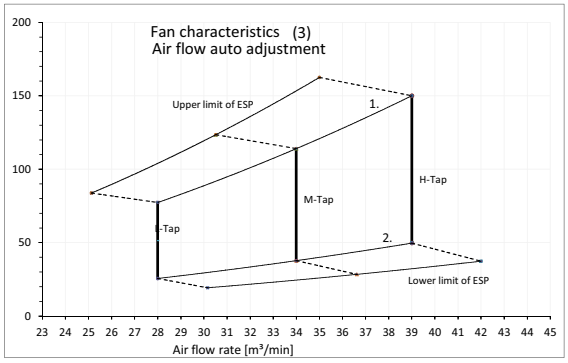


Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095697A

FXSQ140A

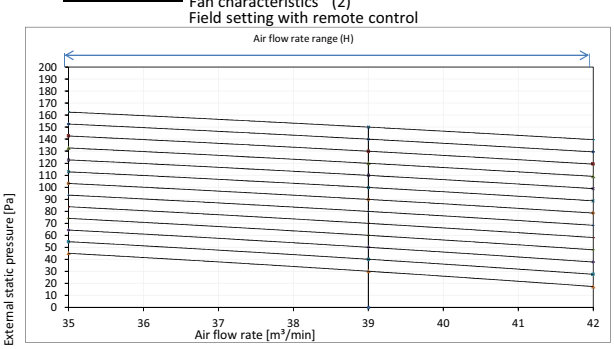




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	50

Fan characteristics (2)
Field setting with remote control



Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

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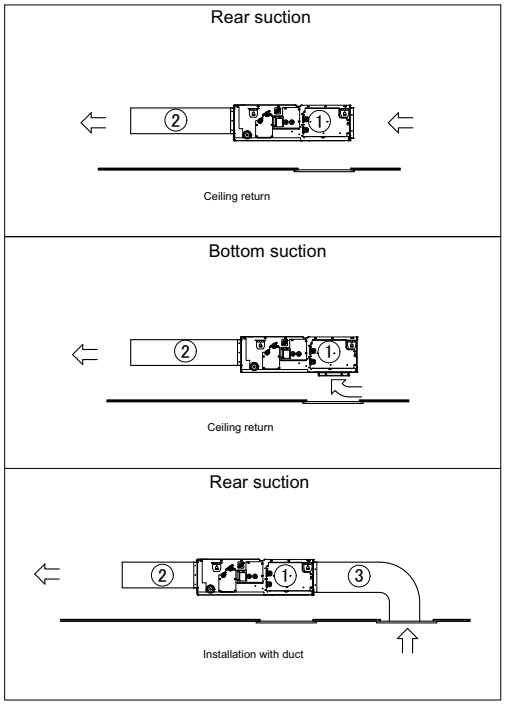
13 Installation

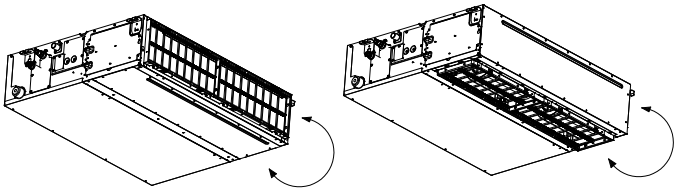
13 - 1 Installation Method

FXSQ-A

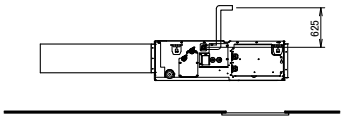
Installation methods



Number	Description	
①	Indoor unit	
②	Air outlet duct	Field supply
③	Air inlet duct	Field supply



Easy modification from rear suction to bottom suction



Height of drain pump outlet pipe

3D094912A

7
13

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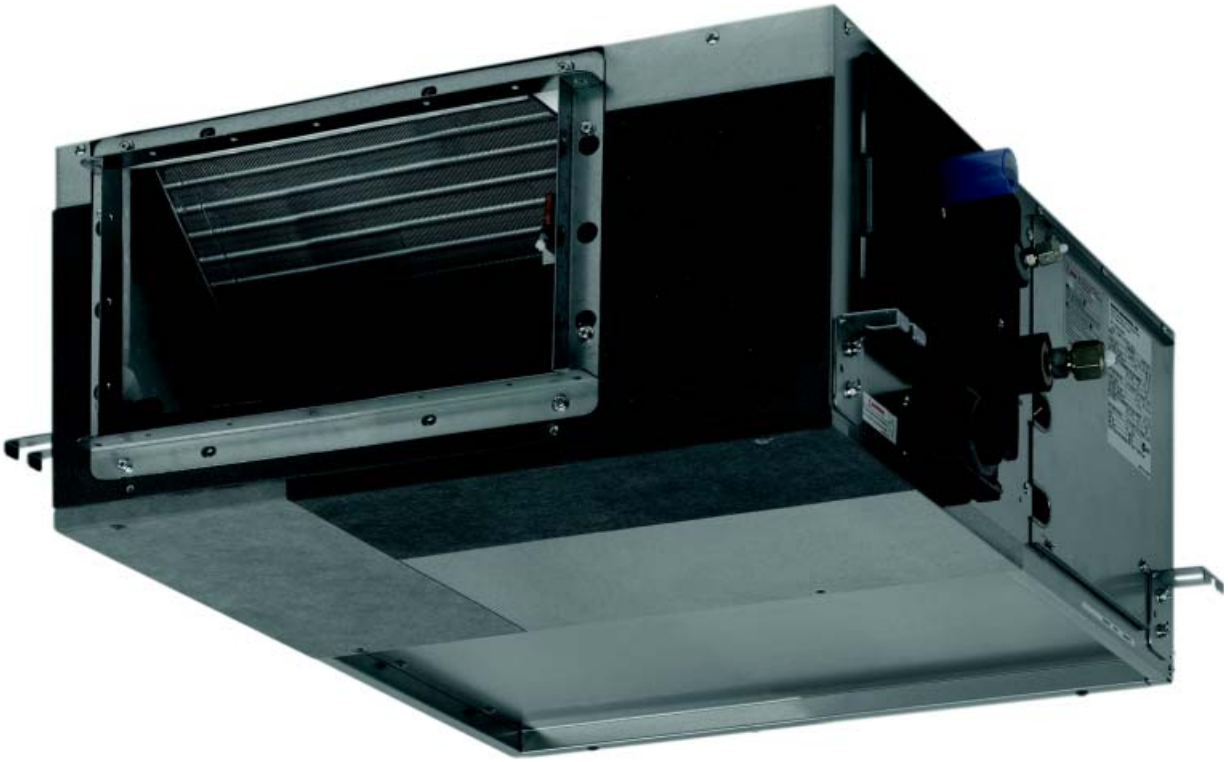
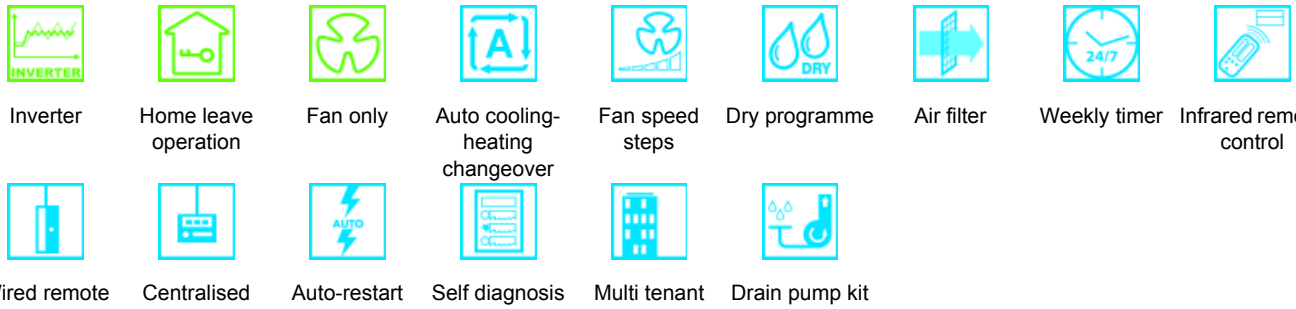
1 Features

ESP up to 200, ideal for large sized spaces

- Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, whatever the length of duct, making installation easier and guaranteeing comfort. Moreover, the ESP can be changed via the wired remote control to optimize the supply air volume
- High external static pressure up to 200Pa facilitates using flexible ducts of varying lengths
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Reduced energy consumption thanks to specially developed DC fan motor
- Flexible installation, as the air suction direction can be altered from rear to bottom suction
- Standard built-in drain pump increases flexibility and installation speed





Inverter | Home leave operation | Fan only | Auto cooling-heating changeover | Fan speed steps | Dry programme | Air filter | Weekly timer | Infrared remote control

Wired remote control | Centralised control | Auto-restart | Self diagnosis | Multi tenant | Drain pump kit

2 Specifications

2-1 Technical Specifications					FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Cooling capacity	Nom.			kW	5.6 (1)	7.1 (1)	9.0 (1)	11.2 (1)	14.0 (1)
Heating capacity	Nom.			kW	6.3 (2)	8.0 (2)	10.0 (2)	12.5 (2)	16.0 (2)
Power input - 50Hz	Cooling	Nom.		kW	0.110 (1)	0.120 (1)	0.171 (1)	0.176 (1)	0.241 (1)
	Heating	Nom.		kW	0.098 (2)	0.108 (2)	0.159 (2)	0.164 (2)	0.229 (2)
Dimensions	Unit	Height		mm	300				
		Width		mm	1,000			1,400	
		Depth		mm	700				
	Packed unit	Height		mm	355				
		Width		mm	1,220			1,620	
		Depth		mm	900				
Required ceiling void \>				mm	350				
Weight	Unit			kg	35			46	
	Packed unit			kg	42			54	
Casing	Colour				Unpainted				
	Material				Galvanised steel plate				
Decoration panel	Model				BYBS71DJW1			BYBS125DJW1	
	Colour				White (10Y9/0.5)				
	Dimensions	Height		mm	55				
		Width		mm	1,100			1,500	
		Depth		mm	500				
	Weight			kg	4.5			6.5	
Heat exchanger	Tube type				ø7 Hi-XSS				
	Fin	Type			Symmetric waffle louvre				
		Treatment			Hydrophilic				
Fan	Type				Sirocco fan				
	Quantity				2			3	
	Air flow rate - 50Hz	Cooling	High	m³/min	18	19.5	25	32	39
			Nom.	m³/min	16.5	17.8	22.5	27.5	33.5
			Low	m³/min	15	16	20	23	28
		Heating	High	m³/min	18	19.5	25	32	39
			Nom.	m³/min	16.5	17.8	22.5	27.5	33.5
			Low	m³/min	15	16	20	23	28
	Air flow rate - 60Hz	Cooling	High	m³/min	18	19.5	25	32	39
			Nom.	m³/min	16.5	17.8	22.5	27.5	33.5
			Low	m³/min	15	16	20	23	28
		Heating	High	m³/min	18	19.5	25	32	39
			Nom.	m³/min	16.5	17.8	22.5	27.5	33.5
			Low	m³/min	15	16	20	23	28
	External static pressure - 50Hz	High		Pa	200				
		Nom.		Pa	100				
	External static pressure - 60Hz	High		Pa	200				
		Nom.		Pa	100				
Fan motor	Quantity				1				
	Model				Brushless DC motor				
	Speed	Steps			14				
	Output	High		W	350				
	Drive				Direct drive				
Air filter	Type				Resin net with mold resistance				
Sound power level	Cooling	High		dBA	61	64	67	65	70
Sound pressure level	Cooling	High		dBA	41	42	43		44
		Nom.		dBA	39	40	41		42
		Low		dBA	37	38	39		40
	Heating	High		dBA	41	42	43		44
		Nom.		dBA	39	40	41		42
		Low		dBA	37	38	39		40
Refrigerant	Type				R-410A				
	Control				Electronic expansion valve				

2 Specifications

2-1 Technical Specifications				FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Piping connections	Liquid	Type		Flare connection				
		OD	mm	6.35	9.52			
	Gas	Type		Flare connection				
		OD	mm	12.7	15.9			
	Drain			VP25 (I.D. 25/O.D. 32)				
	Heat insulation			Both liquid and gas pipes				
Drain-up height			mm	625				
Safety devices	Item	01		PC board fuse				
		02		PC board fuse (fan driver)				
		03		Drain pump fuse				
Control systems	Infrared remote control			BRC4C65				
	Simplified wired remote control for hotel applications			BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)				
	Wired remote control			BRC1D52 / BRC1E52A/B				

2-2 Electrical Specifications			FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Power supply	Name		VE				
	Phase		1~				
	Frequency	Hz	50/60				
	Voltage	V	220-240/220				
Voltage range	Min.	%	-10				
	Max.	%	10				
Current - 50Hz	Minimum circuit amps (MCA)	A	1.4		1.7	2.3	2.9
	Maximum fuse amps (MFA)	A	16				
Current - 60Hz	Minimum circuit amps (MCA)	A	1.4		1.7	2.3	2.9
	Maximum fuse amps (MFA)	A	16				

8
2

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m

Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

The sound pressure values are mentioned for a unit installed with rear suction.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

Select wire size based on the value of MCA

Use a circuit breaker instead of a fuse.

3 Electrical data

3 - 1 Electrical Data

FXMQ-P7

Units						Power supply	
Model	Type	Hz	Voltage range	Min.	Max.	MCA	MFA
FXMQ50P7	VE	50/60	220~240V/ 220V	-10%	+10%	1.4	16
FXMQ63P7						1.4	16
FXMQ80P7						1.7	16
FXMQ100P7						2.3	16
FXMQ125P7						2.9	16

NOTES

1. Voltage range
   Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above listed range limits.
2. Maximum allowable voltage unbalance between phases is 2%.
3. Select wire size based on the MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps. (A)
MFA : Max. Fuse Amps. (See note 4)

4TW32651-2

4 Safety device settings

4 - 1 Safety Device Settings

FXMQ-P7

	Safety devices		50	63	80	100	125
FXMQ	PC board fuse		250V 3,15A	250V 3,15A	250V 3,15A	250V 3,15A	250V 3,15A
	PC board fuse (fan driver)		250V 6,3A	250V 6,3A	250V 6,3A	250V 6,3A	250V 6,3A
	Fan motor thermal protector	°C	-	-	-	-	-
	Drain pump fuse	°C	145	145	145	145	145

3TW32659-2

5 Options

5 - 1 Options

FXMQ-P7

Options

Nr.	Item / Type	FXMQ50,63,80	FXMQ100,125
1	Air discharge adapter for round ducts	KDAJ25K71A	KDAJ25K140A

Control systems

Nr.	Item / Type			FXMQ50,63,80	FXMQ100,125
1	Remote control	Wired		BRC1D528 / BRC1C62 (*5) / BRC1E52A7 (*6) / BRC1E52B7 (*7)	
		Infrared	H/P	BRC4C65	
			C/O	BRC4C66	
2	Simplified remote control (with operation mode selector button)			BRC2E52C7 (*8)	
3	Simplified remote control (without operation mode selector button)			BRC3E52C7 (*8)	
4	Optional PCB for external electric heaters, humidifiers and/or hour meters.			EKRP1B2A (*1) (*2) (*3) (*4)	
5	Adapter for wiring (interlock for fresh air intake fan)			KRP1C64 (*4)	
6.1	Wiring adapter for electrical appendices (1)			KRP2A51 (*2) (*4)	
6.2	Wiring adapter for electrical appendices (2)			KRP4A51 (*4)	
7	Remote sensor			KRCS01-4B	
8	Centrak remote control			DCS302CA51 / DCS302CA61 (*5)	
8.1	Electrical box with earth terminal (3 blocks)			KJB311A	
9	Unified ON/OFF controller			DCS301BA51 / DST301BA61 (*5)	
9.1	Electrical box with earth terminal (2 blocks)			KJB212A	
10	Schedule timer			DST301BA51 / DST301BA61 (*5)	
11	External adapter for outdoor unit (installation on indoor unit)			DTA104A61 (*4)	
12	PCB for multi-tenant indoor units			DTA114A61 (*4)	
13	Mounting plate for adapter PCB			KRP4A96	
14	Digital input adapter			BRP7A51 (*4) (*9)	

NOTES

(*1) Electric heaters and humidifiers are field-supplied. Do not install them inside the equimpent (refer to installation manual EKRP1B2A).
(*2) When installing electric heaters, an optional PCB for external electric heaters (EKRP1B2A) is required for each indoor unit.
(*3) Electric heaters cannot be used in combination with cooling-only VRV systems.
(*4) These options require mounting plate KRP4A96
Maximally 2 optional PCB's can be mounted.
(*5) BRC1C62, DCS302CA61, DCS301BA61 & DST301BA61: only for the Middle East region.
(*6) Included languages are: English, German, French, Dutch, Spanish, Italian, Greek, Portuguese, Russian, Turkish and Polish.
(*7) Included languages are: English, German, Albanian, Bulgarian, Croatian, Czech, Hungarian, Romanian, Serbian, Slovak and Slovenian.
(*8) Included languages are:
Language pack 1: English, German, French, Dutch, Spanish, Italian and Portuguese.
With PC cable EKPCCAB3 in combination with the updater PC software, you can additionally change the language to:
Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian.
Language pack 3: English, Greek, Polish, Russian, Serbian, Slovak and Turkish.
(*9) Only possible in combination with simplified remote control BRC2/3E52C7.

Contents of the accessory bag

Description	Quantity FXMQ50,63,80,100,125
Hexagon tapping screw (M5x16)	16
Round plain washer for wood	8
Installation and operation manual	1
Hose band clamp	1
Joint insulation (gas)	1
Joint insulation (liquid)	1
Drain hose	1
Drain hose sealing material	1
Sealing material	2

3TW32659-3C

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXMQ-P7

TC: Total capacity; kW
SHC: Sensible heat capacity; kW

Cooling Capacity

Unit size	Indoor air temp.													
	14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB	
	20.0° CDB		23.0° CDB		26.0° CDB		27.0° CDB		28.0° CDB		30.0° CDB		32.0° CDB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
50	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	5.7	4.5	5.8	4.3	5.9	4.3
63	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.2	5.4	7.4	5.3	7.5	5.2
80	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.1	6.9	9.3	6.6	9.5	6.6
100	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.3	8.4	11.6	8.1	11.9	7.8
125	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.2	10.4	14.5	10.1	14.9	9.7

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

1. • This table is for the selection of indoor equipment.
   • Deze tabel is bedoeld voor het kiezen van de binnenunit.
   • Ce tableau concerne la sélection de l'équipement intérieur.
   • Diese Tabelle ist für die Auswahl der Innenanlagen.
   • Esta tabla es para seleccionar el equipo interior.
   • Usare questa tabella per la selezione delle apparecchiature interne.
   • Αυτός ο πίνακας προορίζεται για την επιλογή εσωτερικού εξοπλισμού.
   • Bu tablo iç ünite ekipmanlarının seçimine yöneliktir.
   • Эта таблица предназначена для выбора устанавливаемого в помещении оборудования.
2. • In the event that conditions differ due to the design requirements after system selection, actual operating ability of the indoor equipment will differ from that noted in the table because of changes in the outdoor air temperature and load factor.
   • Als nadat u het systeem hebt gekozen de voorwaarden afwijken van de ontwerpvereisten, dan zal het reële bedrijfsvermogen van de binnenunit afwijken van de in de tabel vermelde gegevens, wegens de afwijkende buitenluchttemperatuur en de belastingsfactor.
   • Si les exigences de conception après la sélection du système entraînent une modification des conditions, les capacités opérationnelles réelles de l'équipement intérieur diffèrent de celles indiquées dans le tableau en raison de la modification de la température de l'air extérieure et du facteur de charge.
   • Falls Bedingungen aufgrund der Konstruktionsanforderungen nach der Systemauswahl abweichen, dann weicht aufgrund der Änderungen der Außenlufttemperatur und des Lastfaktors die tatsächliche Betriebsfähigkeit der Innenanlage von der in der Tabelle aufgeführten ab.
   • En caso de que las condiciones difieran debido a los requisitos de diseño tras seleccionar el sistema, la capacidad de funcionamiento real del equipo interior diferirá de la que se muestra en la tabla debido a los cambios de la temperatura de aire exterior y al factor de carga.
   • Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
   • Στην περίπτωση που οι συνθήκες διαφέρουν λόγω των απαιτήσεων σχεδιασμού μετά την επιλογή συστήματος, η πραγματική δυνατότητα του εσωτερικού εξοπλισμού θα διαφέρει από την αναφερόμενη στον πίνακα, λόγω των αλλαγών στην εξωτερική θερμοκρασία αέρα και στο συντελεστή φορτίου.
   • Sistem seçiminden sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipmanın gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
   • В случае, если реальные условия отличаются от проектных условий работы, используемых при выборе системы, фактические характеристики устанавливаемого в помещении обору
3. • In this case, use the ability table for the indoor equipment selected and correct for the ratio of change in ability.
   • Gebruik in dat geval de vermogenstabel van de gekozen binneninstallatie en kies het juiste vermogen.
   • Le cas échéant, utiliser le tableau de capacité de l'équipement intérieur sélectionner et corriger le rapport de modification de capacité.
   • Verwenden Sie in diesem Fall die Fähigkeit für die ausgewählte Innenanlage und korrigieren Sie das Verhältnis der Änderung in der Fähigkeit.
   • En este caso, utilice la tabla de capacidades del equipo interior seleccionado y corrija la relación de cambio en capacidad.
   • In questo caso, usare la tabella delle capacità per le apparecchiature interne selezionate ed apportare le modifiche del caso in base alla percentuale di cambiamento di capacità.

3TW32682-1B

6 Capacity tables

6 - 2 Heating Capacity Tables

FXMQ-P7

Heating Capacity

Unit size	Indoor air temp. °CDB					
	16.0	18.0	20.0	21.0	22.0	24.0
	kW	kW	kW	kW	kW	kW
50	6.6	6.6	6.3	6.1	5.9	5.5
63	8.4	8.4	8.0	7.7	7.5	7.0
80	10.5	10.5	10.0	9.7	9.4	8.7
100	13.1	13.1	12.5	12.1	11.7	10.9
125	16.8	16.8	16.0	15.5	15.0	13.9

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

1. • This table is for the selection of indoor equipment.
   • Deze tabel is bedoeld voor het kiezen van de binnenunit.
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   • Esta tabla es para seleccionar el equipo interior.
   • Usare questa tabella per la selezione delle apparecchiature interne.
   • Αυτός ο πίνακας προορίζεται για την επιλογή εσωτερικού εξοπλισμού.
   • Bu tablo iç ünite ekipmanlarının seçimine yöneliktir.
   • Эта таблица предназначена для выбора устанавливаемого в помещении оборудования.
2. • In the event that conditions differ due to the design requirements after system selection, actual operating ability of the indoor equipment will differ from that noted in the table because of changes in the outdoor air temperature and load factor.
   • Als nadat u het systeem hebt gekozen de voorwaarden afwijken van de ontwerpvereisten, dan zal het reële bedrijfsvermogen van de binnenunit afwijken van de in de tabel vermelde gegevens, wegens de afwijkende buitenluchttemperatuur en de belastingsfactor.
   • Si les exigences de conception après la sélection du système entraînent une modification des conditions, les capacités opérationnelles réelles de l'équipement intérieur diffèrent de celles indiquées dans le tableau en raison de la modification de la température de l'air extérieure et du facteur de charge.
   • Falls Bedingungen aufgrund der Konstruktionsanforderungen nach der Systemauswahl abweichen, dann weicht aufgrund der Änderungen der Außenlufttemperatur und des Lastfaktors die tatsächliche Betriebsfähigkeit der Innenanlage von der in der Tabelle aufgeführten ab.
   • En caso de que las condiciones difieran debido a los requisitos de diseño tras seleccionar el sistema, la capacidad de funcionamiento real del equipo interior diferirá de la que se muestra en la tabla debido a los cambios de la temperatura de aire exterior y al factor de carga.
   • Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
   • Στην περίπτωση που οι συνθήκες διαφέρουν λόγω των απαιτήσεων σχεδιασμού μετά την επιλογή συστήματος, η πραγματική δυνατότητα του εσωτερικού εξοπλισμού θα διαφέρει από την αναφερόμενη στον πίνακα, λόγω των αλλαγών στην εξωτερική θερμοκρασία αέρα και στο συντελεστή φορτίου.
   • Sistem seçiminden sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipmanın gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
   • В случае, если реальные условия отличаются от проектных условий работы, используемых при выборе системы, фактические характеристики устанавливаемого в помещении обору
3. • In this case, use the ability table for the indoor equipment selected and correct for the ratio of change in ability.
   • Gebruik in dat geval de vermogenstabel van de gekozen binneninstallatie en kies het juiste vermogen.
   • Le cas échéant, utiliser le tableau de capacité de l'équipement intérieur sélectionner et corriger le rapport de modification de capacité.
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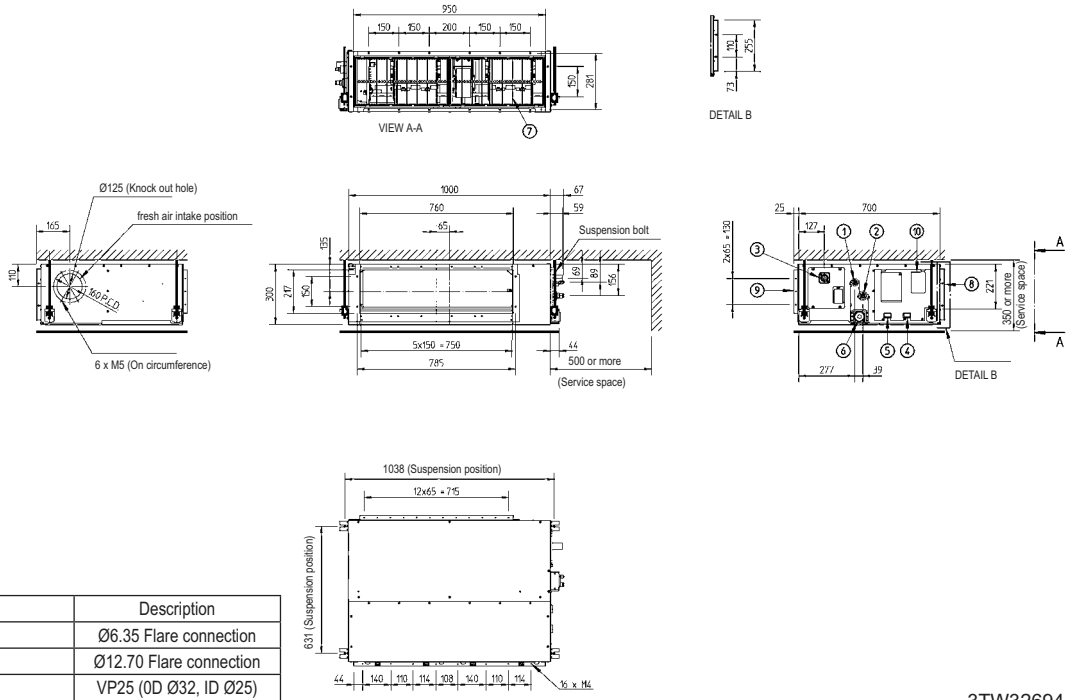
   • En este caso, utilice la tabla de capacidades del equipo interior seleccionado y corrija la relación de cambio en capacidad.
   • In questo caso, usare la tabella delle capacità per le apparecchiature interne selezionate ed apportare le modifiche del caso in base alla percentuale di cambiamento di capacità.

3TW25512-2B

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXMQ50P7



Item	Name	Description
1	Liquid pipe connection	Ø6.35 Flare connection
2	Gas pipe connection	Ø12.70 Flare connection
3	Drain pipe connection	VP25 (0D Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP20 (0D Ø32, ID Ø25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

3TW32694-1

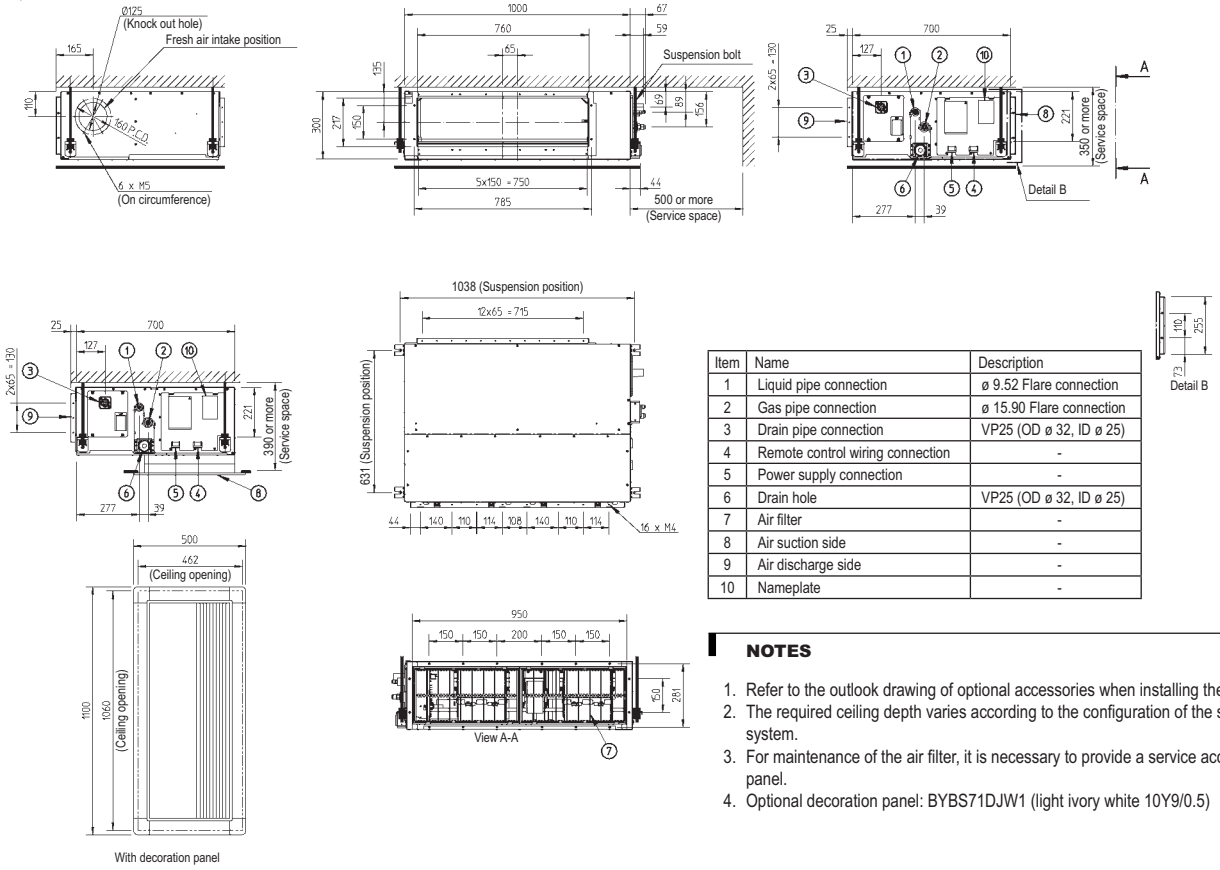
NOTES

1 Refer to 'outlook drawing for installing optional accessories' when installing optional accessories.

2 The required ceiling depth varies according to the configuration of the specific system.

3 For maintenance of the air filter, it is necessary to provide a service access panel. Refer to the 'filter installation method' drawing.

FXMQ63-80P7



Item	Name	Description
1	Liquid pipe connection	ø 9.52 Flare connection
2	Gas pipe connection	ø 15.90 Flare connection
3	Drain pipe connection	VP25 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

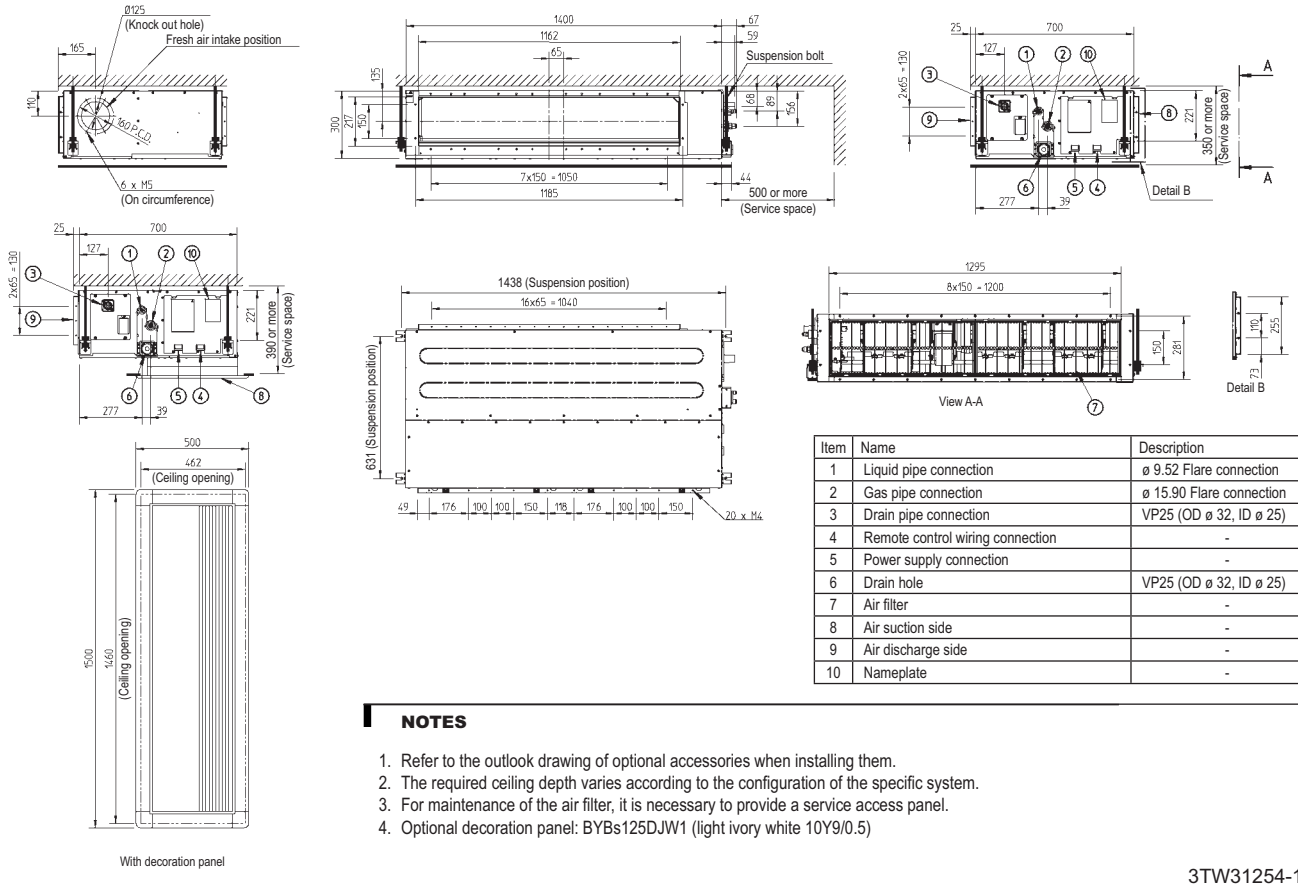
1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific system.
3. For maintenance of the air filter, it is necessary to provide a service access panel.
4. Optional decoration panel: BYBS71DJW1 (light ivory white 10Y9/0.5)

3TW31234-1B

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXMQ100-125P7



With decoration panel

Item	Name	Description
1	Liquid pipe connection	ø 9.52 Flare connection
2	Gas pipe connection	ø 15.90 Flare connection
3	Drain pipe connection	VP25 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

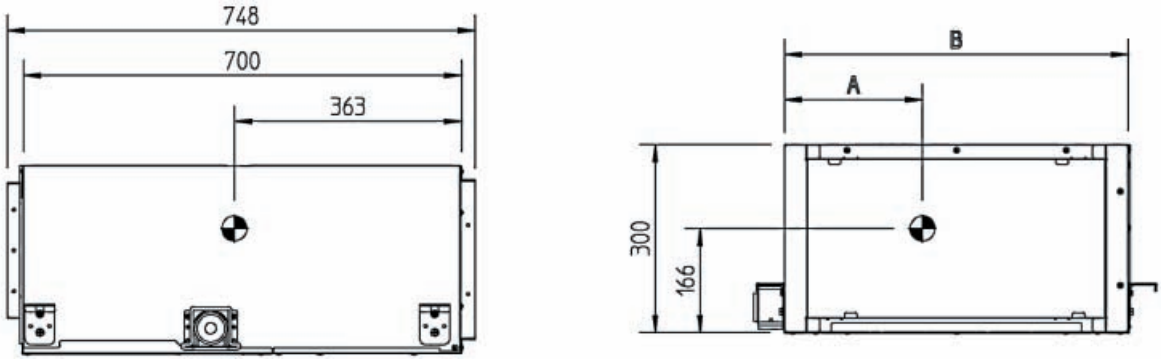
1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific system.
3. For maintenance of the air filter, it is necessary to provide a service access panel.
4. Optional decoration panel: BYBs125DJW1 (light ivory white 10Y9/0.5)

3TW31254-1B

8 Centre of gravity

8 - 1 Centre of Gravity

FXMQ-P7



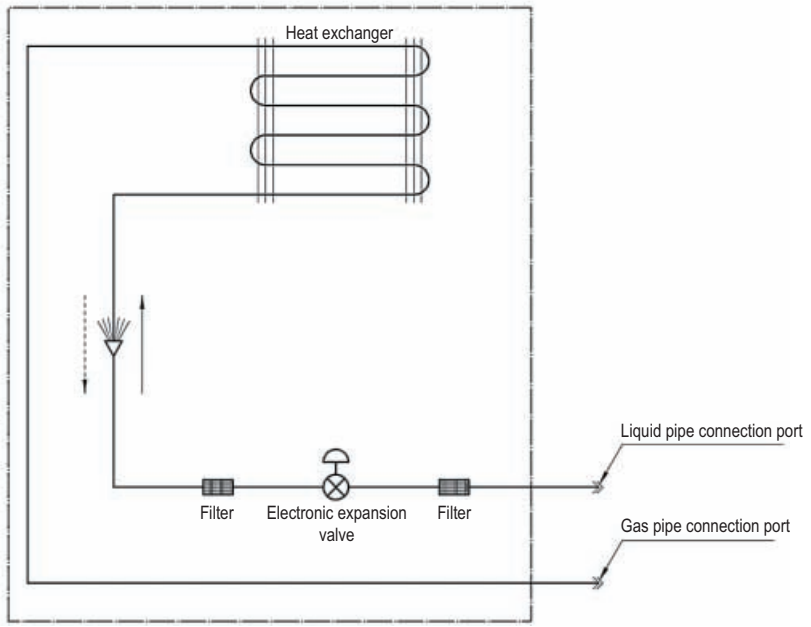
Model	A	B
FXMQ50,63,80	441	1000
FXMQ100,125	619	1400

4TW31189-1B

9 Piping diagrams

9 - 1 Piping Diagrams

FXMQ-P7



Refrigerant pipe connection port diameters

Model	Gas	Liquid
FXMQ50	Ø 12.70	Ø 6.35
FXMQ63,80,100,125	Ø 15.90	Ø 9.52

Refrigerantflow

COOLING

HEATING

3TW31185-1A

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXMQ50-125P7

Indoor unit

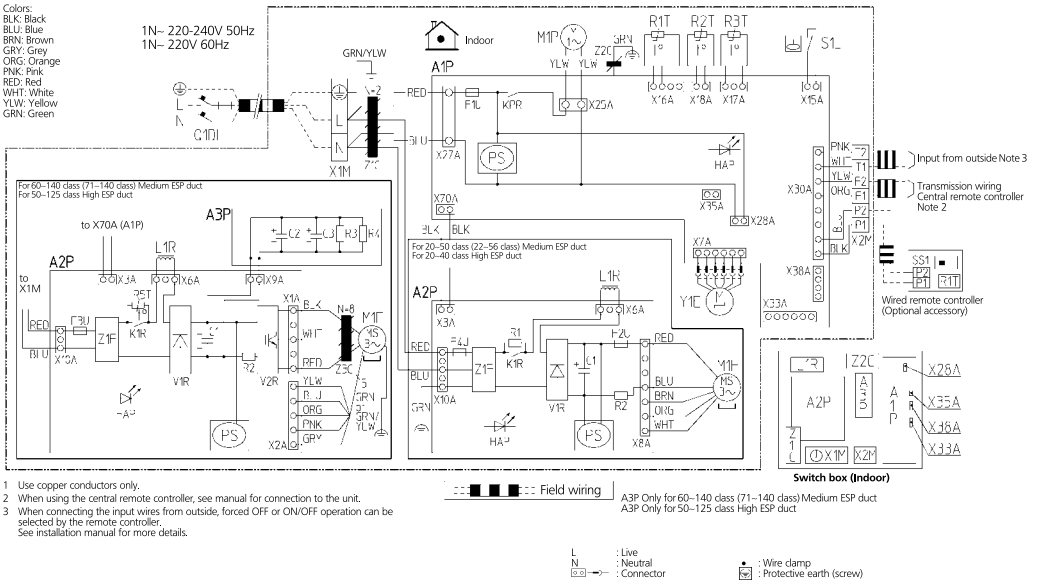
A1P	: Printed circuit board
A2P	: Printed circuit board (Fan)
A3P	: Printed circuit board (Capacitor)
C1,C2,C3	: Capacitor
F1U	: Fuse (T, 3.15A, 250V)
F2U	: Fuse (T, 5A, 250V)
F3U	: Fuse (T, 6.3A, 250V)
F4U	: Fuse (T, 6.3A, 250V)
HAP	: Light emitting diode (Service monitor-green)
KPR,K1R	: Magnetic relay
L1R	: Reactor
M1F	: Motor (Fan)
M1P	: Motor (Drain pump)
PS	: Switching power supply
Q1DI	: Earth leak detector
R1	: Resistor (current limiting)
R2	: Current sensing device
R3,R4	: Resistor (Electric discharge)
R1T	: Thermistor (Suction air)
R2T	: Thermistor (liquid)
R3T	: Thermistor (Gas)
R5T	: Thermistor NTC (current limiting)
S1L	: Float switch
V1R	: Diode bridge
V2R	: Power module
X1M	: Terminal strip (Power supply)
X2M	: Terminal strip (control)
Y1E	: Electronic expansion valve
Z1C,Z2C,Z3C	: Noise filter (Ferrite core)
Z1F	: Noise filter

Connector optional accessory

X28A	: Connector (Power supply for wiring)
X33A	: Connector (for wiring)
X35A	: Connector (Adapter)
X38A	: Connector (for wiring)

Wired remote controller

R1T	: Thermistor (air)
SS1	: Selector switch (main/sub)



1 Use copper conductors only.
2 When using the central remote controller, see manual for connection to the unit.
3 When connecting the input wires from outside, forced OFF or ON/OFF operation can be selected by the remote controller.
See installation manual for more details.

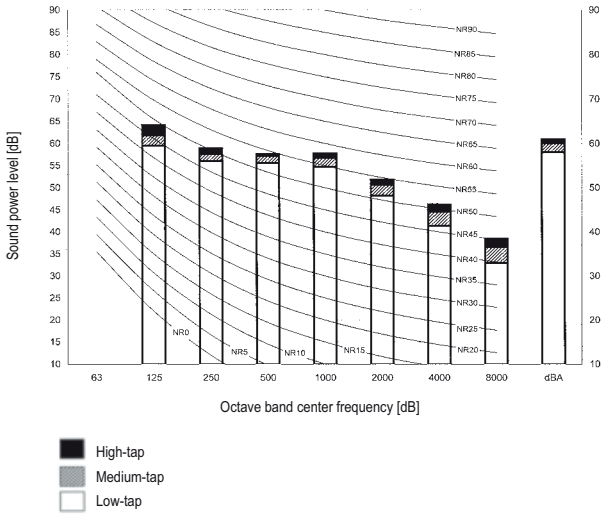
2TW32656-2

8
10

11 Sound data

11 - 1 Sound Power Spectrum

FXMQ50P7

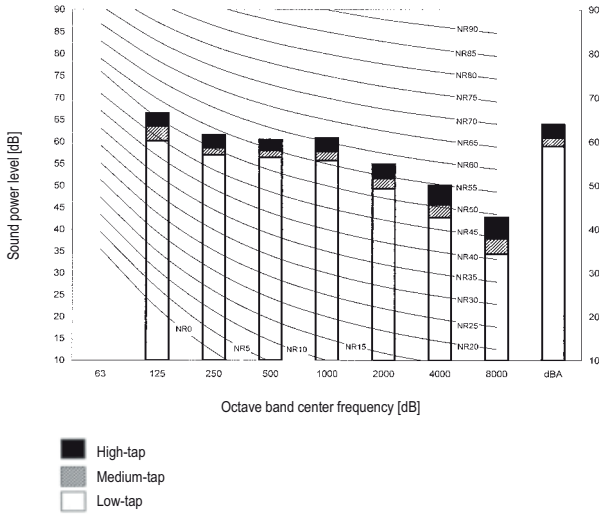


3TW32697-1

NOTES

- dBA = A weighted sound power level. (A-scale according to IEC)
- Reference acoustic intensity 0dB = 10E-6μW/m2
- Measured according to ISO 3744

FXMQ63P7

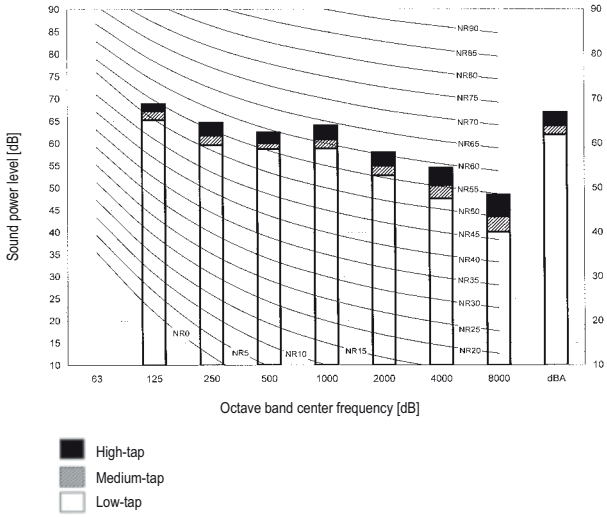


3TW32707-1

NOTES

- dBA = A weighted sound power level. (A-scale according to IEC)
- Reference acoustic intensity 0dB = 10E-6μW/m2
- Measured according to ISO 3744

FXMQ80P7

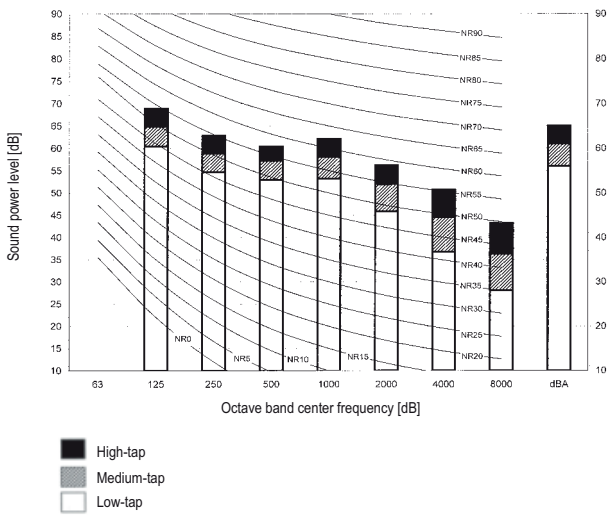


3TW32717-1

NOTES

- dBA = A weighted sound power level. (A-scale according to IEC)
- Reference acoustic intensity 0dB = 10E-6μW/m2
- Measured according to ISO 3744

FXMQ100P7



3TW32727-1

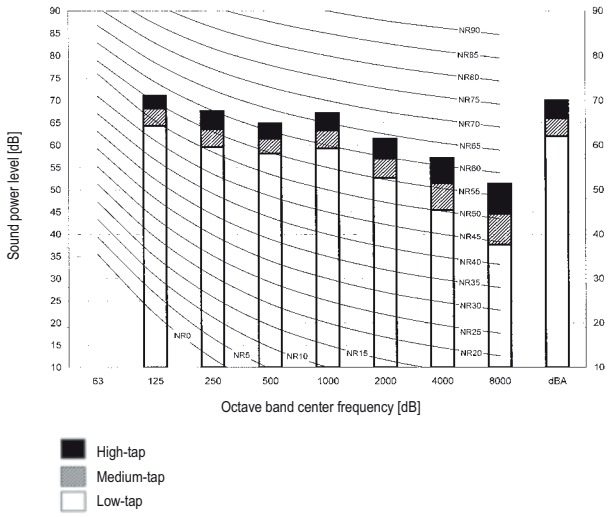
NOTES

- dBA = A weighted sound power level. (A-scale according to IEC)
- Reference acoustic intensity 0dB = 10E-6μW/m2
- Measured according to ISO 3744

11 Sound data

11 - 1 Sound Power Spectrum

FXMQ125P7



3TW32737-1

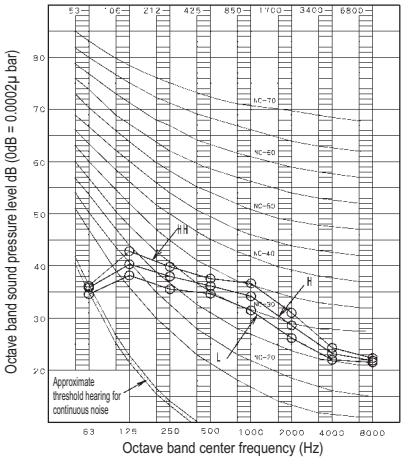
NOTES

- dBA = A weighted sound power level. (A-scale according to IEC)
- Reference acoustic intensity 0dB = 10E-6μW/m2
- Measured according to ISO 3744

11 Sound data

11 - 2 Sound Pressure Spectrum

FXMQ50P7

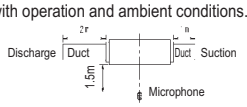


4D060428B

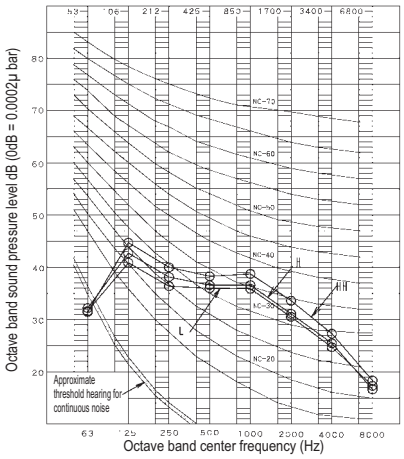
NOTES

1. Over All (dB):
   (B,G,N is already rectified)
2. Operating conditions:
   Power source: 220~240V 50Hz / 220V 60Hz
   Cooling: return air temperature: 27°CDB, 19°CWB
   outdoor temperature: 35°CDB, 24°CWD
   Heating: return air temperature: 20°CDB, 15°CWB
   outdoor temperature: 7°CDB, 6°CWB
   External static pressure: 100Pa
3. Measuring place: Anechoic chamber
4. Operation noise differs with operation and ambient conditions.
5. Location of microphone.

Scale	Air flow rate		
	HH	H	L
A	41.0	39.0	37.0
C	46.0	44.0	42.0



FXMQ63P7

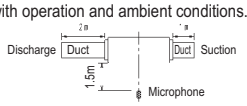


4D060447B

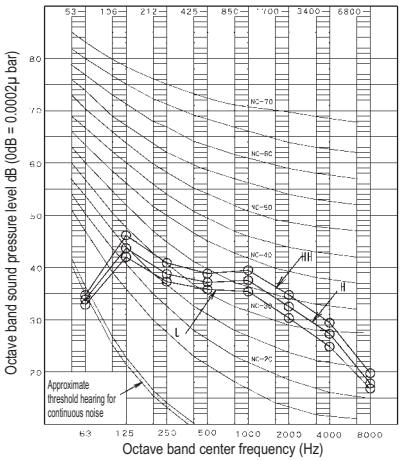
NOTES

1. Over All (dB):
   (B,G,N is already rectified)
2. Operating conditions:
   Power source: 220~240V 50Hz / 220V 60Hz
   Cooling: return air temperature: 27°CDB, 19°CWB
   outdoor temperature: 35°CDB, 24°CWD
   Heating: return air temperature: 20°CDB, 15°CWB
   outdoor temperature: 7°CDB, 6°CWB
   External static pressure: 100Pa
3. Measuring place: Anechoic chamber
4. Operation noise differs with operation and ambient conditions.
5. Location of microphone.

Scale	Air flow rate		
	HH	H	L
A	42.0	40.0	38.0
C	48.0	46.0	44.0



FXMQ80P7

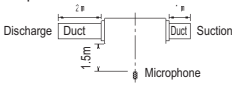


4D060429B

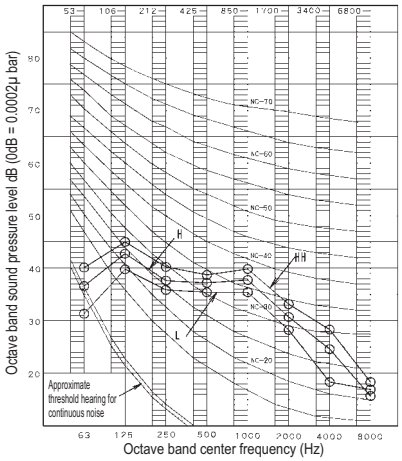
NOTES

1. Over All (dB):
   (B,G,N is already rectified)
2. Operating conditions:
   Power source: 220~240V 50Hz / 220V 60Hz
   Cooling: return air temperature: 27°CDB, 19°CWB
   outdoor temperature: 35°CDB, 24°CWD
   Heating: return air temperature: 20°CDB, 15°CWB
   outdoor temperature: 7°CDB, 6°CWB
   External static pressure: 100Pa
3. Measuring place: Anechoic chamber
4. Operation noise differs with operation and ambient conditions.
5. Location of microphone.

Scale	Air flow rate		
	HH	H	L
A	43.0	41.0	39.0
C	49.0	47.0	45.0



FXMQ100P7

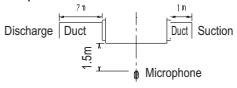


4D060448B

NOTES

1. Over All (dB):
   (B,G,N is already rectified)
2. Operating conditions:
   Power source: 220~240V 50Hz / 220V 60Hz
   Cooling: return air temperature: 27°CDB, 19°CWB
   outdoor temperature: 35°CDB, 24°CWD
   Heating: return air temperature: 20°CDB, 15°CWB
   outdoor temperature: 7°CDB, 6°CWB
   External static pressure: 100Pa
3. Measuring place: Anechoic chamber
4. Operation noise differs with operation and ambient conditions.
5. Location of microphone.

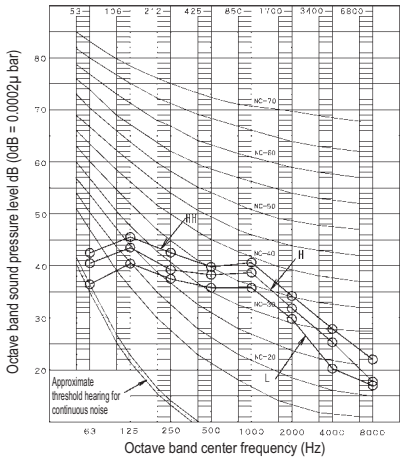
Scale	Air flow rate		
	HH	H	L
A	43.0	41.0	39.0
C	49.0	46.0	44.0



11 Sound data

11 - 2 Sound Pressure Spectrum

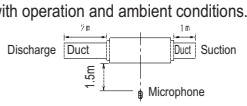
FXMQ125P7



4D060449B

NOTES

1. Over All (dB):
   (B,G,N is already rectified)
2. Operating conditions:
   Power source: 220~240V 50Hz / 220V 60Hz
   Cooling: return air temperature: 27°CDB, 19°CWB
   outdoor temperature: 35°CDB, 24°CWD
   Heating: return air temperature: 20°CDB, 15°CWB
   outdoor temperature: 7°CDB, 6°CWB
   External static pressure: 100Pa
3. Measuring place: Anechoic chamber
4. Operation noise differs with operation and ambient conditions.
5. Location of microphone.



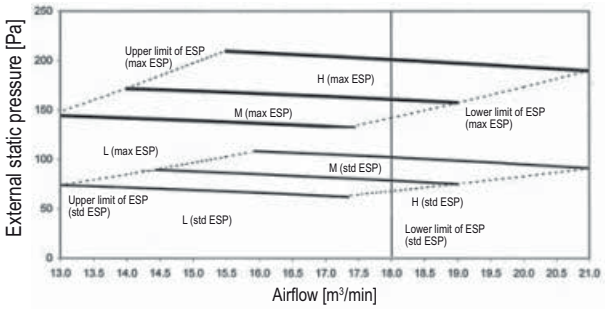
Scale	Air flow rate		
	HH	H	L
A	44.0	42.0	40.0
C	50.0	48.0	45.0

12 Fan characteristics

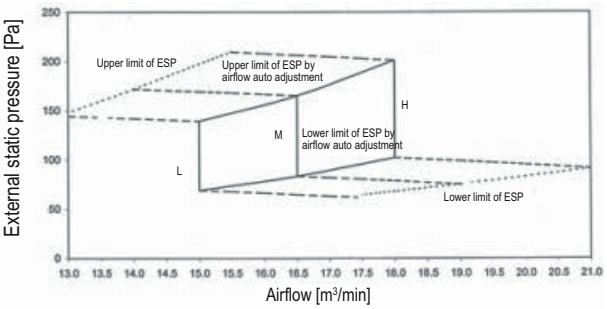
12 - 1 Fan Characteristics

FXMQ50P7

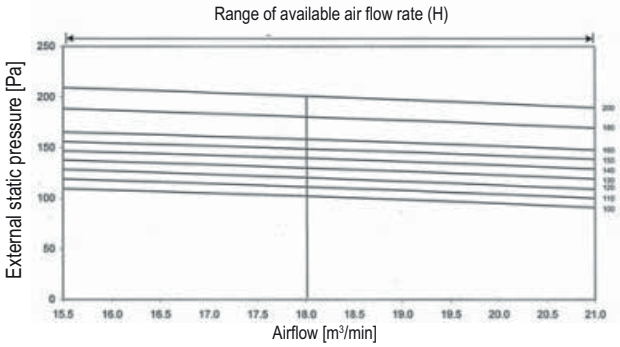
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)



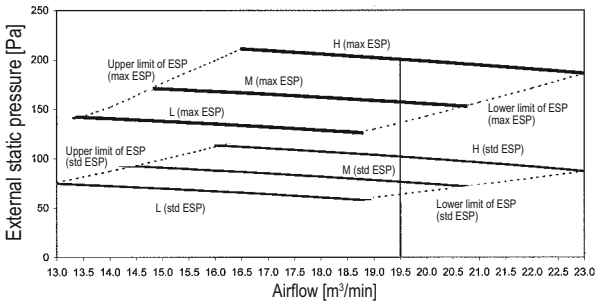
3TW32698-1

NOTES

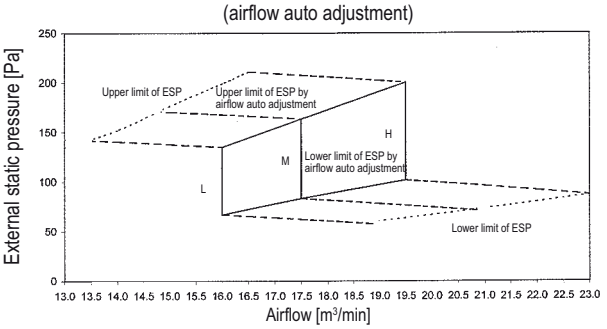
1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure

FXMQ63P7

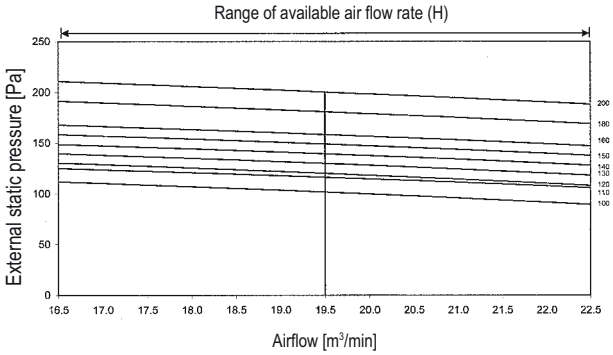
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)



3TW32708-1

NOTES

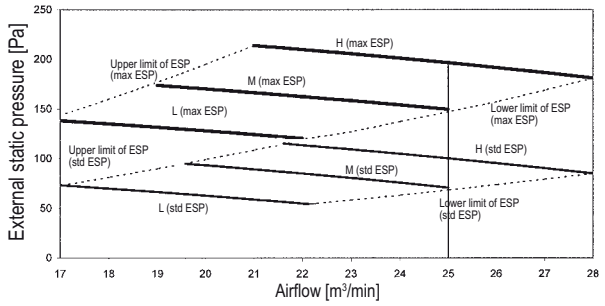
1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure

12 Fan characteristics

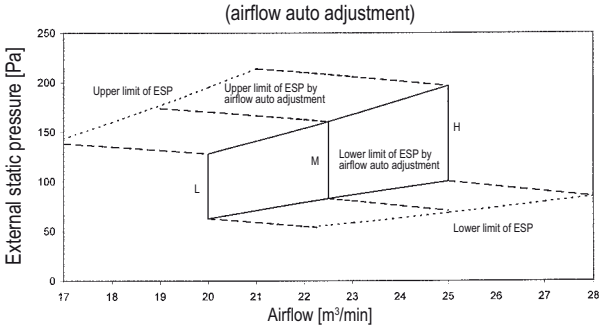
12 - 1 Fan Characteristics

FXMQ80P7

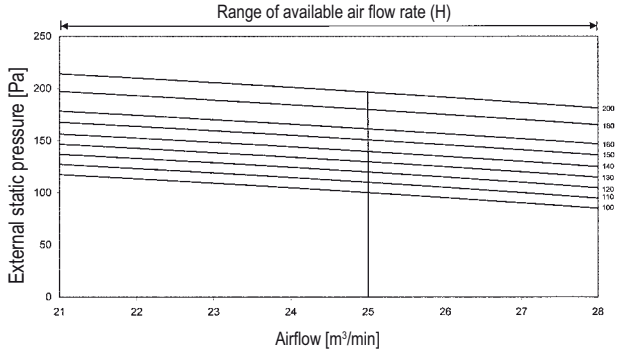
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)



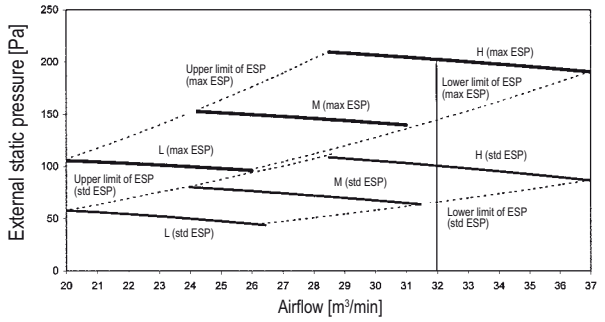
3TW32718-1

NOTES

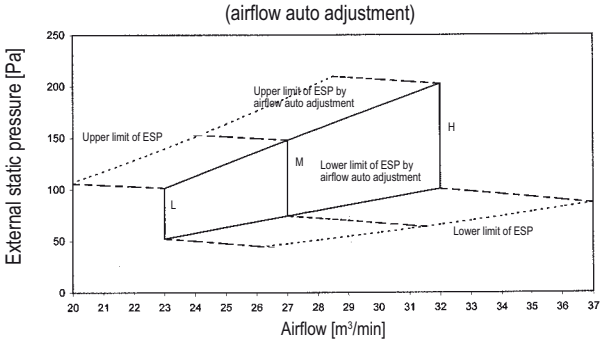
1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure

FXMQ100P7

Fan characteristics (1)

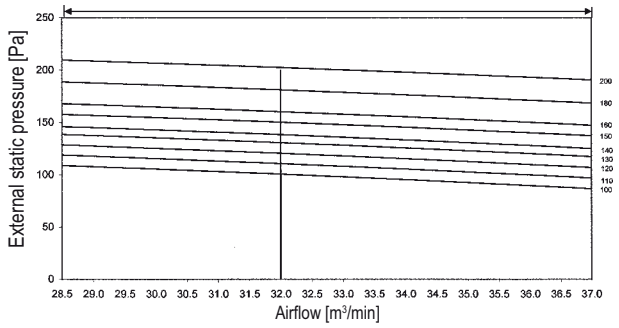


Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)

Range of available air flow rate (H)



3TW32728-1

NOTES

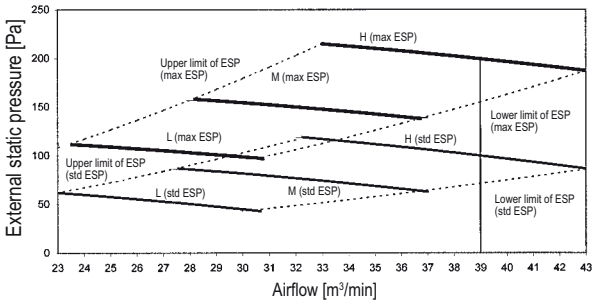
1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure.

12 Fan characteristics

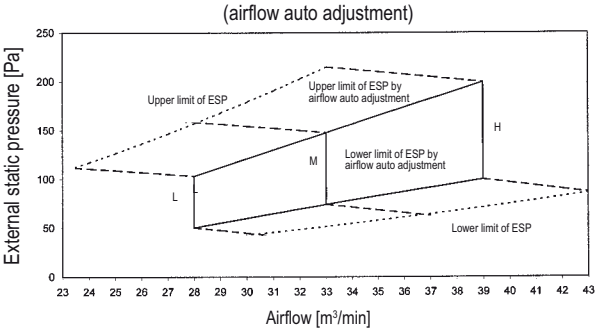
12 - 1 Fan Characteristics

FXMQ125P7

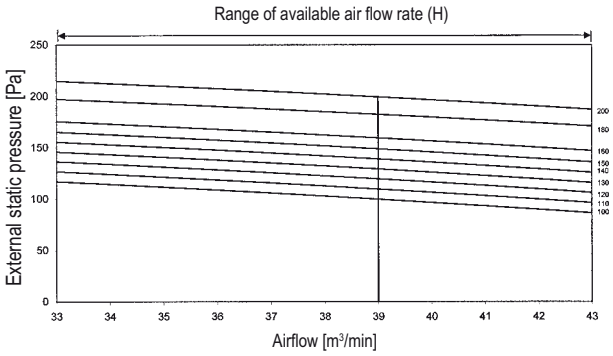
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)



3TW32738-1

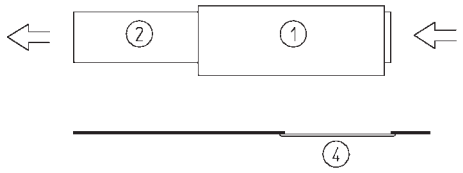
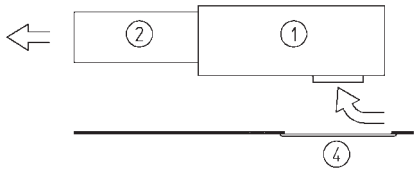
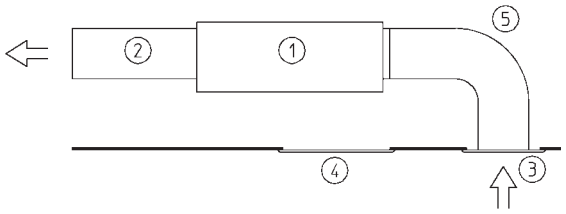
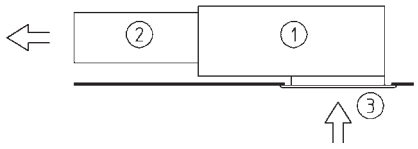
NOTES

1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure

13 Installation

13 - 1 Installation Method

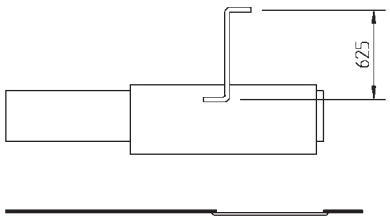
FXMQ-P7

Rear suction	Bottom suction
 Ceiling return	 Ceiling return
 Installation with duct	 Direct installation of inlet panel EKBYBSD is required for direct installation

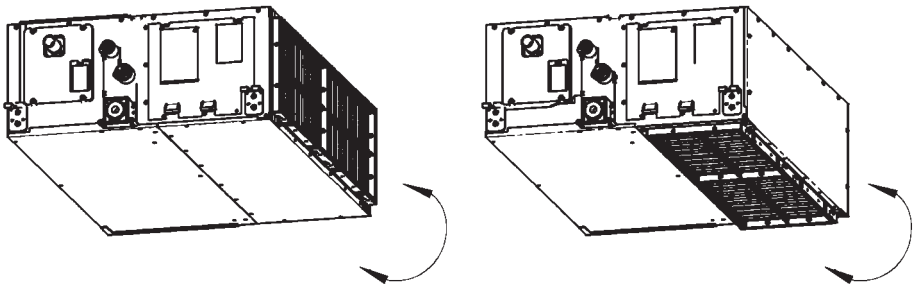
Wide variety of installation methods

Number	Description	
1	Main body	
2	Air outlet duct	Field supply
3	Inlet panel	Optional accessory
4	Access panel	Optional accessory
5	Air inlet duct	Field supply

Drain pump up height



Easy modification from rear to bottom suction



3TW31183-1A

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1 Features

- Reduced energy consumption thanks to specially developed DC fan motor
- Improved comfort thanks to 3-step air flow control
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- The use of an integrated inverter control ensures maximum comfort and efficiency.
- Standard built-in drain pump increases flexibility and installation speed
- Allows multi tenant applications (option PCB required)
- Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, whatever the length of duct, making installation easier and guaranteeing comfort. Moreover, the ESP can be changed via the wir

Energy efficiency

Fan only

Auto cooling-heating changeover

Fan speed steps

Dry programme

Air filter

Auto-restart

Self diagnosis

Multi tenant

Drain pump kit

2 Specifications

2-1 Technical Specifications					FXMQ140P
Cooling capacity	Nom.			kW	16.0 (1)
Heating capacity	Nom.			kW	18.0 (2)
Power input - 50Hz	Cooling	Nom.		kW	0.461
	Heating	Nom.		kW	0.449
Power input - 60Hz	Cooling	Nom.		kW	0.460
	Heating	Nom.		kW	0.449
Dimensions	Unit	Height		mm	300
		Width		mm	1,400
		Depth		mm	700
Weight	Unit			kg	47
Casing	Material				Galvanised steel plate
Heat exchanger	Type				Cross fin coil
	Rows	Quantity			3
	Fin pitch			mm	1.5
	Face area			m²	0.383
	Stages	Quantity			16
Fan	Type				Sirocco fan
	Air flow rate - 50Hz	Cooling	Super high	m³/min	46
			High	m³/min	39
			Low	m³/min	32
	Air flow rate - 60Hz	Cooling	Super high	m³/min	46
			High	m³/min	39
			Low	m³/min	32
	External static pressure - 50Hz	High		Pa	140 (3)
		Nom.		Pa	100
		Low		Pa	50 (3)
	External static pressure - 60Hz	High		Pa	140
		Nom.		Pa	100
		Low		Pa	50
Fan motor	Output	High		W	350
	Drive				Direct drive
Sound pressure level	Cooling	Super high		dBA	46
		High		dBA	45
		Low		dBA	43
Refrigerant	Control				Electronic expansion valve
Piping connections	Liquid	Type			Flare connection
		OD		mm	9.52
	Gas	Type			Flare connection
		OD		mm	15.9
	Drain				VP25 (O.D. 32 / I.D. 25)
Temperature control					Microprocessor thermostat for cooling and heating
Safety devices	Item	01			Fuse
		02			Fan driver overload protector
Control systems	Infrared remote control				-
	Wired remote control				-
	Simplified wired remote control for hotel applications				-

Standard Accessories : Operation manual;
Standard Accessories : Installation manual;
Standard Accessories : Drain hose;
Standard Accessories : Sealing pads;
Standard Accessories : Clamps;
Standard Accessories : Washer;
Standard Accessories : Screws;
Standard Accessories : Insulation for fitting;

2 Specifications

Standard Accessories : Clamp metal;
Standard Accessories : Air discharge flange;
Standard Accessories : Air suction flange;

2-2 Electrical Specifications				FXMQ140P
Power supply	Name			VE
	Phase			1~
	Frequency		Hz	50/60
	Voltage		V	220-240/220
Voltage range	Min.		%	-10
	Max.		%	10
Current - 50Hz	Minimum circuit amps (MCA)		A	3.4
	Maximum fuse amps (MFA)		A	16
	Full load amps (FLA)	Total	A	2.7
Current - 60Hz	Minimum circuit amps (MCA)		A	3.4
	Maximum fuse amps (MFA)		A	16
	Full load amps (FLA)	Total	A	2.7

Notes

(1) Cooling: return air temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; standard external static pressure; equivalent refrigerant piping: 7.5m (horizontal)

(2) Heating: return air temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; standard external static pressure; equivalent refrigerant piping: 7.5m (horizontal)

(3) Instead of a fuse, use a circuit breaker

Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

External static pressure is changeable in 7 stages (20, 25, 32 class); 13 stages (40 class); 14 stages (50, 63, 80, 100, 125 class); 10 stages (140 class) within the range of the remote control.

The air filter is not a standard accessory, but please mount it in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

Operation sound differs with operation and ambient conditions

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 16A

Select wire size based on the value of MCA

3 Safety device settings

3 - 1 Safety Device Settings

FXMQ140P

	Safety devices		20	25	32	40	50	63	80	100	125	140
FXMQ~P	PC board fuse		250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A
	PC board fuse (Fan driver)		250V 5A	250V 5A	250V 5A	250V 5A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A
	Drain pump thermal fuse	°C	145	145	145	145	145	145	145	145	145	145

3D034597M

4 Options

4 - 1 Options

FXMQ140P

Item \ Model		< Duct type >
		FXMQ140P
High efficiency filter	65%	KAF372AA160
	90%	KAF373AA160
Filter chamber		KDDF37AA160
Long life replacement filter		KAF371AA160
Long life replacement filter chamber kit		KAF375AA160
Service panel		KTB25KA160W
		KTBJ25K160F
		KTBJ25K160T
Air discharge adapter		KDAJ25K140A

NOTE

1. See the latest for the modification marks.

3D060443D

5 Control systems

5 - 1 Control Systems

FXMQ140P

Item	Type		FXMQ-P
Remote controller	Wireless	H/P	BRC4C65
		C/O	BRC4C66
	Wired		BRC1C62
Simplified remote controller			BRC2C51
Remote control for hotel use			BRC3A61
Adapter for wiring			(*) KRP1C64
Wiring adapter for electrical appendices 1			(*) KRP2A61
Wiring adapter for electrical appendices 2			(*) KRP4AA51
Remote sensor			KRCS01-4B
Mounting plate for adapter PCB			KRP4A96 (2) (3)
Central remote controller			DCS302CA61
Electric box with earth terminal - 3 blocks			KJB311AA
Unified ON/OFF controller			DCS301BA61
Electric box with earth terminal - 2 blocks			KJB212AA
Noise filter (for electromagnetic interface use only)			KEK26-1A
Schedule timer			DST301BA61
External control adapter for outdoor unit (must be installed on indoor unit)			(*) DTA104A61
Adaptor for multi tenant			(*) DTA114A61

3D060455D

(1): Mounting plate is necessary for each adaptor marked with (*).
(2): Up to 2 adaptors can be fixed for each mounting plate.
(3): Only one mounting plate can be installed for each indoor unit.

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXMQ20-140P

TC: Total Capacity; kW - SHC: Sensible heat capacity; kW

Unit size	Nominal capacity	Outdoor air temp.	14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	2.2	10.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.8	2.1
		12.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	2.0
		14.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	2.0
		16.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	2.0
		18.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.6	2.0
		20.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.6	2.0
		21.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.6	2.0
		23.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.5	1.9
		25.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.5	1.9
		27.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.9	2.5	1.9
		29.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.8	2.4	1.9
		31.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.8	2.4	1.8
		33.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.3	1.8	2.4	1.8
		35.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.2	1.9	2.3	1.8	2.3	1.8
		37.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.2	1.8	2.2	1.7	2.3	1.8
		39.0	1.5	1.5	1.8	1.8	2.1	1.9	2.1	1.9	2.2	1.8	2.2	1.7	2.3	1.8
		42.0	1.5	1.5	1.8	1.8	2.0	1.9	2.1	1.8	2.1	1.8	2.2	1.7	2.2	1.7
		44.0	1.5	1.5	1.8	1.8	2.0	1.9	2.0	1.8	2.1	1.7	2.1	1.7	2.2	1.7
		46.0	1.5	1.5	1.8	1.8	1.9	1.8	1.9	1.7	1.9	1.6	1.9	1.5	1.9	1.5
25	2.8	10.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.5	2.4
		12.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.5	2.4
		14.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.4	2.4
		16.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.4	2.4
		18.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.4	2.4
		20.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.2	2.3	3.3	2.3
		21.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.2	2.3	3.3	2.3
		23.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.2	2.3	3.2	2.3
		25.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.1	2.3	3.2	2.3
		27.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.1	2.2	3.2	2.3
		29.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.0	2.2	3.1	2.2
		31.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	2.9	2.3	3.0	2.2	3.1	2.2
		33.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	2.9	2.3	2.9	2.2	3.0	2.2
		35.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	2.8	2.2	2.9	2.1	3.0	2.2
		37.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	2.8	2.2	2.9	2.1	2.9	2.1
		39.0	1.9	1.8	2.3	2.0	2.6	2.3	2.7	2.2	2.7	2.2	2.8	2.1	2.9	2.1
		42.0	1.9	1.8	2.3	2.0	2.6	2.3	2.6	2.2	2.7	2.1	2.7	2.1	2.8	2.1
		44.0	1.9	1.8	2.3	2.0	2.6	2.2	2.6	2.2	2.6	2.1	2.7	2.0	2.8	2.0
		46.0	1.9	1.8	2.3	2.0	2.4	2.1	2.4	2.1	2.4	2.0	2.4	1.9	2.4	1.9
32	3.6	10.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.6	3.0
		12.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.5	3.0
		14.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.4	3.0
		16.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.4	3.0
		18.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.2	3.0	4.3	2.9
		20.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.2	2.9	4.3	2.9
		21.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.1	2.9	4.2	2.9
		23.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.1	2.9	4.2	2.9
		25.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.0	2.9	4.1	2.8
		27.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.0	2.8	4.1	2.8
		29.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	3.9	2.8	4.0	2.8
		31.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	3.8	2.8	3.9	2.7
		33.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.7	2.8	3.8	2.7	3.9	2.7
		35.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.6	2.8	3.7	2.7	3.8	2.7
		37.0	2.4	2.2	2.9	2.5	3.4	2.8	3.5	2.8	3.6	2.8	3.7	2.7	3.8	2.7
		39.0	2.4	2.2	2.9	2.5	3.4	2.8	3.5	2.8	3.5	2.7	3.6	2.6	3.7	2.6
		42.0	2.4	2.2	2.9	2.5	3.4	2.8	3.4	2.7	3.4	2.7	3.5	2.6	3.6	2.6
		44.0	2.4	2.2	2.9	2.5	3.3	2.8	3.3	2.7	3.4	2.6	3.5	2.6	3.6	2.6
		46.0	2.4	2.2	2.9	2.5	3.1	2.7	3.1	2.6	3.1	2.5	3.1	2.3	3.1	2.3
40	4.5	10.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.4	3.9	5.7	4.0
		12.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.4	3.9	5.6	4.0
		14.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.4	3.9	5.5	4.0
		16.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.4	3.9	5.5	3.9
		18.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.3	3.9	5.4	3.9
		20.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.2	3.8	5.3	3.9
		21.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.2	3.8	5.3	3.8
		23.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.1	3.8	5.2	3.8
		25.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.0	3.7	5.1	3.8
		27.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.0	3.7	5.1	3.7
		29.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	4.9	3.7	5.0	3.7
		31.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.7	3.8	4.8	3.6	4.9	3.6
		33.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.6	3.7	4.7	3.6	4.8	3.6
		35.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.6	3.7	4.7	3.5	4.8	3.6
		37.0	3.0	2.9	3.6	3.4	4.2	3.8	4.4	3.8	4.5	3.6	4.6	3.5	4.7	3.5
		39.0	3.0	2.9	3.6	3.4	4.2	3.8	4.4	3.7	4.4	3.6	4.5	3.4	4.6	3.5
		42.0	3.0	2.9	3.6	3.4	4.2	3.8	4.2	3.6	4.3	3.5	4.4	3.4	4.5	3.4
		44.0	3.0	2.9	3.6	3.4	4.1	3.7	4.2	3.6	4.2	3.5	4.3	3.3	4.4	3.4
		46.0	3.0	2.9	3.6	3.4	3.9	3.6	3.9	3.4	3.9	3.3	3.9	3.0	3.9	3.1
50	5.6	10.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.7	4.8	7.1	4.3
		12.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.7	4.8	7.0	4.3
		14.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.7	4.8	6.9	4.2
		16.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.7	4.8	6.8	4.1
		18.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.6	4.7	6.7	4.1
		20.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.5	4.7	6.6	4.0
		21.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.4	4.6	6.6	4.0
		23.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.4	4.6	6.5	4.0
		25.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.3	4.5	6.4	3.9
		27.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	6.0	4.6	6.2	4.5	6.3	3.8
		29.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	5.9	4.6	6.1	4.4	6.2	3.8
		31.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	5.9	4.6	6.0	4.4	6.1	3.7
		33.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	5.8	4.5	5.9	4.3	6.0	3.7
		35.0	3.8	3.6	4.5	4.1	5.2	4.5	5.6	4.6	5.7	4.5	5.8	4.3	5.9	3.6
		37.0	3.8	3.6	4.5	4.1	5.2	4.5	5.5	4.6	5.6	4.4	5.7	4.2	5.8	3.6
		39.0	3.8	3.6	4.5	4.1	5.2	4.5	5.4	4.5	5.5	4.4	5.6	4.2	5.8	3.5
		42.0	3.8	3.6	4.5	4.1	5.2	4.5	5.3	4.4	5.3	4.3	5.5	4.1	5.6	3.4
		44.0	3.8	3.6	4.5	4.1	5.1	4.5	5.2	4.4	5.3	4.2	5.4	4.1	5.5	3.4
		46.0	3.8	3.6	4.5	4.1	4.8	4.3	4.8	4.1	4.8	4.0	4.8	3.7	4.9	2.9

CA08A050C

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXMQ20-140P

TC: Total Capacity; kW - SHC: Sensible heat capacity; kW

Unit size	Nominal capacity	Outdoor air temp.	14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
63	7.1	10.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.5	5.8	9.0	6.4
		12.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.5	5.8	8.9	6.3
		14.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.5	5.8	8.7	6.3
		16.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.5	5.8	8.6	6.3
		18.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.3	5.8	8.5	6.2
		20.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.2	5.7	8.4	6.2
		21.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.2	5.7	8.3	6.2
		23.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.1	5.6	8.2	6.1
		25.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	7.9	5.6	8.1	6.1
		27.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	7.8	5.5	8.0	6.1
		29.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.5	5.6	7.7	5.4	7.9	6.0
		31.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.4	5.5	7.6	5.4	7.8	6.0
		33.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.3	5.5	7.5	5.3	7.6	5.9
		35.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.2	5.4	7.4	5.3	7.5	5.9
		37.0	4.8	4.2	5.7	4.9	6.6	5.4	7.0	5.5	7.1	5.4	7.2	5.2	7.4	5.9
		39.0	4.8	4.2	5.7	4.9	6.6	5.4	6.9	5.4	7.0	5.3	7.1	5.1	7.3	5.8
		42.0	4.8	4.2	5.7	4.9	6.6	5.4	6.7	5.3	6.8	5.2	7.0	5.0	7.1	5.7
		44.0	4.8	4.2	5.7	4.9	6.5	5.4	6.6	5.2	6.7	5.1	6.8	5.0	7.0	5.7
		46.0	4.8	4.2	5.7	4.9	6.1	5.1	6.1	5.0	6.1	4.8	6.1	4.6	6.2	5.3
80	9.0	10.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.8	7.4	11.4	7.4
		12.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.8	7.4	11.2	7.4
		14.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.8	7.4	11.1	7.3
		16.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.7	7.4	10.9	7.2
		18.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.6	7.3	10.8	7.2
		20.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.4	7.2	10.6	7.1
		21.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.4	7.2	10.6	7.1
		23.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.2	7.1	10.4	7.0
		25.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.1	7.0	10.3	6.9
		27.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	9.9	7.0	10.1	6.9
		29.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.5	7.1	9.8	6.9	10.0	6.8
		31.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.4	7.0	9.6	6.8	9.8	6.7
		33.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.3	7.0	9.5	6.7	9.7	6.7
		35.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.1	6.9	9.3	6.6	9.5	6.6
		37.0	6.1	5.3	7.2	6.1	8.4	6.9	8.9	6.9	9.0	6.8	9.2	6.6	9.4	6.5
		39.0	6.1	5.3	7.2	6.1	8.4	6.9	8.7	6.8	8.8	6.7	9.0	6.5	9.3	6.5
		42.0	6.1	5.3	7.2	6.1	8.4	6.8	8.5	6.7	8.6	6.6	8.8	6.4	9.0	6.4
		44.0	6.1	5.3	7.2	6.1	8.2	6.8	8.3	6.6	8.5	6.5	8.7	6.3	8.9	6.3
		46.0	6.1	5.3	7.2	6.1	7.7	6.5	7.7	6.3	7.8	6.1	7.8	5.8	7.8	5.7
100	11.2	10.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.4	9.0	14.2	8.9
		12.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.4	9.0	14.0	8.9
		14.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.4	9.0	13.8	8.8
		16.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.3	9.0	13.6	8.7
		18.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.2	8.9	13.4	8.6
		20.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.0	8.8	13.2	8.5
		21.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	12.9	8.8	13.2	8.5
		23.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	12.7	8.7	13.0	8.4
		25.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	12.5	8.6	12.8	8.3
		27.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	12.3	8.5	12.6	8.2
		29.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.6	12.2	8.4	12.4	8.1
		31.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.7	8.5	12.0	8.3	12.2	8.0
		33.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.5	8.5	11.8	8.2	12.1	7.9
		35.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.3	8.4	11.6	8.1	11.9	7.8
		37.0	7.6	6.4	9.0	7.3	10.5	8.3	11.0	8.4	11.2	8.3	11.4	8.0	11.7	7.7
		39.0	7.6	6.4	9.0	7.3	10.5	8.3	10.8	8.3	11.0	8.2	11.2	7.9	11.5	7.6
		42.0	7.6	6.4	9.0	7.3	10.4	8.2	10.6	8.1	10.7	8.1	11.0	7.8	11.2	7.5
		44.0	7.6	6.4	9.0	7.3	10.2	8.1	10.4	8.1	10.5	8.0	10.8	7.7	11.1	7.4
		46.0	7.6	6.4	9.0	7.3	9.6	7.8	9.6	7.7	9.7	7.5	9.7	7.1	9.7	6.6
125	14.0	10.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.7	11.1	17.7	11.1
		12.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.7	11.1	17.5	11.0
		14.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.7	11.1	17.2	10.9
		16.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.7	11.1	17.0	10.8
		18.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.4	11.0	16.8	10.7
		20.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.2	10.9	16.6	10.6
		21.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.1	10.9	16.4	10.5
		23.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	15.9	10.8	16.2	10.4
		25.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	15.6	10.6	16.0	10.3
		27.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	15.4	10.5	15.8	10.2
		29.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.7	15.2	10.4	15.5	10.1
		31.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.6	10.6	15.0	10.3	15.3	10.0
		33.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.4	10.5	14.7	10.2	15.1	9.8
		35.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.2	10.4	14.5	10.1	14.9	9.7
		37.0	9.4	8.0	11.3	9.2	13.1	10.3	13.8	10.4	13.9	10.3	14.3	10.0	14.6	9.6
		39.0	9.4	8.0	11.3	9.2	13.1	10.3	13.5	10.3	13.7	10.2	14.1	9.9	14.4	9.5
		42.0	9.4	8.0	11.3	9.2	13.0	10.3	13.2	10.2	13.4	10.0	13.7	9.8	14.1	9.3
		44.0	9.4	8.0	11.3	9.2	12.8	10.2	13.0	10.1	13.1	9.9	13.5	9.7	13.8	9.2
		46.0	9.4	8.0	11.3	9.2	12.0	9.8	12.1	9.6	12.1	9.4	12.1	9.0	12.2	8.3
140	16.0	10.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	19.1	12.7	20.2	12.6
		12.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	19.1	12.7	20.0	12.5
		14.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	19.1	12.7	19.7	12.4
		16.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	19.1	12.7	19.4	12.3
		18.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	18.8	12.6	19.2	12.2
		20.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	18.5	12.4	18.9	12.1
		21.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	18.4	12.4	18.8	12.1
		23.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	18.1	12.3	18.5	12.0
		25.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	17.9	12.1	18.3	11.9
		27.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	17.6	12.0	18.0	11.8
		29.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	17.4	11.9	17.8	11.7
		31.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	16.7	12.1	17.1	11.8	17.5	11.6
		33.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	16.5	12.0	16.8	11.7	17.2	11.5
		35.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	16.2	11.9	16.6	11.5	17.0	11.3
		37.0	10.8	9.0	12.9	10.4	15.0	11.7	15.7	11.9	15.9	11.7	16.3	11.4	16.7	11.2
		39.0	10.8	9.0	12.9	10.4	15.0	11.7	15.5	11.8	15.7	11.6	16.1	11.3	16.5	11.1
		42.0	10.8	9.0	12.9	10.4	14.9	11.7	15.1	11.6	15.3	11.4	15.7	11.1	16.1	11.0
		44.0	10.8	9.0	12.9	10.4	14.6	11.5	14.8	11.4	15.0	11.3	15.4	11.0	15.8	10.9
		46.0	10.8	9.0	12.9	10.4	13.7	11.1	13.8	10.9	13.8	10.6	13.8	10.2	13.9	10.0

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6 Capacity tables

6 - 2 Heating Capacity Tables

FXMQ20-140PVE

Unit size	Outdoor air temp.		Indoor air temperature: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
20	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
	-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
	-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
	-13.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
	-11.8	-13.0	1.8	1.8	1.8	1.8	1.8	1.8
	-9.8	-11.0	1.9	1.9	1.9	1.9	1.9	1.9
	-9.5	-10.0	1.9	1.9	1.9	1.9	1.9	1.9
	-8.5	-9.1	2.0	2.0	1.9	1.9	1.9	1.9
	-7.0	-7.6	2.0	2.0	2.0	2.0	2.0	2.0
	-5.0	-5.6	2.1	2.1	2.1	2.1	2.1	2.1
	-3.0	-3.7	2.2	2.2	2.2	2.2	2.2	2.2
	0.0	-0.7	2.3	2.3	2.3	2.3	2.3	2.2
	3.0	2.2	2.5	2.5	2.4	2.4	2.3	2.2
	5.0	4.1	2.5	2.5	2.5	2.4	2.3	2.2
	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
	9.0	7.9	2.7	2.7	2.5	2.4	2.3	2.2
	11.0	9.8	2.8	2.7	2.5	2.4	2.3	2.2
	13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.2
	15.0	13.7	2.8	2.7	2.5	2.4	2.3	2.2
25	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
	-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
	-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
	-13.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
	-11.8	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
	-9.8	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
	-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
	-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
	-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
	-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
	-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
	0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
	3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
	5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
	9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
	11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
	13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.8
	15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
	-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
	-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
	-13.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
	-11.8	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
	-9.8	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
	-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
	-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
	-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
	-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
	-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
	0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
	3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
	5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
	9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
	11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
	13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
	15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5
40	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
	-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
	-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
	-13.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
	-11.8	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
	-9.8	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
	-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
	-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
	-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
	-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
	-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
	0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
	3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
	5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
	9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
	11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
	13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
	15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4
50	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
	-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
	-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
	-13.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
	-11.8	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
	-9.8	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
	-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
	-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
	-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
	-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
	-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
	0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
	3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
	5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
	9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
	11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
	13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5
	15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5

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6 Capacity tables

6 - 2 Heating Capacity Tables

FXMQ20-140PVE

Unit size	Outdoor air temp.		Indoor air temperature: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
63	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
	-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
	-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
	-13.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
	-11.8	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
	-9.8	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
	-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
	-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
	-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
	-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
	-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
	0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
	3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
	5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
	9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
	11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
	13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
	15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0
80	-19.8	-20.0	5.9	5.9	5.9	5.9	5.9	5.8
	-18.8	-19.0	6.1	6.1	6.0	6.0	6.0	6.0
	-16.7	-17.0	6.4	6.4	6.4	6.4	6.4	6.4
	-13.7	-15.0	6.8	6.8	6.8	6.7	6.7	6.7
	-11.8	-13.0	7.1	7.1	7.1	7.1	7.1	7.1
	-9.8	-11.0	7.5	7.5	7.5	7.5	7.4	7.4
	-9.5	-10.0	7.7	7.7	7.6	7.6	7.6	7.6
	-8.5	-9.1	7.8	7.8	7.8	7.8	7.8	7.8
	-7.0	-7.6	8.1	8.1	8.1	8.1	8.0	8.0
	-5.0	-5.6	8.4	8.4	8.4	8.4	8.4	8.4
	-3.0	-3.7	8.8	8.8	8.7	8.7	8.7	8.7
	0.0	-0.7	9.3	9.3	9.3	9.3	9.3	8.7
	3.0	2.2	9.8	9.8	9.8	9.7	9.4	8.7
	5.0	4.1	10.2	10.1	10.0	9.7	9.4	8.7
	7.0	6.0	10.5	10.5	10.0	9.7	9.4	8.7
	9.0	7.9	10.8	10.6	10.0	9.7	9.4	8.7
	11.0	9.8	11.2	10.6	10.0	9.7	9.4	8.7
	13.0	11.8	11.3	10.6	10.0	9.7	9.4	8.7
	15.0	13.7	11.3	10.6	10.0	9.7	9.4	8.7
100	-19.8	-20.0	7.4	7.4	7.3	7.3	7.3	7.3
	-18.8	-19.0	7.6	7.6	7.6	7.5	7.5	7.5
	-16.7	-17.0	8.0	8.0	8.0	8.0	8.0	8.0
	-13.7	-15.0	8.5	8.5	8.4	8.4	8.4	8.4
	-11.8	-13.0	8.9	8.9	8.9	8.9	8.9	8.8
	-9.8	-11.0	9.4	9.3	9.3	9.3	9.3	9.3
	-9.5	-10.0	9.6	9.6	9.5	9.5	9.5	9.5
	-8.5	-9.1	9.8	9.8	9.7	9.7	9.7	9.7
	-7.0	-7.6	10.1	10.1	10.1	10.1	10.1	10.0
	-5.0	-5.6	10.6	10.5	10.5	10.5	10.5	10.5
	-3.0	-3.7	11.0	11.0	10.9	10.9	10.9	10.9
	0.0	-0.7	11.6	11.6	11.6	11.6	11.6	10.9
	3.0	2.2	12.3	12.3	12.2	12.1	11.7	10.9
	5.0	4.1	12.7	12.7	12.5	12.1	11.7	10.9
	7.0	6.0	13.1	13.1	12.5	12.1	11.7	10.9
	9.0	7.9	13.5	13.3	12.5	12.1	11.7	10.9
	11.0	9.8	14.0	13.3	12.5	12.1	11.7	10.9
	13.0	11.8	14.1	13.3	12.5	12.1	11.7	10.9
	15.0	13.7	14.1	13.3	12.5	12.1	11.7	10.9
125	-19.8	-20.0	9.4	9.4	9.4	9.4	9.4	9.3
	-18.8	-19.0	9.7	9.7	9.7	9.7	9.6	9.6
	-16.7	-17.0	10.3	10.3	10.2	10.2	10.2	10.2
	-13.7	-15.0	10.9	10.8	10.8	10.8	10.8	10.7
	-11.8	-13.0	11.4	11.4	11.4	11.4	11.3	11.3
	-9.8	-11.0	12.0	12.0	11.9	11.9	11.9	11.9
	-9.5	-10.0	12.3	12.2	12.2	12.2	12.2	12.2
	-8.5	-9.1	12.5	12.5	12.5	12.5	12.4	12.4
	-7.0	-7.6	13.0	12.9	12.9	12.9	12.9	12.8
	-5.0	-5.6	13.5	13.5	13.5	13.4	13.4	13.4
	-3.0	-3.7	14.1	14.0	14.0	14.0	14.0	13.9
	0.0	-0.7	14.9	14.9	14.8	14.8	14.8	13.9
	3.0	2.2	15.7	15.7	15.7	15.5	15.0	13.9
	5.0	4.1	16.3	16.2	16.0	15.5	15.0	13.9
	7.0	6.0	16.8	16.8	16.0	15.5	15.0	13.9
	9.0	7.9	17.3	17.0	16.0	15.5	15.0	13.9
	11.0	9.8	17.9	17.0	16.0	15.5	15.0	13.9
	13.0	11.8	18.1	17.0	16.0	15.5	15.0	13.9
	15.0	13.7	18.1	17.0	16.0	15.5	15.0	13.9
140	-19.8	-20.0	10.6	10.6	10.6	10.6	10.5	10.5
	-18.8	-19.0	10.9	10.9	10.9	10.9	10.9	10.8
	-16.7	-17.0	11.6	11.6	11.5	11.5	11.5	11.5
	-13.7	-15.0	12.2	12.2	12.2	12.1	12.1	12.1
	-11.8	-13.0	12.9	12.8	12.8	12.8	12.8	12.7
	-9.8	-11.0	13.5	13.5	13.4	13.4	13.4	13.4
	-9.5	-10.0	13.8	13.8	13.7	13.7	13.7	13.7
	-8.5	-9.1	14.1	14.1	14.0	14.0	14.0	14.0
	-7.0	-7.6	14.6	14.5	14.5	14.5	14.5	14.4
	-5.0	-5.6	15.2	15.2	15.1	15.1	15.1	15.1
	-3.0	-3.7	15.8	15.8	15.7	15.7	15.7	15.7
	0.0	-0.7	16.8	16.7	16.7	16.7	16.7	15.7
	3.0	2.2	17.7	17.7	17.6	17.4	16.8	15.7
	5.0	4.1	18.3	18.3	18.0	17.4	16.8	15.7
	7.0	6.0	18.9	18.9	18.0	17.4	16.8	15.7
	9.0	7.9	19.5	19.2	18.0	17.4	16.8	15.7
	11.0	9.8	20.1	19.2	18.0	17.4	16.8	15.7
	13.0	11.8	20.3	19.2	18.0	17.4	16.8	15.7
	15.0	13.7	20.3	19.2	18.0	17.4	16.8	15.7

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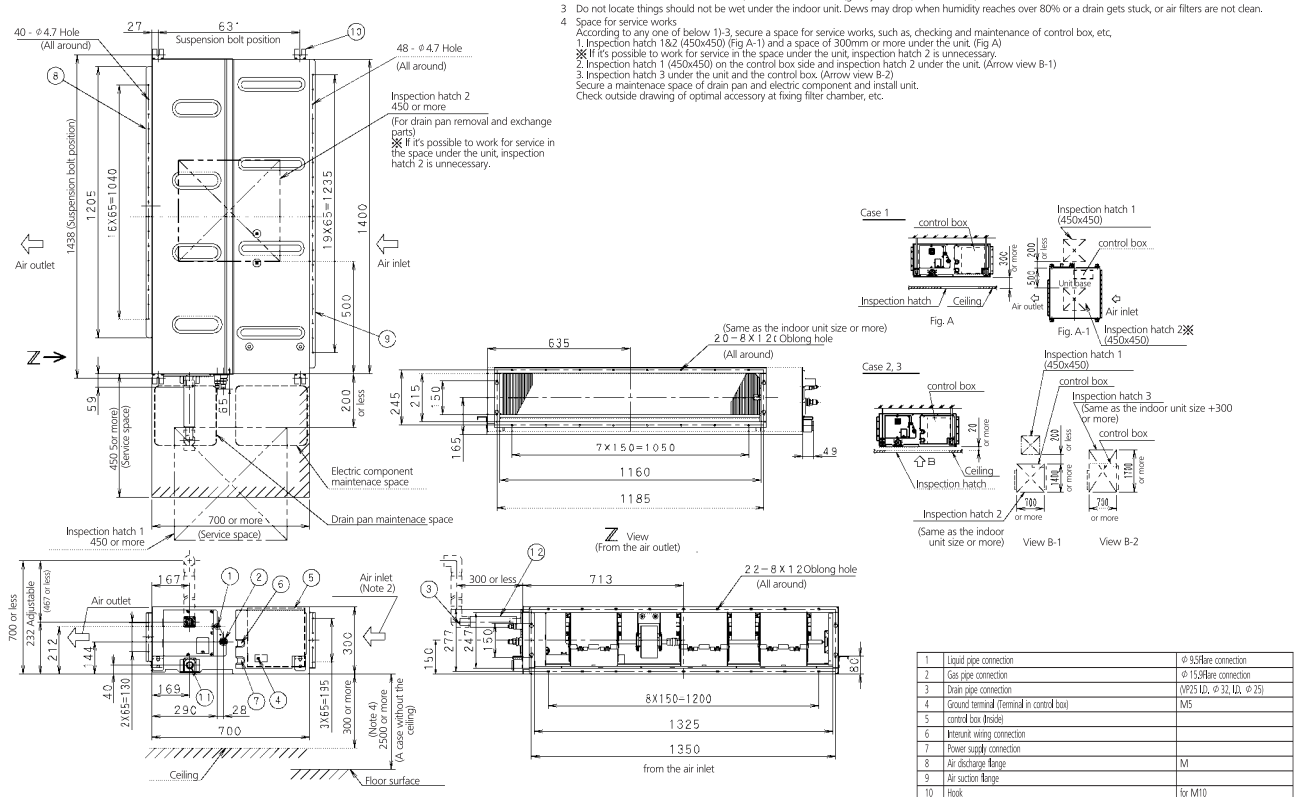
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXMQ140P

Notes:

1 Location of manufacture's label: Control box surface.
2 Mount the air filter at the suction side. (select its colorimethod (gravity method) 50% or more).
3 Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80% or a drain gets stuck, or air filters are not clean.
4 Space for service works
According to any one of below 1)-3, secure a space for service works, such as, checking and maintenance of control box, etc,
1. Inspection hatch 1&2 (450x450) (Fig A-1) and a space of 300mm or more under the unit. (Fig A)
※ If it's possible to work for service in the space under the unit, inspection hatch 2 is unnecessary.
2. Inspection hatch 1 (450x450) on the control box side and inspection hatch 2 under the unit. (Arrow view B-1)
3. Inspection hatch 3 under the unit and the control box. (Arrow view B-2)
Secure a maintenace space of drain pan and electric component and install unit.
Check outside drawing of optimal accessory at fixing filter chamber, etc.



1	Liquid pipe connection	φ 9.5Flare connection
2	Gas pipe connection	φ 15.9Flare connection
3	Drain pipe connection	(VP25 I.D., φ 32, I.D., φ 25)
4	Ground terminal (Terminal in control box)	M5
5	control box (Inside)	
6	Interunit wiring connection	
7	Power supply connection	
8	Air discharge flange	M
9	Air suction flange	
10	Hook	for M10
11	Socket (For maintenance)	(VP25 I.D., φ 32, I.D., φ 25)
12	Drain hose (accessory)	O.D. φ 32 (Outlet)

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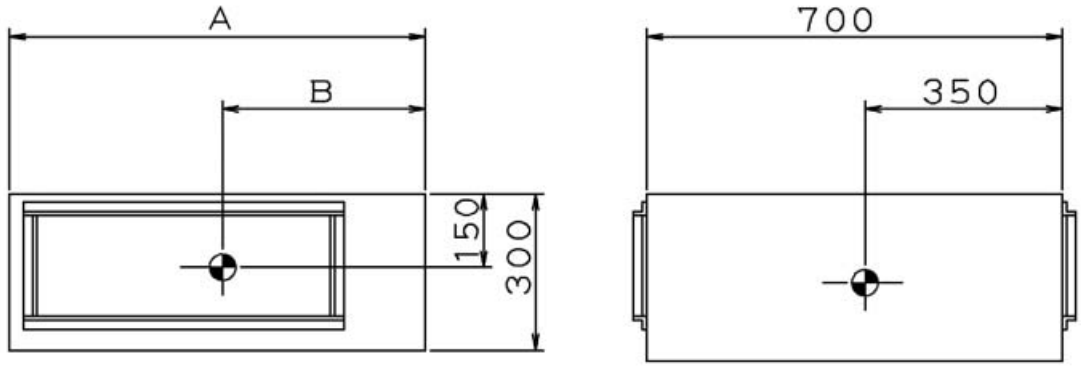
8 Centre of gravity

8 - 1 Centre of Gravity

FXMQ140P



Model name	A	B
FXMQ140P	1400	600

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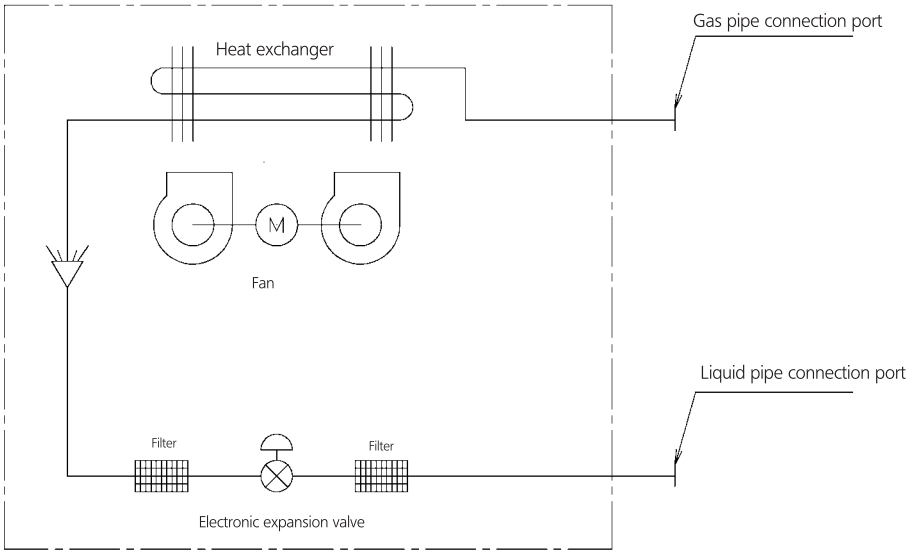
9 Piping diagrams

9 - 1 Piping Diagrams

FXMQ140P



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10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXMQ140P

Indoor unit

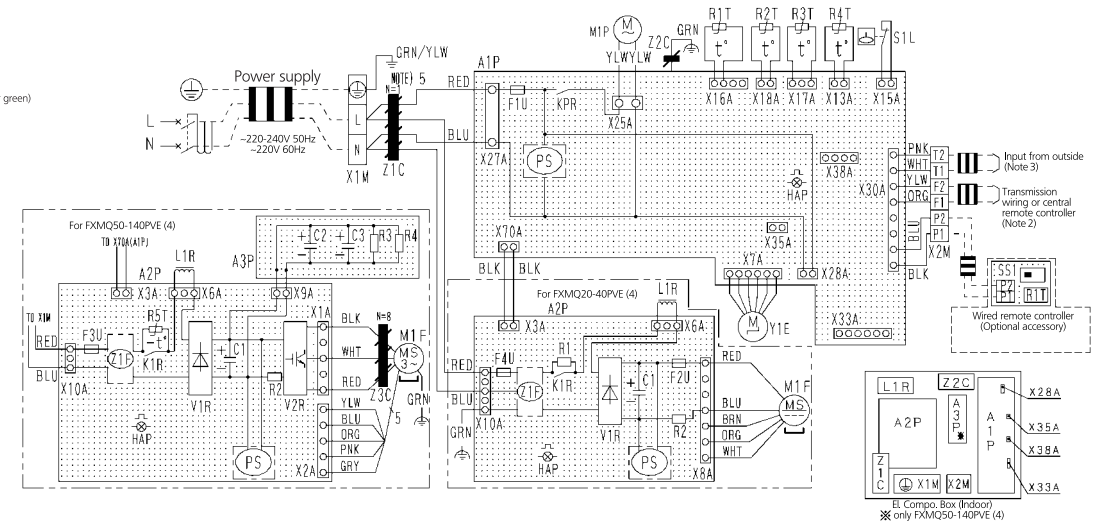
A1P	: Printed circuit board
A2P	: Printed circuit board (Fan)
A3P	: Printed circuit board (Capacitor)
C1, C2, C3	: Capacitor
F1U	: Fuse (T, 3.15A, 250V)
F2U	: Fuse (T, 5A, 250V)
F3U	: Fuse (T, 6.3A, 250V)
F4U	: Fuse (T, 6.3A, 250V)
HAP	: Light emitting diode (service monitor green) (A1P, A2P)
KPR	: Magnetic relay
K1R	: Magnetic relay
L1R	: Reactor
M1F	: Motor (Fan)
M1P	: Motor (Drain pump)
PS	: Switching power supply (A1P, A2P)
R1	: Resistor (current limiting)
R2	: Current sensing device
R3, R4	: Resistor (Electric discharge)
R1T	: Thermistor (Suction air)
R2T	: Thermistor (Liquid)
R3T	: Thermistor (gas)
R4T	: Thermistor (Discharge air)
R5T	: Thermistor NTC (current limiting)
S1L	: Float switch
V1R	: Diode bridge
V2R	: Power module
X1M	: Terminal strip (Power supply)
X2M	: Terminal strip (Control)
Y1E	: Electronic expansion valve
Z1C, Z2C, Z3C	: Noise filter (Ferrite core)
Z1F	: Noise filter

Connector for optional parts

X28A	: Connector (Power supply for wiring)
X33A	: Connector (for wiring)
X35A	: Connector (Adapter)
X38A	: Connector (Adapter for multi tenant)

Wired remote controller

R1T	: Thermistor (air)
SS1	: Selector switch (main/sub)



Notes

1. : Terminal strip , : Connector, : Field wiring, : Protective earth (Screw), : Noiseless earth
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. In details, refer to the installation manual attached to the unit.
4. Colors: BLK:Black RED:Red BLU:Blue WHT:White PNK:Pink YLW:Yellow BRN:Brown GRY:Gray GRN:Green ORG:Orange
5. For FXMQ50-140PVE (4), N=2

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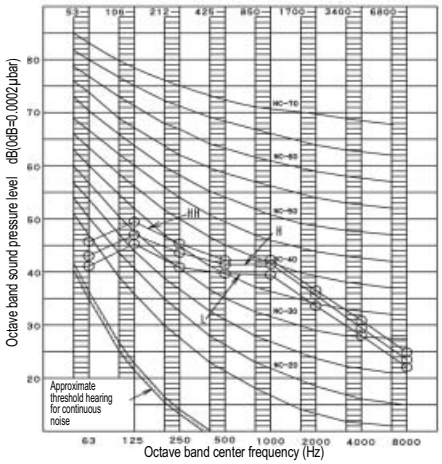
11 Sound data

11 - 1 Sound Pressure Spectrum

FXMQ140P



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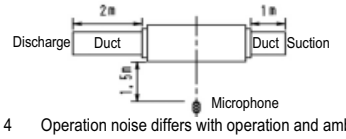
NOTES

1 Operating conditons:
Power source: 220~240V 50Hz / 220V 60Hz
Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWD
Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB
External static pressure: 100Pa

2 Measuring place
Anechoic chamber

3 Location of microphone



4 Operation noise differs with operation and ambient conditions

5 Over all (dB)

Scale	Air flow rate		
	HH	H	L
A	46.0	45.0	43.0
C	53.0	51.0	49.0

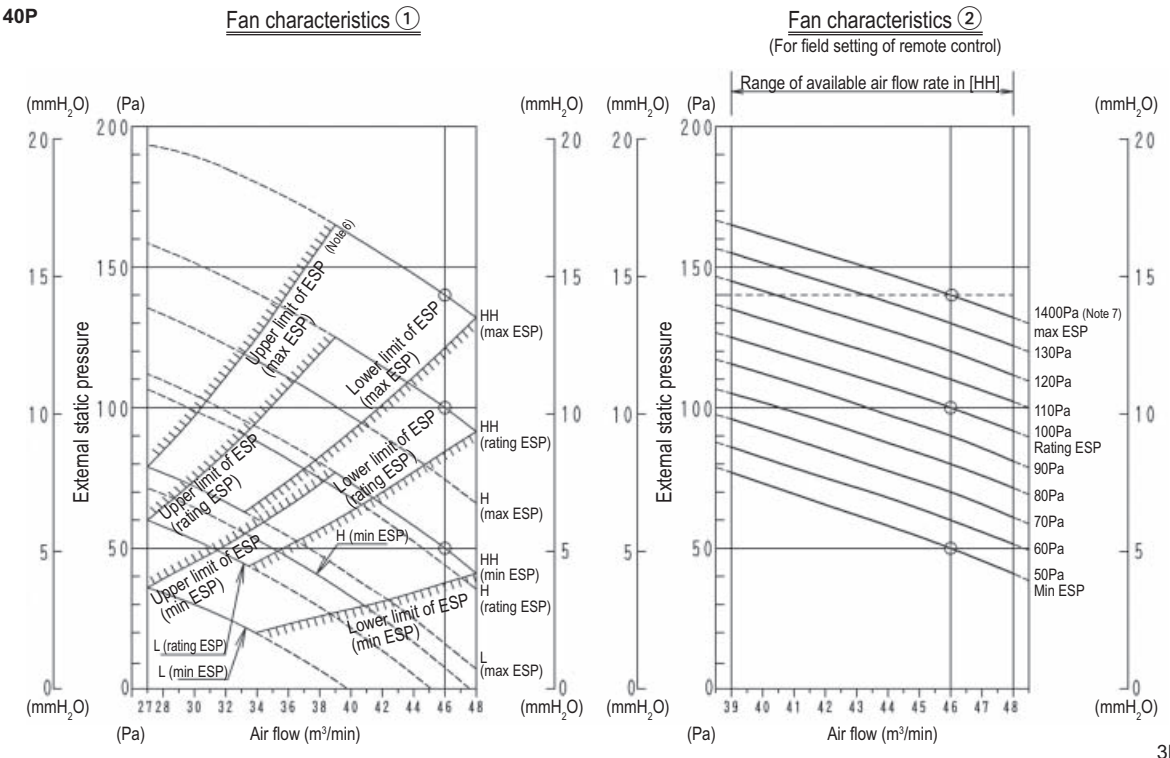
(B, G, N is already rectified)

9
11

12 Fan characteristics

12 - 1 Fan Characteristics

FXMQ140P



NOTES

1. As for this machine, setting is possible by 7 positions of ESP.
2. Fan characteristic ① shows a fan characteristic at the time of the “maximum ESP” “rating ESP” “minimum ESP” as a representative.
3. Fan characteristics ② (for field setting of remote control) shows a fan characteristic of each ESP of field setting possible air flow “HH”.
4. Please choose ESP setting buy using Fan characteristics ① and Fan caracteristics ② by the resistance of a connected duct.
5. The remote ctonrol can be used to change “HH” “H” and “L”.
6. ESP: external static pressure
7. The value in this figure shows ESP in rating air flow.

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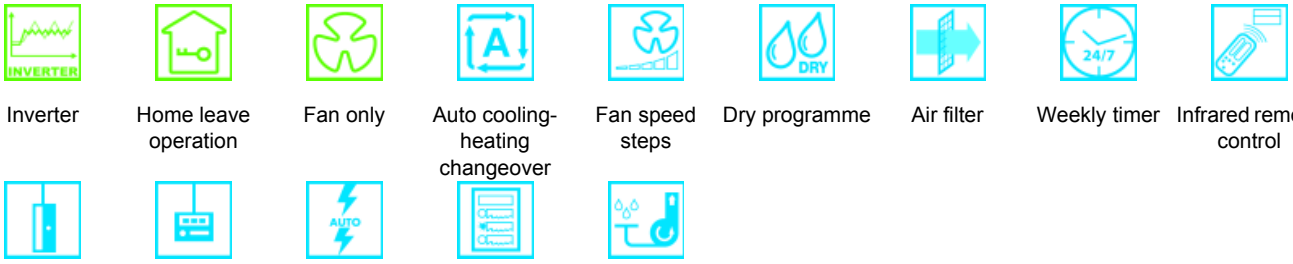
1 Features

ESP up to 270, ideal for extra large sized spaces

- High external static pressure up to 270Pa facilitates extensive duct and grille network
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Large capacity unit: up to 31.5 kW heating capacity



Inverter | Home leave operation | Fan only | Auto cooling-heating changeover | Fan speed steps | Dry programme | Air filter | Weekly timer | Infrared remote control

Wired remote control | Centralised control | Auto-restart | Self diagnosis | Drain pump kit

2 Specifications

2-1 Technical Specifications					FXMQ200MA	FXMQ250MA
Cooling capacity	Nom.			kW	22.4 (1)	28.0 (1)
Heating capacity	Nom.			kW	25.0 (2)	31.5 (2)
Power input - 50Hz	Cooling	Nom.		kW	1.294	1.465
	Heating	Nom.		kW	1.294	1.465
Power input - 60Hz	Cooling	Nom.		kW	1.490	1.684
	Heating	Nom.		kW	1.490	1.684
Dimensions	Unit	Height		mm	470	
		Width		mm	1,380	
		Depth		mm	1,100	
Weight	Unit			kg	137	
Casing	Material				Galvanised steel plate	
Heat exchanger	Rows	Quantity			3	
	Fin pitch			mm	2.0	
	Face area			m²	0.68	
	Stages	Quantity			26	
Fan	Type				Sirocco fan	
	Quantity				2	
	Air flow rate - 50Hz	Cooling	High	m³/min	58	72
			Low	m³/min	50	62
	Air flow rate - 60Hz	Cooling	High	m³/min	58	72
			Low	m³/min	50	62
	External static pressure - 50Hz	High		Pa	221 (3)	270 (3)
		Nom.		Pa	132	191
	External static pressure - 60Hz	High		Pa	270	
		Nom.		Pa	132	147
Fan motor	Quantity				2	
	Model				D13/4G2DA1	
	Output	High		W	380	
	Drive				Direct drive	
Sound pressure level	Cooling	High		dBA	48	
		Low		dBA	45	
Refrigerant	Type				R-410A	
	Control				Electronic expansion valve	
Piping connections	Liquid	Type			Flare connection	
		OD		mm	9.52	
	Gas	Type			Braze connection	
		OD		mm	19.1	22.2
	Drain				PS1B	
	Heat insulation				Glass fiber	
	Sound absorbing insulation				Glass fiber	
Temperature control					Microprocessor thermostat for cooling and heating	
Safety devices	Item	01			Fuse	
		02			Fan motor thermal protection	
Control systems	Infrared remote control				BRC4C65	
	Wired remote control				BRC1E52A/B / BRC1D52	
	Simplified wired remote control for hotel applications				BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)	

Standard Accessories : Installation and operation manual;

Standard Accessories : Connection pipes;

Standard Accessories : Sealing pads;

Standard Accessories : Clamps;

Standard Accessories : Screws;

2 Specifications

2-2 Electrical Specifications				FXMQ200MA	FXMQ250MA
Power supply	Name			VE	
	Phase			1~	
	Frequency		Hz	50/60	
	Voltage		V	220-240/220	
Voltage range	Min.		%	-10	
	Max.		%	10	
Current - 50Hz	Minimum circuit amps (MCA)		A	8.1	9.0
	Maximum fuse amps (MFA)		A	15	
	Full load amps (FLA)	Total	A	6.5	7.2
Current - 60Hz	Minimum circuit amps (MCA)		A	9.0	10.1
	Maximum fuse amps (MFA)		A	15	
	Full load amps (FLA)	Total	A	7.2	8.1

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m (horizontal)

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m (horizontal)

(3) Instead of a fuse, use a circuit breaker

Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

The external static pressure is changeable: change the connectors inside the electrical box, this pressure means: High static pressure - Standard

The air filter is not a standard accessory, but please mount it in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

Sound pressure levels are measured at 220V.

Reference acoustic pressure 0 dB = 20 Pa.

Sound values are measured in an anechoic room.

Operation sound differs with operation and ambient conditions

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 15A

Select wire size based on the value of MCA

3 Electrical data

3 - 1 Electrical Data

FXMQ-MA

Units					Power supply		IFM		Input (W)	
Model	Type	Hz	Volts	Voltage range	MCA	MFA	kW	FLA	Cooling	Heating
FXMQ200MA	VE	50	220-240V	Max. 264V Min. 198V	8.1	15	0.380 x 2	6.5	1294	1294
FXMQ250MA					9.0	15	0.380 x 2	7.2	1465	1465
FXMQ200MA	VE	60	220	Max. 242V Min. 198V	9.0	15	0.380 x 2	7.2	1490	1490
FXMQ250MA					10.1	15	0.380 x 2	8.1	1684	1684

SYMBOLS

MCA : Min. Circuit Amps. (A)
MFA : Max. Fuse Amps. (See note 5)
kW : Fan Motor Rated Output (kW)
FLA : Full Load Amps. (A)
IFM : Indoor Fan Motor.

NOTES

1 Voltage range
Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above the listed range limits.
2 Maximum allowable voltage unbalance between phases is 2%.
3 MCA/MFA
MCA=1.25xFLA
MFA≤4xFLA
(next lower standard fuse rating, min.15A)
4 Select wire size based on the MCA.
5 Instead of fuse, use circuit breaker.

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4 Safety device settings

4 - 1 Safety Device Settings

FXMQ-MA

Safety devices		200	250
PC board fuse		250V 10A	250V 10A
Fan motor thermal fuse	°C	-	-
Fan motor thermal protector	°C	OFF: 135 $^{\pm 8}$ (ON: 87 $^{\pm 15}$)	OFF: 135 $^{\pm 8}$ (ON: 87 $^{\pm 15}$)

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5 Options

5 - 1 Options

FXMQ-MA

Item \ Type			FXMQ-MA
Remote controller	Infrared	H/P	BRC4C62
		C/O	BRC4C64
	Wired		BRC1D61●BRCE61
Simplified remote controller			BRC2C51
Remote control for hotel use			BRC3A61
Adapter for wiring			KRP1B61
Wiring adapter for electrical appendices (1)			KRP2A61
Wiring adapter for electrical appendices (2)			KRP4AA51
Remote sensor			KRCS01-1B
Central remote control			DCS302CA61
Electric box with earth terminal - 3 blocks			KJB311AA
Unified ON/OFF control			DCS301BA61
Electric box with earth terminal - 2 blocks			KJB212AA
Noise filter (for electromagnetic interface use only)			KEK26-1A
Schedule timer			DST301BA61
Intelligent touch controller			DCS601C51
Intelligent touch manager			DCM601A51
External control adapter for outdoor unit (must be installed on indoor unit)			DTA104A61

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Note:
Up to 2 installation boxes can be installed for each indoor unit.

FXMQ-MA

Item \ Model			Duct Type	
			FXMQ200MA	FXMQ250MA
Drain pump kit		Type	KDU30L250VE	
		Z No.	Z980500	
High efficiency filter	65%	Type	KAFJ372L280	
		AS No.	AS3600873	
	90%	Type	KAFJ373L280	
		AS No.	AS36000873	
Filter chamber		Type	KDJ3705L280	
		AS No.	AS3600874	
Long life replacement filter		Type	KAFJ371L280	
		AS No.	AS3600872	

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NOTE

1. See the latest for the modification marks.

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXMQ-MA

TC: Total capacity;kW – SHC: Sensible capacity;kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
200	22.4	10.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	29.4	17.8
		12.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	29.0	17.6
		14.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	28.7	17.4
		16.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	28.3	17.2
		18.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	27.9	16.9
		20.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	27.5	16.7
		21.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	27.4	16.6
		23.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.4	17.3	27.0	16.4
		25.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.1	17.1	26.6	16.2
		27.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	25.7	16.8	26.2	16.1
		29.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	25.3	16.6	25.8	15.9
		31.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	24.9	16.4	25.4	15.7
		33.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	24.5	16.3	25.0	15.6
		35.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.6	17.0	24.2	16.1	24.6	15.4
		37.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.2	16.8	23.8	16.0	24.3	15.3
		39.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	22.8	16.6	23.4	15.8	23.9	15.1
250	28.0	10.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	36.8	22.1
		12.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	36.3	21.8
		14.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	35.9	21.6
		16.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	35.4	21.3
		18.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	34.9	21.0
		20.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	34.4	20.7
		21.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	34.2	20.6
		23.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.0	21.7	33.7	20.3
		25.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	32.6	21.5	33.2	20.2
		27.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	32.1	21.2	32.8	20.0
		29.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	31.6	20.9	32.3	19.9
		31.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	31.1	20.6	31.8	19.7
		33.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	30.6	20.4	31.3	19.5
		35.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.5	21.1	30.2	20.2	30.8	19.4
		37.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.0	20.9	29.7	20.0	30.4	19.2
		39.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	21.0	28.5	20.6	29.2	19.8	29.9	19.0

6 Capacity tables

6 - 2 Heating Capacity Tables

FXMQ-MA

Unit Size	Nominal capacity	Outdoor air temperature		Indoor air temperature °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	kW	kW	kW	kW	kW	kW
200	25.0	-19.8	-20.0	14.8	14.7	14.7	14.7	14.6	14.6
		-18.8	-19.0	15.2	15.2	15.1	15.1	15.1	15.0
		-16.7	-17.0	16.1	16.0	16.0	16.0	16.0	15.9
		-14.7	-15.0	17.0	16.9	16.9	16.9	16.8	16.8
		-12.6	-13.0	17.9	17.8	17.8	17.7	17.7	17.7
		-10.5	-11.0	18.7	18.7	18.6	18.6	18.6	18.6
		-9.5	-10.0	19.2	19.1	19.1	19.1	19.0	19.0
		-8.5	-9.1	19.6	19.5	19.5	19.5	19.4	19.4
		-7.0	-7.6	20.2	20.2	20.2	20.1	20.1	20.1
		-5.0	-5.6	21.1	21.1	21.0	21.0	21.0	20.9
		-3.0	-3.7	22.0	21.9	21.9	21.9	21.8	21.8
		0.0	-0.7	23.3	23.2	23.2	23.2	23.2	21.8
		3.0	2.2	24.6	24.5	24.5	24.2	23.4	21.8
		5.0	4.1	25.4	25.4	25.0	24.2	23.4	21.8
		7.0	6.0	26.2	26.2	25.0	24.2	23.4	21.8
		9.0	7.9	27.1	26.6	25.0	24.2	23.4	21.8
		11.0	9.8	27.9	26.6	25.0	24.2	23.4	21.8
		13.0	11.8	28.2	26.6	25.0	24.2	23.4	21.8
		15.0	13.7	28.2	26.6	25.0	24.2	23.4	21.8
250	31.5	-19.8	-20.0	18.6	18.5	18.5	18.5	18.4	18.4
		-18.8	-19.0	19.2	19.1	19.0	19.0	19.0	18.9
		-16.7	-17.0	20.3	20.2	20.2	20.1	20.1	20.0
		-14.7	-15.0	21.4	21.3	21.3	21.2	21.2	21.2
		-12.6	-13.0	22.5	22.4	22.4	22.4	22.3	22.3
		-10.5	-11.0	23.6	23.6	23.5	23.5	23.4	23.4
		-9.5	-10.0	24.2	24.1	24.1	24.0	24.0	23.9
		-8.5	-9.1	24.7	24.6	24.6	24.5	24.5	24.4
		-7.0	-7.6	25.5	25.4	25.4	25.4	25.3	25.3
		-5.0	-5.6	26.6	26.6	26.5	26.5	26.4	26.4
		-3.0	-3.7	27.7	27.6	27.6	27.5	27.5	27.5
		0.0	-0.7	29.3	29.3	29.2	29.2	29.2	27.5
		3.0	2.2	31.0	30.9	30.8	30.5	29.5	27.5
		5.0	4.1	32.0	32.0	31.5	30.5	29.5	27.5
		7.0	6.0	33.1	33.0	31.5	30.5	29.5	27.5
		9.0	7.9	34.1	33.5	31.5	30.5	29.5	27.5
		11.0	9.8	35.2	33.5	31.5	30.5	29.5	27.5
		13.0	11.8	35.5	33.5	31.5	30.5	29.5	27.5
		15.0	13.7	35.5	33.5	31.5	30.5	29.5	27.5

6 Capacity tables

6 - 3 Capacity Correction Factor

FXMQ-MA

		Capacity correction factor Te = 9°C						
	Indoor air temperature	14.0 °CWB	16.0 °CWB	18.0 °CWB	19.0 °CWB	20.0 °CWB	22.0 °CWB	24.0 °CWB
		20.0 °CDB	23.0 °CDB	26.0 °CDB	27.0 °CDB	28.0 °CDB	30.0 °CDB	32.0 °CDB
FXMQ200MA	TC	0.679	0.701	0.762	0.788	0.810	0.836	0.859
	SHF	1.136	1.164	1.109	1.085	1.070	1.060	1.051
FXMQ250MA	TC	0.687	0.717	0.781	0.800	0.815	0.841	0.864
	SHF	1.129	1.151	1.099	1.081	1.069	1.053	1.056

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

How to use this table:
Capacity: Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.
SHF: SHF for High sensible mode = SHF for normal capacity table X SHF ratio.
In case of SHF is bigger than 1, SHF is "1"
When selecting units for mixed (RA DX indoor units + VRV DX indoor unit),
- Correction C_i corresponds with Te = 9°C TC ratio value for each type of Indoor unit, depending on indoor ambient design temperature X/Y °CDB/°CWB
- Correction C_t corresponds with Te = 9°C TC ratio value for each type of indoor unit, depending on indoor ambient temperature 29/19 °CDB/°CWB

So verwenden Sie diese Tabelle:
Leistung:Gesamtleistung (GL) für hochfühlbaren Leistungsmodus = Gesamtleistung für normale Leistungstabelle x GL-Verhältnis.
SHF: SHF für hochfühlbaren Leistungsmodus = SHF für normale Leistungstabelle x SHF-Verhältnis.
Für den Fall, dass SHF größer als 1 ist, wird SHF als "1" angenommen.
Bei Auswahl gemischter Geräte (RA DX-Innengerät + VRV DX-Innengerät),
- Korrektur C_i entspricht dem GL-Verhältniswert für Te = 9 °C für jeden Innengerätetyp, in Abhängigkeit von der Innen-Entwurfstemperatur X/Y °C TK/°C FK
- Korrektur C_t entspricht dem GL-Verhältniswert für Te = 9 °C für jeden Innengerätetyp, in Abhängigkeit von der Innentemperatur 29/19 °C TK/°C FK

Πως θα χρησιμοποιήσετε αυτό τον πίνακα:
Απόδοση: Συνολική απόδοση για λειτουργία υψηλής ευαισθησίας = Συνολική απόδοση για λόγο X TC πίνακα κανονικής απόδοσης.
SHF: SHF για λειτουργία υψηλής ευαισθησίας = SHF για λόγο X SHF πίνακα κανονικής απόδοσης.
Στην περίπτωση που το SHF είναι μεγαλύτερο από 1, το SHF είναι "1"
Κατά την επιλογή μονάδων για συνδυασμό (εσωτερικές μονάδες RA DX + εσωτερική μονάδα VRV DX),
- Το C_i διόρθωσης αντιστοιχεί σε Te = 9°C TC τιμή λόγου για κάθε τύπο εσωτερικής μονάδας, ανάλογα με την εσωτερική θερμοκρασία σχεδίου περιβάλλοντος X/Y °CDB/°CWB
- Το C_t διόρθωσης αντιστοιχεί σε Te = 9°C TC τιμή λόγου για κάθε τύπο εσωτερικής μονάδας, ανάλογα με την εσωτερική θερμοκρασία περιβάλλοντος 29/19 °CDB/°CWB

Cómo utilizar esta tabla:
Capacidad: capacidad total para el modo sensible alto = capacidad total para relación TC de tabla X de capacidad normal.
SHF: SHF para modo sensible alto = SHF para relación SHF de tabla X de capacidad normal.
En caso de que SHF sea superior a 1, SHF es "1"
Si se seleccionan unidades combinadas (Unidades interiores DX RA + unidades interiores DX VRV),
- La corrección C_i corresponde a Te = 9°C valor de relación TC para cada tipo de unidad interior, en función de la temperatura de diseño ambiente interior X/Y °CBS/°CBH
- La corrección C_t corresponde a Te = 9°C valor de relación TC para cada tipo de unidad interior, en función de la temperatura ambiente interior 29/19 °CBS/°CBH

Comment utiliser ce tableau :
Puissance :Puissance totale pour le mode haute sensibilité = Puissance totale indiquée dans le tableau de puissance normale X rapport PT.
FCS : FCS pour le mode haute sensibilité =
FCS indiqué dans le tableau de puissance normale X rapport FCS.
Si le FCS est supérieur à 1, le FCS correspond à « 1 »
Lors de la sélection d'unités pour une installation mixte (unités intérieures DX RA + unité intérieure DX VRV),
- La correction C_i correspond à Te = 9 °C / valeur de rapport PT pour chaque type d'unité intérieure, pour une température ambiante intérieure de calcul de X/Y °CBS/°CBH
- La correction C_t correspond à Te = 9 °C / valeur de rapport PT pour chaque type d'unité intérieure, pour une température ambiante intérieure de 29/19 °CBS/°CBH

Come utilizzare questa tabella
Capacità: Capacità totale per modalità ad alta capacità sensibile = Capacità totale per tabella capacità normali X rapporto TC.
SHF: SHF per modalità ad alta capacità sensibile = SHF per tabella capacità normali X rapporto SHF.
Qualora il valore SHF sia maggiore di 1, SHF è "1"
Quando si selezionano unità combinate (unità interna ad espansione diretta RA+ unità interna ad espansione diretta VRV),
- La correzione C_i corrisponde a Te = 9°C valore rapporto TC per ogni tipo di unità interna, in base alla temperatura interna di progetto X/Y °CBS/°CBU
- La Correzione C_t corrisponde a Te = 9°C valore rapporto TC per ogni tipo di unità interna, in base alla temperatura interna di progetto 29/19 °CBS/°CBU

Hoe deze tabel gebruiken:
Vermogen: totaal vermogen voor High Sensible-modus = totaal vermogen voor tabel normaal vermogen x ratio TV.
SHF: SHF voor High Sensible-modus = SHF voor tabel normaal vermogen x ratio SHF.
Indien SHF groter is dan 1, is SHF "1"
Bij het selecteren van units voor gemengd gebruik (RA DX-binnenunits + VRV DX-binnenunits),
- Correctie C_i komt overeen met ratiowaarde Te = 9°C TC voor elk type binnenunit, afhankelijk van de ontwerptemperatuur van de binnenunit X/Y °CDB/°CNB
- Correctie C_t komt overeen met ratiowaarde Te = 9°C TC voor elk type binnenunit, afhankelijk van de omgevingstemperatuur van de binnenunit 29/19 °CDB/°CNB

Как пользоваться этой таблицей:
Производительность: Суммарная мощность для режима высокой производительности по сухому теплу = Суммарная мощность по таблице обычной мощности X коэффициент TC.
SHF: SHF для режима высокой производительности по сухому теплу =
SHF по таблице обычной мощности X коэффициент SHF.
Если SHF больше 1, принять SHF равным 1
При выборе блоков для смешанных установок (внутренние блоки RA DX + внутренние блоки VRV DX):
- Корректировка C_i соответствует значению коэффициента TC Te = 9°C для каждого типа внутренних блоков, в зависимости от расчетной температуры в помещении X/Y °C сух.т./°C вл.т.
- Корректировка C_t соответствует значению коэффициента TC Te = 9°C для каждого типа внутренних блоков, в зависимости от температуры в помещении 29/19 °C сух.т./°C вл.т.

Bu tablo nasıl kullanılır:
Kapasite: Yüksek hassasiyet modu toplam kapasitesi = Normal kapasite tablosu için toplam kapasite X TC oranı.
SHF: Yüksek hassasiyet modu için SHF = Normal kapasite tablosu için SHF X SHF oranı.
SHF, 1'den büyük ise SHF "1"dir
Karışık kombinasyonlar (RA DX iç üniteler + VRV DX iç üniteler) için ünite seçimi yapılırken,
- C_i düzeltme faktörü, X/Y °C KT/°C YT iç ortam tasarım basıncına bağlı olarak her bir iç ünite tipi için Te = 9°C TC oranına karşılık gelir
- C_t düzeltme faktörü, 29/19 °C KT/°C YT iç ortam tasarım basıncına bağlı olarak her bir iç ünite tipi için Te = 9°C TC oranına karşılık gelir

6 Capacity tables

6 - 3 Capacity Correction Factor

FXMQ-MA

		Capacity correction factor Te = 11°C						
	Indoor air temperature	14.0 °CWB	16.0 °CWB	18.0 °CWB	19.0 °CWB	20.0 °CWB	22.0 °CWB	24.0 °CWB
		20.0 °CDB	23.0 °CDB	26.0 °CDB	27.0 °CDB	28.0 °CDB	30.0 °CDB	32.0 °CDB
FXMQ200MA	TC	0.544	0.563	0.593	0.634	0.668	0.722	0.759
	SHF	1.136	1.226	1.253	1.195	1.155	1.114	1.097
FXMQ250MA	TC	0.548	0.578	0.617	0.657	0.685	0.728	0.765
	SHF	1.129	1.209	1.230	1.178	1.146	1.108	1.095

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

How to use this table - *So verwenden Sie diese Tabelle* - Πώς θα χρησιμοποιήσετε αυτό τον πίνακα - *Cómo utilizar esta tabla* - Utilisation de ce tableau - *Come utilizzare questa tabella* - Gebruik van deze tabel - Как пользоваться этой таблицей - *Bu tablo nasıl kullanılmalı?:*

1. Capacity : Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.
   Leistung: Gesamtleistung für hochfühlbaren Leistungsmodus = Gesamtleistung für normale Leistungstabelle x GL-Verhältnis.
   Απόδοση: Συνολική απόδοση για τη λειτουργία υψηλής ευαισθησίας = Συνολική απόδοση για τον πίνακα κανονικών αποδόσεων X αναλογία TC
   Capacidad: Capacidad total para el modo de alta sensibilidad = Capacidad total para la tabla de capacidad normal X relación TC.
   Capacité sensible (FCS (Facteur de chaleur sensible) – en anglais : SHF) : FCS pour le mode sensibilité élevée (« High ») = FCS du tableau des capacités normales x rapport FCS.
   Capacità: Capacità totale per modalità ad alta capacità sensibile = Capacità totale per tabella capacità normali X rapporto TC.
   Capaciteit: totale capaciteit in modus grote ("High") gevoeligheid = totale capaciteit uit de tabel met normale capaciteiten x TC-ratio.
   Производительность: Общая производительность для режима с высоким коэфф. ощутимого охлаждения = Общая производительность для нормального режима, таблица X коэфф. TC.
   Kapasite: Yüksek algı modu için toplam kapasite = Normal kapasite tablosundaki toplam kapasite değeri x TC oranı.

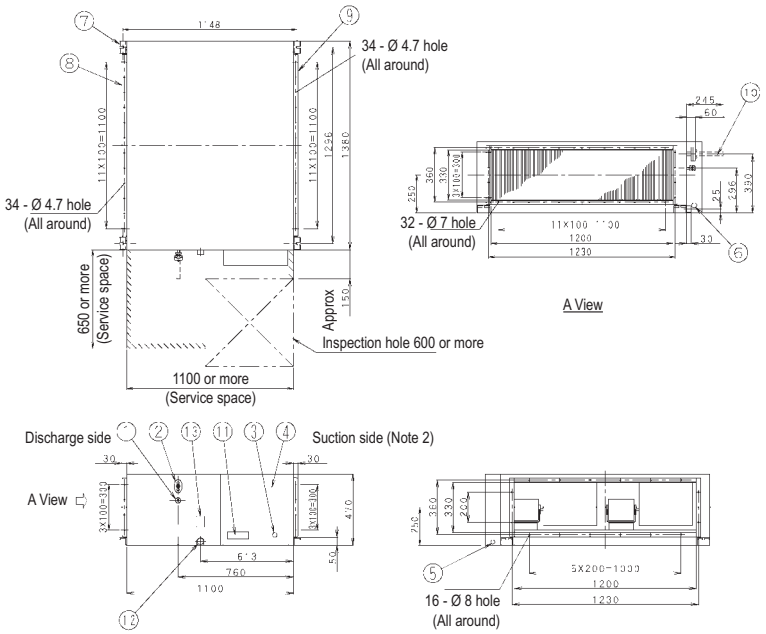
2. Sensible capacity (SHF): SHF for High sensible mode = SHF for normal capacity table X SHF ratio .
   Fühlbare Leistung (SHF): SHF für hochfühlbaren Leistungsmodus = SHF für normale Leistungstabelle x SHF-Verhältnis.
   Αισθητή απόδοση (SHF): SHF για λειτουργία υψηλής ευαισθησίας = SHF για πίνακα κανονικών αποδόσεων X αναλογία SHF .
   Capacidad sensible (FCS): SHF para el modo de alta sensibilidad = SHF para la tabla de capacidad normal X relación SHF.
   Capacité sensible (FCS (Facteur de chaleur sensible) – en anglais : SHF) : FCS pour le mode sensibilité élevée (« High ») = FCS du tableau des capacités normales x rapport FCS.
   Capacità sensibile (SHF): SHF per modalità ad alta capacità sensibile = SHF per tabella capacità normali X rapporto SHF.
   Gevoeligheidscapaciteit (WGF (warmtegevoelsfactor)– in het Engels "SHF"): WGF voor de modus grote ("High") gevoeligheid = WGF uit de tabel met normale capaciteiten x WGF-ratio.
   Ощутимая производительность (SHF): SHF для режима с высоким коэфф. ощутимого охлаждения = SHF для нормального режима, таблица X коэфф. SHF.
   Algılanabilir kapasite (SHF): Yüksek algı modu için SHF = Normal kapasite tablosundaki SHF değeri x SHF oranı.

3. In case of SHF is bigger than 1 , SHF is "1"
   Für den Fall, dass SHF größer als 1 ist, wird SHF als "1" angenommen.
   Σε περίπτωση που το SHF είναι μεγαλύτερο από 1, το SHF είναι "1"
   En caso de que SHF sea superior a 1 , SHF equivale a "1"
   Si FCS est supérieur à 1, utilisez « 1 » pour FCS.
   Qualora il valore SHF sia maggiore di 1 , SHF è "1"
   Indien WGF groter is dan 1, neem dan "1" voor WGF.
   Если SHF больше 1, то SHF равен "1"
   SHF değeri 1'den büyükse, SHF değeri "1" kabul edilmelidir

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXMQ-MA



Piping size (field supply)

Indoor unit	Gas side	Liquid side
FXMQ200MA	Ø 19.1 attached piping	Ø 9.5
FXMQ250MA	Ø 22.2 attached piping	Ø 9.5

No.	Name	Description
1	Liquid pipe connection	Flare connection
2	Gas pipe connection	Attendant piping connection
3	Ground terminal	M5 (Inside switch box)
4	Switch box	
5	Power supply wiring connection	
6	Transmission wiring connection	
7	Hook	M10
8	Discharge companion flange	
9	Suction flange	
10	Attached piping	Brazing
11	Name plate	
12	Drain piping connection	PS1B Internal thread Major dia. Ø 33.349 Minor dia. Ø 30.391
13	Water supply port	

NOTES

1. Location of unit's Name Plates: Switch box surface.
2. Mount the air filter at the suction side. Select its colorimethod (gravity method) 50% or more.

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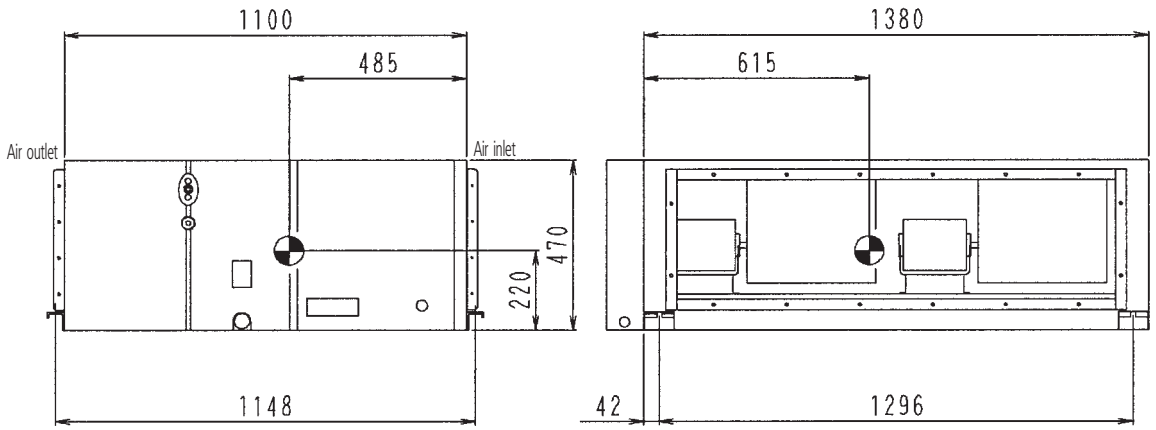
10
7

8 Centre of gravity

8 - 1 Centre of Gravity

FXMQ200,250MA



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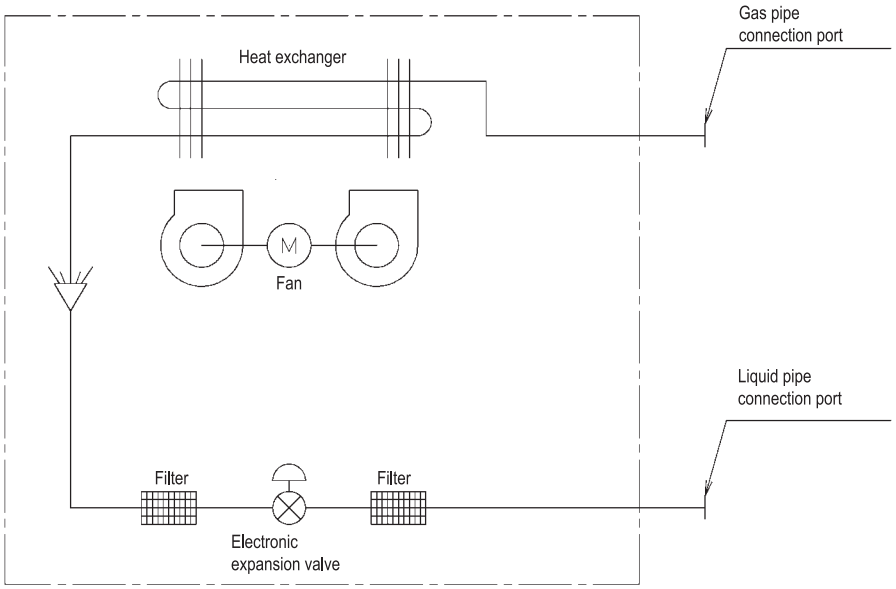
9 Piping diagrams

9 - 1 Piping Diagrams

FXMQ-MA



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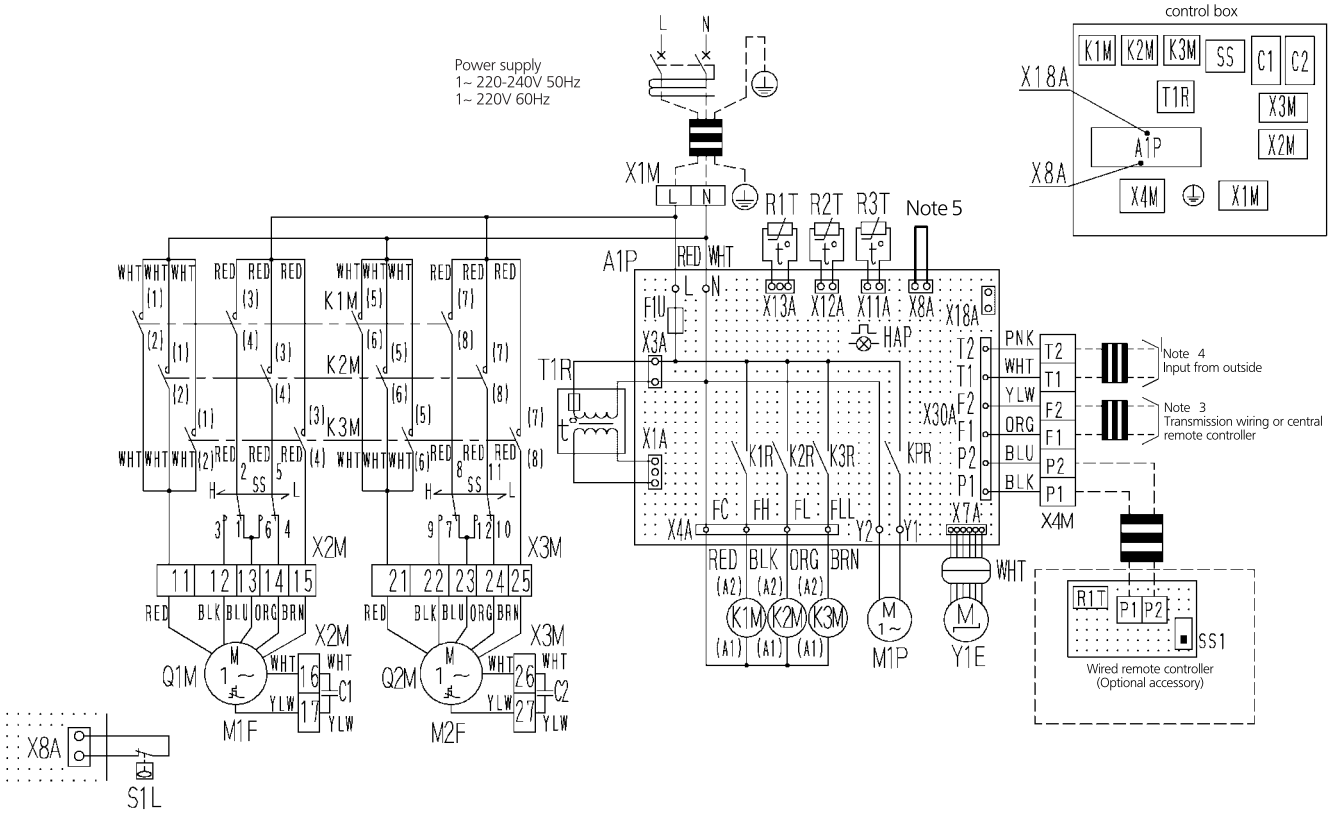
10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXMQ-MA



Indoor unit
A1P : Printed circuit board
C1•C2 : Capacitor (M1F•2F)
F1U : Fuse (F, 5A, 250V)
HAP : Light emitting diode (service monitor green)
K1M : Magnetic contactor (M1F•2F)
K2M : Magnetic contactor (M1F•2F)
K3M : Magnetic contactor (M1F•2F)
K1R-K3R : Magnetic relay (M1F•2F)
KPR : Magnetic relay (M1P)
M1F•M2F : Motor (Indoor fan)
Q1M•Q2M: Thermo switch (M1F•2F Embedded)
R1T : Thermistor (Air)
R2T•R3T : Thermistor (Coil)
SS : Selector switch (Static pressure)
T1R : Transformer (220-240V/220V)
X1M : Terminal block (power)
X2M-X3M : Terminal block
X4M : Terminal block (Control)
Y1E : Electronic expansion valve

Optional parts
M1P : Motor (drain pump)

Wired remote controller
R1T : Thermistor (Air)
SS1 : Selector switch (main/sub)

Connector for optional parts
X8A : Connector (Float switch)
X18A : Connector (Wiring adapter for electrical appendices)

Notes

1 : Terminal block , : Connector, : Short circuit connector, : Terminal
2 : Field wiring
3 In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
4 When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. In details, refer to the installation manual attached to the unit.
5 In case installing the drain pump, remove the short circuit connector of X8A and execute the additional wiring for float switch and drain pump.
6 Symbols shows as follows: PNK:Pink WHT:White YLW:Yellow ORG:Orange BLU:Blue BLK:Black RED:Red BRN:Brown
7 Use copper conductors only.
8 In case high E, S, P operation, change the switch (SS) for *H*

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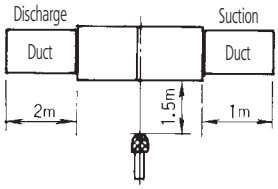
11 Sound data

11 - 1 Sound Level Data

FXMQ-MA

Model	Sound pressure level - 220V			Sound power level
	H	L	Measuring location	
FXMQ200MA	48	45		*
FXMQ250MA	48	45		*

NOTES

1 Reference acoustic pressure 0 dB = 20 Pa.

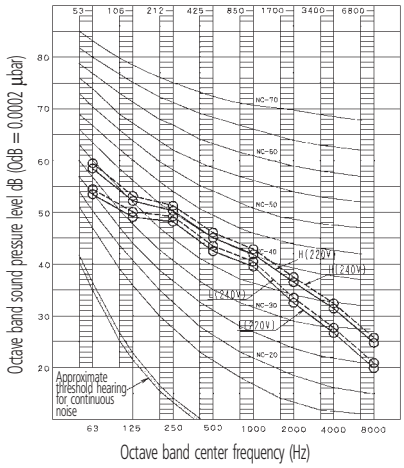
2 Measuring place: anechoic chamber

3 Operation noise differs with operation and ambient conditions.
*Data were not available at the time of publication

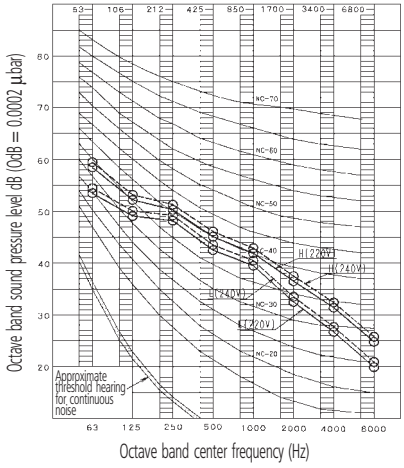
11 Sound data

11 - 2 Sound Pressure Spectrum

FXMQ200MA 4D035168



FXMQ250MA 4D035169

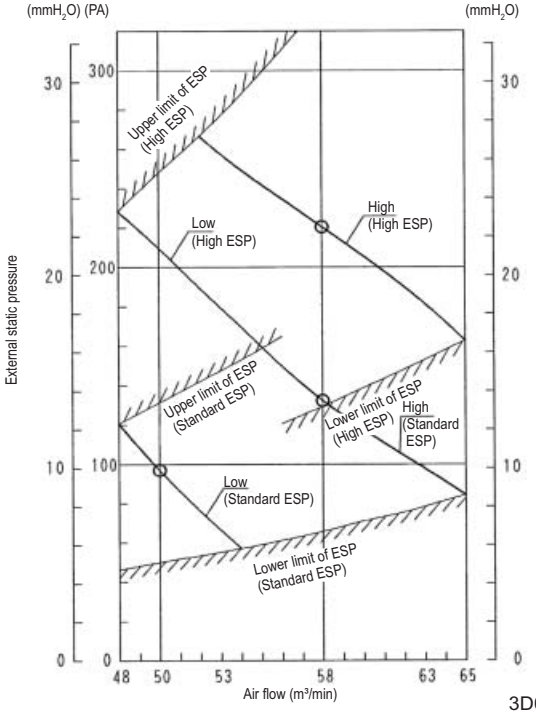


12 Fan characteristics

12 - 1 Fan Characteristics

FXMQ200MA

50Hz 220V



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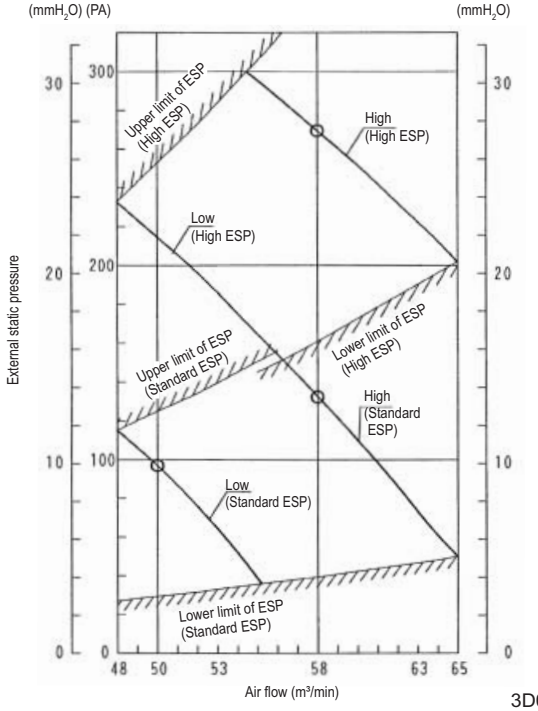
NOTES

1. The remote control can be used to switch between “high” and “low”.
2. The air flow is set to “standard” before leaving the factory. It is possible to switch between “standard ESP” and “high ESP” by changing the switch in the indoor unit electrical box.

FXMQ200MA

60Hz 220V



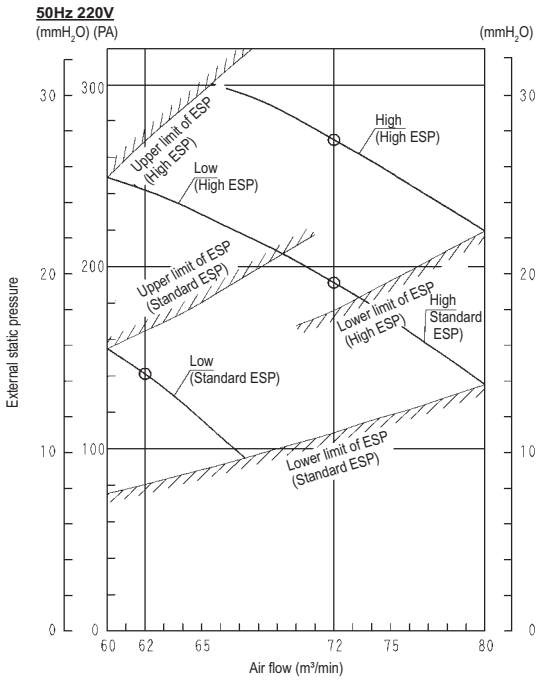
3D035172

NOTES

1. The remote control can be used to switch between “high” and “low”.
2. The air flow is set to “standard” before leaving the factory. It is possible to switch between “standard ESP” and “high ESP” by changing the switch in the indoor unit electrical box.

FXMQ250MA

50Hz 220V



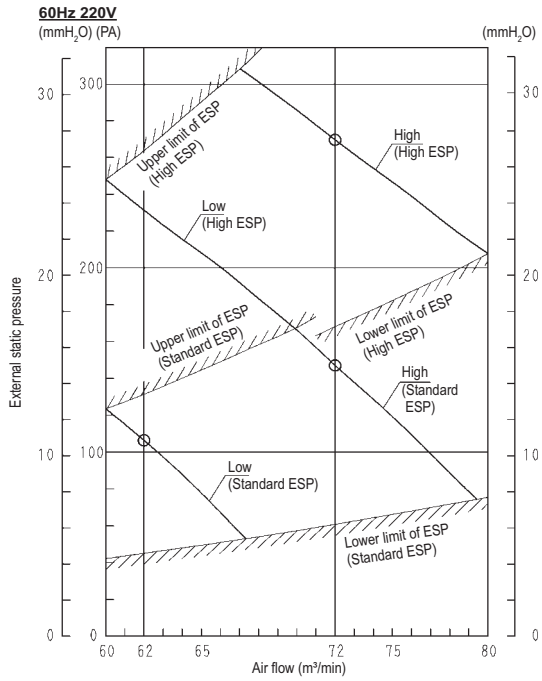
3D035173A

NOTES

1. The remote control can be used to switch between “high” and “low”.
2. The air flow is set to “standard” before leaving the factory. It is possible to switch between “standard ESP” and “high ESP” by changing the switch in the indoor unit electrical box.

FXMQ250MA

60Hz 220V



3D035173A

NOTES

1. The remote control can be used to switch between “high” and “low”.
2. The air flow is set to “standard” before leaving the factory. It is possible to switch between “standard ESP” and “high ESP” by changing the switch in the indoor unit electrical box.

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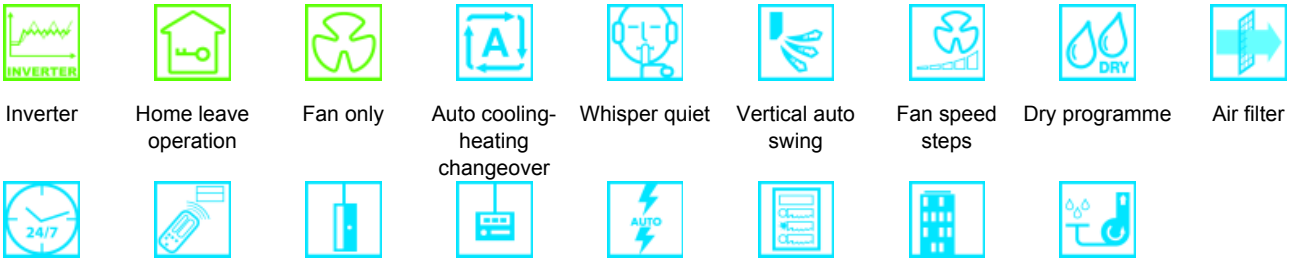
1 Features

1 - 1 FXAQ-PV

- Ideal solution for commercial spaces with no or narrow false ceilings
- Can easily be installed in both new and refurbishment projects
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit



Inverter | Home leave operation | Fan only | Auto cooling-heating changeover | Whisper quiet | Vertical auto swing | Fan speed steps | Dry programme | Air filter

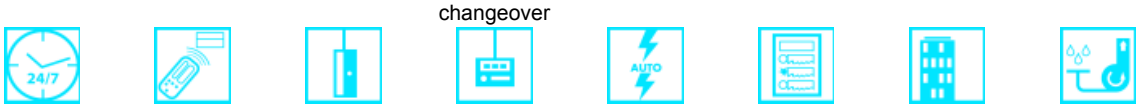
Weekly timer | Infrared remote control | Wired remote control | Centralised control | Auto-restart | Self diagnosis | Multi tenant | Drain pump kit

1 Features

1 - 2 FXAQ-PVER

- Ideal solution for commercial spaces with no or narrow false ceilings
- Can easily be installed in both new and refurbishment projects
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit

Inverter | Home leave operation | Fan only | Auto cooling-heating changeover | Whisper quiet | Vertical auto swing | Fan speed steps | Dry programme | Air filter



Weekly timer | Infrared remote control | Wired remote control | Centralised control | Auto-restart | Self diagnosis | Multi tenant | Drain pump kit

2 Specifications

2-1 Technical Specifications					FXAQ20PV	FXAQ25PV	FXAQ32PV	FXAQ40PVER	FXAQ50PVER	FXAQ63PVER
System	Connectable outdoor unit system				-			R410A VRV Series		
Cooling capacity	Nom.			kW	2.2 (1)	2.8 (1)	3.6 (1)	4.5 (1)	5.6 (1)	7.1 (1)
Heating capacity	Nom.			kW	2.5 (2)	3.2 (2)	4.0 (2)	5.0 (2)	6.3 (2)	8.0 (2)
Power input - 50Hz	Cooling	Nom.		kW	0.019 (1)	0.028 (1)	0.030 (1)	0.020 (1)	0.033 (1)	0.050 (1)
	Heating	Nom.		kW	0.029 (2)	0.034 (2)	0.035 (2)	0.020 (2)	0.039 (2)	0.060 (2)
Power input - 60Hz	Cooling	Nom.		kW	0.019 (1)	0.028 (1)	0.030 (1)	0.020 (1)	0.033 (1)	0.050 (1)
	Heating	Nom.		kW	0.029 (2)	0.034 (2)	0.035 (2)	0.020 (2)	0.039 (2)	0.060 (2)
Dimensions	Unit	Height		mm	290					
		Width		mm	795			1,050		
		Depth		mm	238					
Weight	Unit			kg	11			14		
Casing	Colour				White (3.0Y8.5/0.5)					
Heat exchanger	Type				Cross fin coil					
	Rows	Quantity			2					
	Fin pitch			mm	1.4					
	Face area			m²	0.161			0.213		
	Stages	Quantity			14					
Fan	Type				Cross flow fan					
	Air flow rate - 50Hz	Cooling	High	m³/min	7.5	8	8.5	12	15	19
			Low	m³/min	4.5	5	5.5	9	12	14
	Air flow rate - 60Hz	Cooling	High	m³/min	7.5	8	8.5	12	15	19
			Low	m³/min	4.5	5	5.5	9	12	14
Fan motor	Model				QCL9661M			QCL9686M		
	Output	High		W	40			43		
	Drive				Direct drive					
Air filter	Type				Washable resin net					
Sound pressure level	Cooling	High		dBA	35.0	36.0	38.0	39.0	42.0	47.0
		Low		dBA	31.0			34.0	37.0	41.0
	Heating	High		dBA	35.0	36.0	38.0	39.0	42.0	47.0
		Low		dBA	31.0			34.0	37.0	41.0
Refrigerant	Type				R-410A					
	Control				Expansion valve (electronic type)					
Piping connections	Liquid	Type			Flare connection					
		OD		mm	6.35					9.52
	Gas	Type			Flare connection					
		OD		mm	12.7					15.9
	Drain				VP13 (I.D. 13/O.D. 18)					
	Heat insulation				Foamed polystyrene / polyethylene					
	Sound absorbing insulation				Foamed polystyrene / polyethylene					
Temperature control					Microprocessor thermostat for cooling and heating					
Safety devices	Item	01			Fuse					
Control systems	Infrared remote control				-					
	Wired remote control				-					
	Simplified wired remote control for hotel applications				-					

Standard Accessories : Installation and operation manual;
Standard Accessories : Installation panel;
Standard Accessories : Paper pattern for installation;
Standard Accessories : Insulation tape;
Standard Accessories : Clamps;
Standard Accessories : Screws;
Standard Accessories : Operation manual;
Standard Accessories : Installation manual;

2 Specifications

2-2 Electrical Specifications				FXAQ20PV	FXAQ25PV	FXAQ32PV	FXAQ40PVER	FXAQ50PVER	FXAQ63PVER
Power supply	Phase			1~					
	Frequency		Hz	50/60					
	Voltage		V	220-240/220					
Voltage range	Min.		%	-10					
	Max.		%	10					
Current - 50Hz	Minimum circuit amps (MCA)		A	0.3	0.4			0.5	0.6
	Maximum fuse amps (MFA)		A	15					
	Full load amps (FLA)	Total	A	0.2	0.3			0.4	0.5
Current - 60Hz	Minimum circuit amps (MCA)		A	0.3	0.4			0.5	0.6
	Maximum fuse amps (MFA)		A	15					
	Full load amps (FLA)	Total	A	0.2	0.3			0.4	0.5

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m (horizontal)

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m (horizontal)

Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

MFA ≤ 4 x FLA

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

FXAQ-PV

Units				Power supply		IFM		Input (W)	
Model	Hz	Volts	Voltage range	MCA	MFA	kW	FLA	Cooling	Heating
FXAQ20PV	50	220-240	Max. 264 Min. 198	0.3	15	0.040	0.2	19	29
FXAQ25PV				0.4	15	0.040	0.3	28	34
FXAQ32PV				0.4	15	0.040	0.3	30	35
FXAQ20PV	60	220	Max. 242 Min. 198	0.3	15	0.040	0.2	19	29
FXAQ25PV				0.4	15	0.040	0.3	28	34
FXAQ32PV				0.4	15	0.040	0.3	30	35

NOTES

1. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
2. Maximum allowable voltage unbalance between phases is 2 %.
3. MCA/MFA
   MCA = 1.25 x FLA
   MFA ≤ 4 x FLA
   (Next lower standard fuse rating. min. 15A)
4. Select wire size based on the MCA.
5. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (see note 5)
kW : Fan Motor Rated Output (kW)
FLA : Full Load Amps (A)
IFM : Indoor Fan Motor

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FXAQ-PVER

Units				Power supply		IFM		Input (W)	
Model	Hz	Volts	Voltage range	MCA	MFA	kW	FLA	Cooling	Heating
FXAQ40PVER	50	220-240V	Max. 264V Min. 198V	0.4	15	0.043	0.3	20	20
FXAQ50PVER				0.5	15	0.043	0.4	33	39
FXAQ63PVER				0.6	15	0.043	0.5	50	50
FXAQ40PVER	60	220V	Max. 242V Min. 198V	0.4	15	0.043	0.3	20	20
FXAQ50PVER				0.5	15	0.043	0.4	33	39
FXAQ63PVER				0.6	15	0.043	0.5	50	50

NOTES

1. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to the unit terminals is not below or above listed range limits.
2. Maximum allowable voltage unbalance between phases is 2%.
3. MCA/MFA
   MCA=1.25xFLA
   MFA≤4xFLA
   (Next lower standard fuse rating, min.15A)
4. Select wire size based on the MCA.
5. Instead of a fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (see note 5)
kW : Fan Motor Rated Output (kW)
FLA : Full Load Amps (A)
IFM : Indoor Fan Motor

4D077066

4 Safety device settings

4 - 1 Safety Device Settings

FXAQ-PVER

	Safety devices		40	50	63
FXAQ-PVER	PC board fuse		250V 3.15A		
	Fan motor thermal fuse	°C	-		
	Fan motor thermal protector	°C	-		

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5 Options

5 - 1 Options

FXAQ-PV

No.	Item \ Type			FXAQ~PV
1	Remote controller	Wireless	H/P	BRC7EA618
			C/O	BRC7EA619
		Wired		BRC1C62 • BRC1D61 • BRC1E61
2	Simplified remote controller			—
3	Remote controller for hotel use			—
4	Adaptor for wiring			—
5-1	Wiring adaptor for electrical appendices(1)			*KRP2A51
5-1	Wiring adaptor for electrical appendices(2)			*KRP2A61
6	Remote sensor			*KRP4AA51
7	Installation box for adaptor PCB.			—
8	Central remote controller			Note 2 ,3 KRP4AA93
8-1	Electrical box with earth terminal (3 blocks)			
9	Unified on/off controller			
9-1	Electrical box with earth terminal (2 blocks)			
9-2	Noise filter (for electromagnetic interface use only)			
10	Schedule timer			*DTA104A51
11	External control adaptor for outdoor unit (Must be installed on indoor units)			*DTA104A61
12	Adaptor for multi tenant			*DTA114A61

NOTES

1. Installation box (No.7) is necessary for each adaptor marked *.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box (No.7) is necessary for second adaptor.
6. Installation box (No.7) is necessary for each adaptor.

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FXAQ-PVER

No.	Item \ Type			FXAQ~PVER
1	Remote controller	Wireless	H/P	BRC7EA618
			C/O	BRC7EA619
		Wired		BRC1C62 • BRC1D61 • BRC1E61
2	Simplified remote controller			—
3	Remote controller for hotel use			—
4	Adaptor for wiring			—
5-1	Wiring adaptor for electrical appendices(1)			*KRP2A51
5-1	Wiring adaptor for electrical appendices(2)			*KRP2A61
6	Remote sensor			*KRP4AA51
7	Installation box for adaptor PCB.			—
8	Central remote controller			Note 2 ,3 KRP4AA93
8-1	Electrical box with earth terminal (3 blocks)			
9	Unified on/off controller			
9-1	Electrical box with earth terminal (2 blocks)			
9-2	Noise filter (for electromagnetic interface use only)			
10	Schedule timer			*DTA104A51
11	External control adaptor for outdoor unit (Must be installed on indoor units)			*DTA104A61
12	Adaptor for multi tenant			*DTA114A61

NOTES

1. Installation box (No.7) is necessary for each adaptor marked *.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box (No.7) is necessary for second adaptor.
6. Installation box (No.7) is necessary for each adaptor.

3D023974R

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXAQ-PV

TC: Total Capacity: kW; SHC: Sensible heat capacity: kW

Unit size	Outdoor air temp.	14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	10.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.2	1.5
1.7	12.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.2	1.5
	14.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.2	1.5
	16.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.1	1.5
	18.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.1	1.5
	20.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.1	1.4
	21.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.1	1.4
	23.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.0	1.4
	25.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	2.0	1.5	2.0	1.4
	27.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	1.9	1.5	2.0	1.4
	29.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	1.9	1.5	2.0	1.4
	31.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	1.9	1.5	1.9	1.4
	33.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	1.9	1.4	1.9	1.4
	35.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.5	1.8	1.4	1.9	1.4
	37.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.8	1.4	1.8	1.4	1.8	1.3
	39.0	1.1	1.1	1.4	1.4	1.6	1.4	1.7	1.5	1.7	1.4	1.8	1.4	1.8	1.3
20	10.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.9	1.9
2.2	12.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.9	1.9
	14.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.8	1.9
	16.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.8	1.9
	18.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	1.9
	20.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	1.9
	21.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	1.9
	23.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	1.9	2.6	1.9
	25.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	1.9	2.6	1.9
	27.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.6	1.8
	29.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.5	1.8
	31.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.9	2.5	1.8
	33.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.9	2.5	1.8
	35.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.9	2.4	1.8
	37.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.3	1.8	2.4	1.7
	39.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.2	1.9	2.3	1.8	2.3	1.7
25	10.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.4	2.3	3.7	2.3
2.8	12.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.4	2.3	3.6	2.2
	14.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.4	2.3	3.6	2.3
	16.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.4	2.3	3.5	2.2
	18.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.4	2.3	3.5	2.2
	20.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.4	2.3	3.4	2.2
	21.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.4	2.3	3.4	2.2
	23.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.3	2.3	3.4	2.2
	25.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.3	2.2	3.3	2.2
	27.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.2	2.2	3.3	2.1
	29.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.2	2.2	3.2	2.1
	31.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.1	2.2	3.2	2.1
	33.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.1	2.2	3.1	2.1
	35.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	3.0	2.2	3.0	2.2	3.1	2.1
	37.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	2.9	2.2	3.0	2.1	3.0	2.0
	39.0	1.9	1.8	2.3	2.0	2.6	2.2	2.8	2.2	2.9	2.2	2.9	2.1	3.0	2.0
32	10.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.3	2.8	4.7	2.8
3.6	12.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.3	2.8	4.7	2.8
	14.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.3	2.8	4.6	2.8
	16.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.3	2.8	4.6	2.8
	18.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.3	2.8	4.5	2.7
	20.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.3	2.8	4.4	2.7
	21.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.3	2.8	4.4	2.7
	23.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.2	2.8	4.3	2.7
	25.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.2	2.8	4.3	2.6
	27.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.1	2.7	4.2	2.6
	29.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.1	2.7	4.2	2.6
	31.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	4.0	2.7	4.1	2.6
	33.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	3.9	2.6	4.0	2.5
	35.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.8	2.7	3.9	2.6	4.0	2.5
	37.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.7	2.6	3.8	2.6	3.9	2.5
	39.0	2.4	2.2	2.9	2.4	3.4	2.6	3.6	2.7	3.7	2.6	3.8	2.6	3.8	2.5

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXAQ-PVER

TC: Total Capacity: kW; SHC: Sensible heat capacity: kW

Unit size	Outdoor air temp.	14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
40	10.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.4	3.6	5.9	3.6
4.5	12.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.4	3.6	5.8	3.5
	14.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.4	3.6	5.8	3.5
	16.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.4	3.6	5.7	3.5
	18.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.4	3.6	5.6	3.4
	20.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.4	3.6	5.5	3.4
	21.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.4	3.6	5.5	3.4
	23.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.3	3.6	5.4	3.3
	25.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.2	3.6	5.3	3.3
	27.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.2	3.5	5.3	3.3
	29.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.1	3.5	5.2	3.2
	31.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	5.0	3.4	5.1	3.2
	33.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.8	3.6	4.9	3.4	5.0	3.1
	35.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.7	3.6	4.9	3.4	5.0	3.1
	37.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.7	3.5	4.8	3.3	4.9	3.1
	39.0	3.0	2.9	3.6	3.3	4.2	3.7	4.5	3.5	4.6	3.5	4.7	3.3	4.8	3.0
50	10.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.7	4.4	7.4	4.4
5.6	12.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.7	4.4	7.3	4.3
	14.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.7	4.4	7.2	4.3
	16.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.7	4.4	7.1	4.3
	18.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.7	4.4	7.0	4.2
	20.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.7	4.4	6.9	4.2
	21.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.7	4.4	6.8	4.2
	23.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.6	4.4	6.7	4.1
	25.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.5	4.3	6.6	4.1
	27.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.4	4.3	6.6	4.0
	29.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.3	4.2	6.5	4.0
	31.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.2	4.2	6.4	3.9
	33.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	6.0	4.3	6.1	4.2	6.3	3.9
	35.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	5.9	4.3	6.0	4.1	6.2	3.8
	37.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	5.8	4.3	5.9	4.1	6.1	3.8
	39.0	3.8	3.2	4.5	3.7	5.2	4.1	5.6	4.2	5.7	4.2	5.8	4.0	6.0	3.8
63	10.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.5	5.6	9.3	5.3
7.1	12.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.5	5.6	9.2	5.3
	14.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.5	5.6	9.1	5.2
	16.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.5	5.6	9.0	5.2
	18.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.5	5.6	8.8	5.2
	20.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.5	5.6	8.7	5.1
	21.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.5	5.6	8.7	5.1
	23.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.4	5.5	8.5	5.0
	25.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.3	5.5	8.4	5.0
	27.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.1	5.4	8.3	4.9
	29.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	8.0	5.4	8.2	4.9
	31.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	7.9	5.3	8.1	4.8
	33.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.6	5.4	7.8	5.2	7.9	4.8
	35.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.5	5.4	7.7	5.2	7.8	4.7
	37.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.4	5.3	7.5	5.1	7.7	4.7
	39.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.3	7.2	5.3	7.4	5.1	7.6	4.6

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6 Capacity tables

6 - 2 Heating Capacity Tables

FXAQ-PV

Unit size	Outdoor air temp.		Indoor air temperature: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	KW	KW	KW	KW	KW	KW
15	-19.8	-20.0	1.1	1.1	1.1	1.1	1.1	1.1
	-18.8	-19.0	1.2	1.2	1.1	1.1	1.1	1.1
	-16.7	-17.0	1.2	1.2	1.2	1.2	1.2	1.2
	-14.7	-15.0	1.3	1.3	1.3	1.3	1.3	1.3
	-12.6	-13.0	1.4	1.4	1.3	1.3	1.3	1.3
	-10.5	-11.0	1.4	1.4	1.4	1.4	1.4	1.4
	-9.5	-10.0	1.5	1.5	1.4	1.4	1.4	1.4
	-8.5	-9.1	1.5	1.5	1.5	1.5	1.5	1.5
	-7.0	-7.6	1.5	1.5	1.5	1.5	1.5	1.5
	-5.0	-5.6	1.6	1.6	1.6	1.6	1.6	1.6
	-3.0	-3.7	1.7	1.7	1.7	1.7	1.7	1.7
	0.0	-0.7	1.8	1.8	1.8	1.8	1.8	1.7
	3.0	2.2	1.9	1.9	1.9	1.8	1.8	1.7
	5.0	4.1	1.9	1.9	1.9	1.8	1.8	1.7
	7.0	6.0	2.0	2.0	1.9	1.8	1.8	1.7
	9.0	7.9	2.1	2.0	1.9	1.8	1.8	1.7
	11.0	9.8	2.1	2.0	1.9	1.8	1.8	1.7
	13.0	11.8	2.1	2.0	1.9	1.8	1.8	1.7
	15.0	13.7	2.1	2.0	1.9	1.8	1.8	1.7
20	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
	-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
	-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
	-14.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
	-12.6	-13.0	1.8	1.8	1.8	1.8	1.8	1.8
	-10.5	-11.0	1.9	1.9	1.9	1.9	1.9	1.9
	-9.5	-10.0	1.9	1.9	1.9	1.9	1.9	1.9
	-8.5	-9.1	2.0	2.0	1.9	1.9	1.9	1.9
	-7.0	-7.6	2.0	2.0	2.0	2.0	2.0	2.0
	-5.0	-5.6	2.1	2.1	2.1	2.1	2.1	2.1
	-3.0	-3.7	2.2	2.2	2.2	2.2	2.2	2.2
	0.0	-0.7	2.3	2.3	2.3	2.3	2.3	2.2
	3.0	2.2	2.5	2.5	2.4	2.4	2.3	2.2
	5.0	4.1	2.5	2.5	2.5	2.4	2.3	2.2
	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
	9.0	7.9	2.7	2.7	2.5	2.4	2.3	2.2
	11.0	9.8	2.8	2.7	2.5	2.4	2.3	2.2
	13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.2
	15.0	13.7	2.8	2.7	2.5	2.4	2.3	2.2
25	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
	-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
	-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
	-14.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
	-12.6	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
	-10.5	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
	-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
	-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
	-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
	-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
	-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
	0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
	3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
	5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
	9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
	11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
	13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.8
	15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
	-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
	-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
	-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
	-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
	-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
	-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
	-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
	-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
	-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
	-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
	0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
	3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
	5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
	9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
	11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
	13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
	15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5

CA12A426

6 Capacity tables

6 - 2 Heating Capacity Tables

FXAQ-PVER

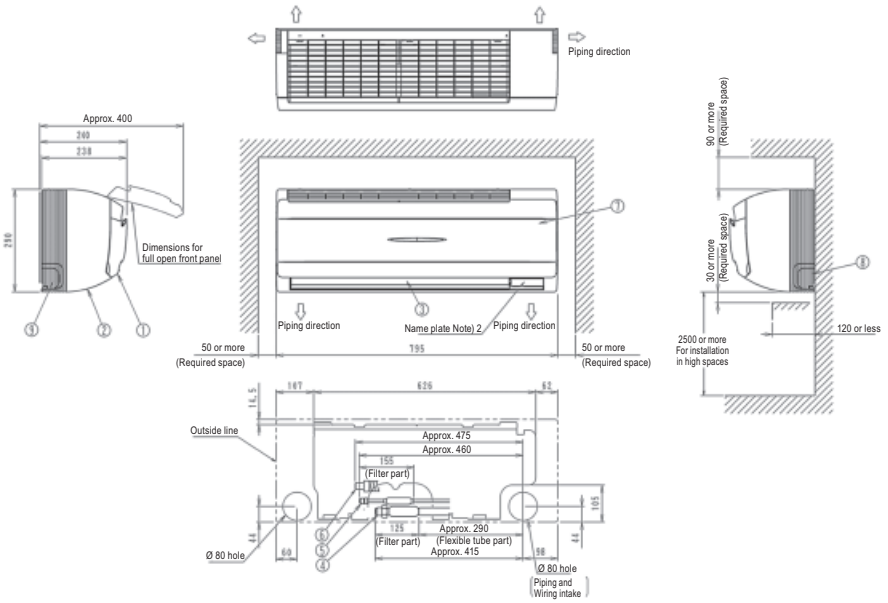
Unit size	Outdoor air temp.		Indoor air temperature: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	KW	KW	KW	KW	KW	KW
40	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
	-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
	-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
	-14.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
	-12.6	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
	-10.5	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
	-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
	-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
	-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
	-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
	-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
	0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
	3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
	5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
	9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
	11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
	13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
	15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4
50	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
	-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
	-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
	-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
	-12.6	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
	-10.5	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
	-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
	-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
	-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
	-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
	-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
	0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
	3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
	5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
	9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
	11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
	13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5
	15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5
63	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
	-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
	-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
	-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
	-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
	-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
	-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
	-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
	-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
	-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
	-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
	0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
	3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
	5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
	9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
	11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
	13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
	15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0

CA12A426

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXAQ20-32PV

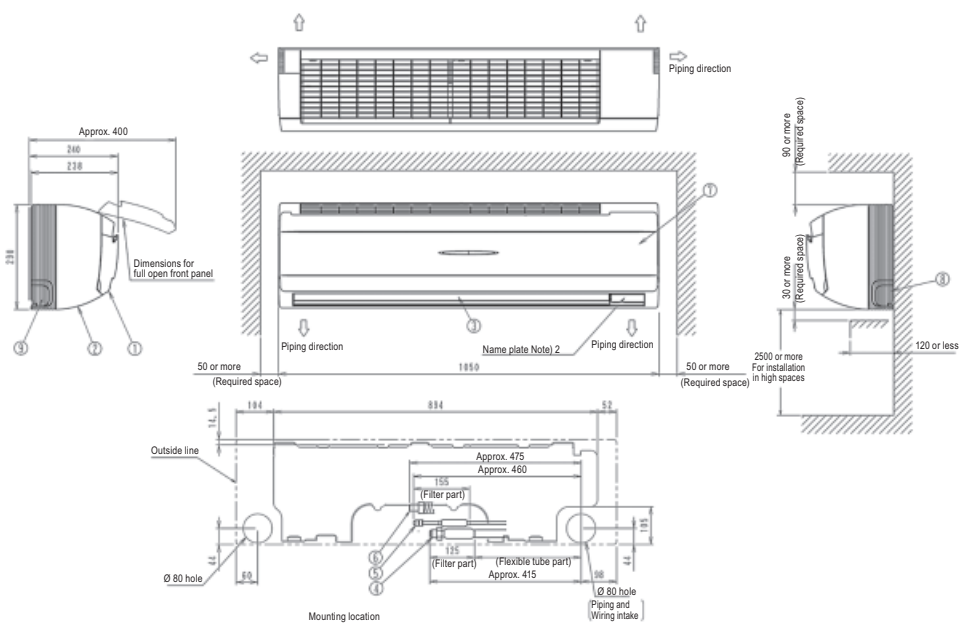


No.	Name	Description
1	Front panel	
2	Front grill	
3	Air outlet	
4	Gas pipe	Ø 12.7 Flare connection
5	Liquid pipe	Ø 6.4 Flare connection
6	Drain hose	VP13 (External dia. Ø 18)
7	Grounding terminal	M4
8	Right side pipe connection hole	
9	Left side pipe connection hole	

NOTES

1. Location of unit's of Name Plate:
   Right side surface of casing
2. In case of using wireless remote controller, this position will be a signal receiver.
   Refer to the drawing of wireless remote controller in detail

FXAQ40-50PVER



No.	Name	Description
1	Front panel	
2	Front grill	
3	Air outlet	
4	Gas pipe	Ø 12.7 Flare connection
5	Liquid pipe	Ø 6.4 Flare connection
6	Drain hose	VP13 (External dia. Ø 18)
7	Grounding terminal	M4
8	Right side pipe connection hole	
9	Left side pipe connection hole	

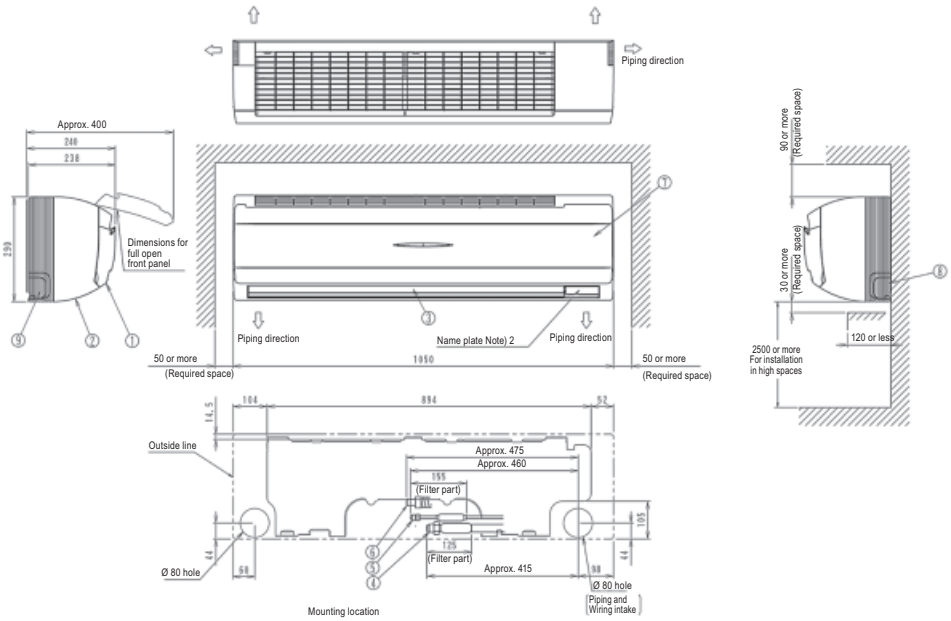
NOTES

1. Location of unit's of name plate:
   Right side surface of casing
2. In case of using wireless remote controller, this position will be a signal receiver.
   Refer to the drawing of wireless remote controller in detail.

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXAQ63PVER



3D065066A

No.	Name	Description
1	Front panel	
2	Front grill	
3	Air outlet	
4	Gas pipe	Ø 15.9 Flare connection
5	Liquid pipe	Ø 9.5 Flare connection
6	Drain hose	VP13 (External dia. Ø 18)
7	Grounding terminal	M4
8	Right side pipe connection hole	
9	Left side pipe connection hole	

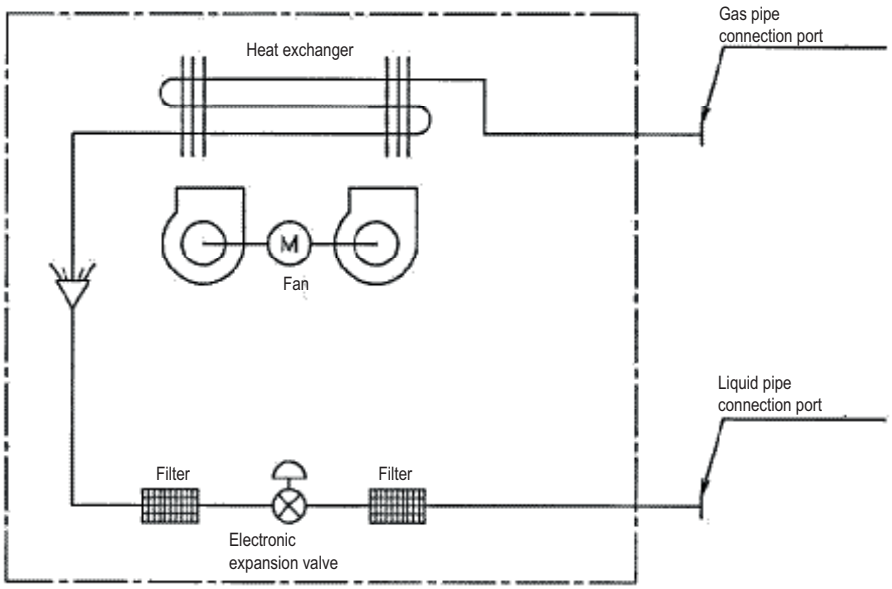
NOTES

1. Location of unit's of name plate:
   Right side surface of casing
2. In case of using wireless remote controller, this position will be a signal receiver.
   Refer to the drawing of wireless remote controller in detail.

8 Piping diagrams

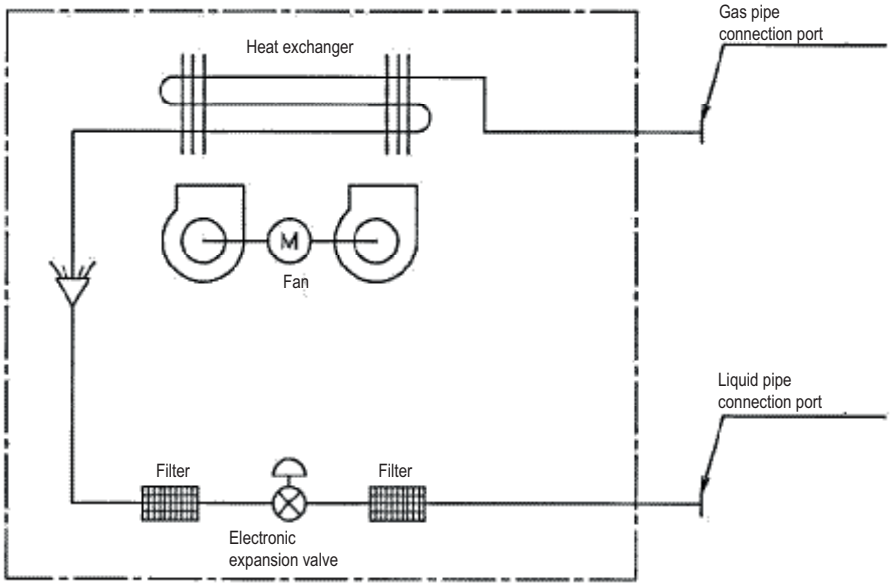
8 - 1 Piping Diagrams

FXAQ-PV



4D034245G

FXAQ-PVER

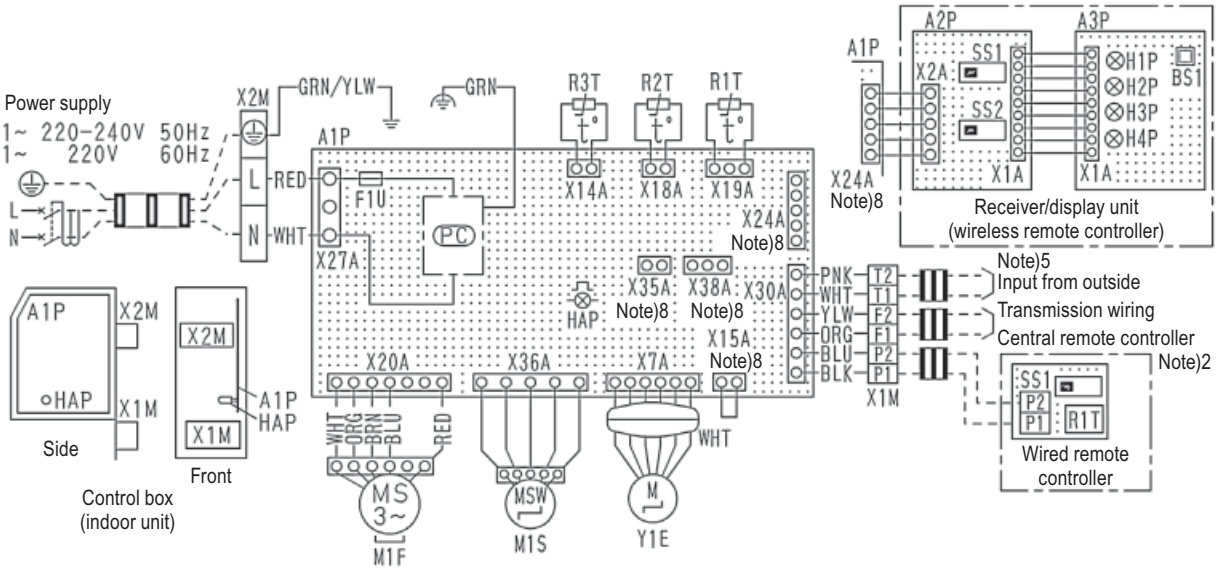


4D034245M

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXAQ-PV



Indoor unit		Receiver/display unit (attached to wireless remote controller)		Wired remote controller	
A1P	Printed circuit board	A2P	Printed circuit board	R1T	Thermistor (air)
F1U	Fuse(T, 3.15AH, 250V)	A3P	Printed circuit board	SS1	Selector switch (main/sub)
HAP	Light emitting diode (service monitor green)	BS1	Push button (on/off)	CONNECTOR FOR OPTIONAL PARTS	
		H1P	Light emitting diode (on-red)	X15A	Connector (float switch)
M1F	Motor (indoor fan)	H2P	Light emitting diode (timer-green)	X24A	Connector (wireless remote controller)
M1S	Motor (swing flap)			X35A	Connector (group control adaptor)
R1T	Thermistor (air)	H3P	Light emitting diode (filter sign-red)	X38A	Connector (adaptor for multi tenant)
R2T	Thermistor (coil liquid pipe)				
R3T	Thermistor (coil gas pipe)	H4P	Light emitting diode (defrost-orange)		
X1M	Terminal block (control)				
X2M	Terminal block (power)	SS1	Selector switch (main/sub)		
Y1E	Electronic expansion valve	SS2	Selector switch (wireless address set)		
(PC)	Power circuit				

NOTES

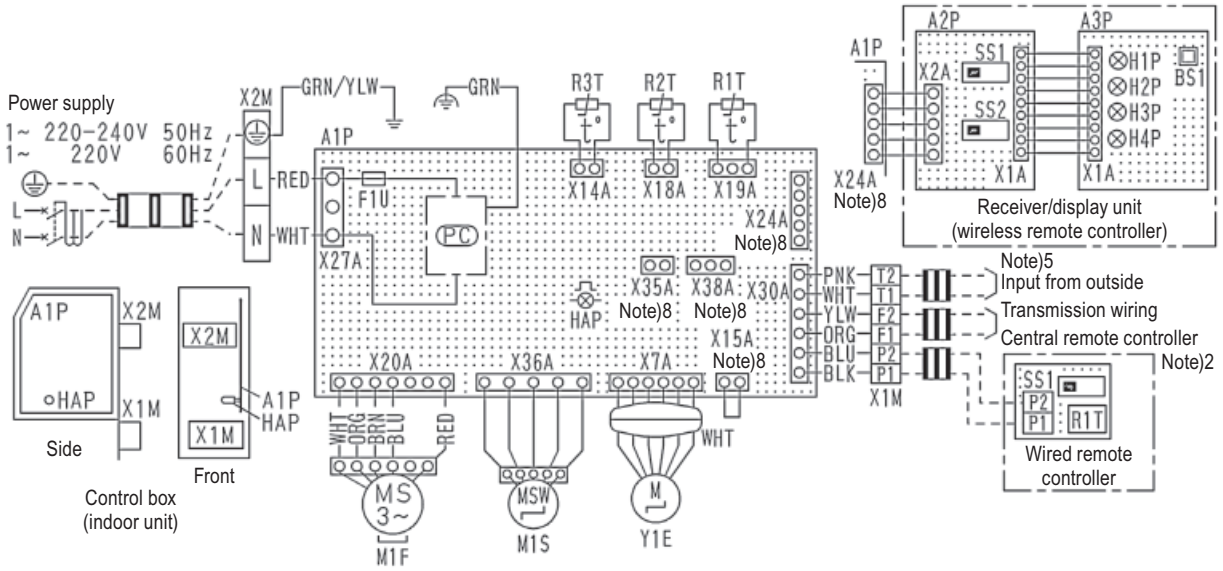
1. : Terminal : Connector : Protective Earth (Screw)
   : Field Wiring : Connector : Noiseless Earth
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. Symbols show as follows: RED: red WHT: white GRN: green PNK: pink YLW: yellow BLK: black ORG: orange BLU: blue BRN: brown
4. Shows short circuit connector.
5. When connecting the input wires from outside, forced off or on/off control operation can be selected by remote controller, in details, refer to the installation manual attached to the unit.
6. Remote controller model varies according to the combination system, confirm engineering data and catalogs, etc, before connecting.
7. Confirm the method of setting the selector switch (SS1, SS2) of wired remote controller and wireless remote controller by installation manual and engineering data, etc.
8. X15A, X24A, X35A and X38A are connected when the optional accessories are used.

3D076498

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXAQ-PVER



Indoor unit		Receiver/display unit (attached to wireless remote controller)		Wired remote controller	
A1P	Printed circuit board	A2P	Printed circuit board	R1T	Thermistor (air)
F1U	Fuse(T, 3.15AH, 250V)	A3P	Printed circuit board	SS1	Selector switch (main/sub)
HAP	Light emitting diode (service monitor green)	BS1	Push button (on/off)	CONNECTOR FOR OPTIONAL PARTS	
		H1P	Light emitting diode (on-red)	X15A	Connector (float switch)
M1F	Motor (indoor fan)	H2P	Light emitting diode (timer-green)	X24A	Connector (wireless remote controller)
M1S	Motor (swing flap)			X35A	Connector (group control adaptor)
R1T	Thermistor (air)	H3P	Light emitting diode (filter sign-red)	X38A	Connector (adaptor for multi tenant)
R2T	Thermistor (coil liquid pipe)				
R3T	Thermistor (coil gas pipe)	H4P	Light emitting diode (defrost-orange)		
X1M	Terminal block (control)				
X2M	Terminal block (power)	SS1	Selector switch (main/sub)		
Y1E	Electronic expansion valve	SS2	Selector switch (wireless address set)		
(PC)	Power circuit				

NOTES

1. : Terminal : Connector : Protective Earth (Screw)
   : Field Wiring : Connector : Noiseless Earth
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. Symbols show as follows: RED: red WHT: white GRN: green PNK: pink YLW: yellow BLK: black ORG: orange BLU: blue BRN: brown
4. Shows short circuit connector.
5. When connecting the input wires from outside, forced off or on/off control operation can be selected by remote controller, in details, refer to the installation manual attached to the unit.
6. Remote controller model varies according to the combination system, confirm engineering data and catalogs, etc, before connecting.
7. Confirm the method of setting the selector switch (SS1, SS2) of wired remote controller and wireless remote controller by installation manual and engineering data, etc.
8. X15A, X24A, X35A and X38A are connected when the optional accessories are used.

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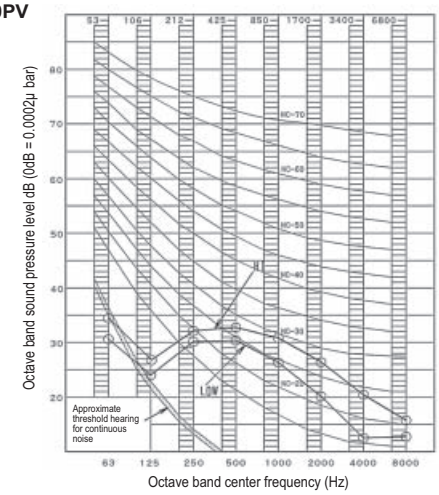
10 Sound data

10 - 1 Sound Pressure Spectrum

FXAQ20PV



4D077090

NOTES

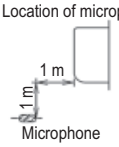
1 Over All (dB):
(B,G,N is already rectified)

Scale	Mode	
	HI	LOW
A	35.0	31.0
C	39.5	36.3

2 Operating conditions:
Power source: 220~240V 50Hz/220V 60Hz
Cooling: Return Air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
Heating: Return Air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB

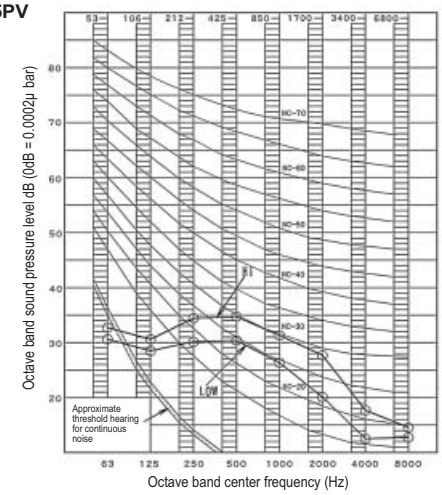
4 Measuring place: Anechoic chamber

5 Location of microphone.



6 Operation noise differs with operation and ambient conditions.

FXAQ25PV



4D077091

NOTES

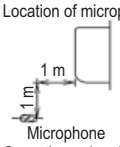
1 Over All (dB):
(B,G,N is already rectified)

Scale	Mode	
	HI	LOW
A	36.0	31.0
C	40.1	36.3

2 Operating conditions:
Power source: 220~240V 50Hz/220V 60Hz
Cooling: Return Air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
Heating: Return Air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB

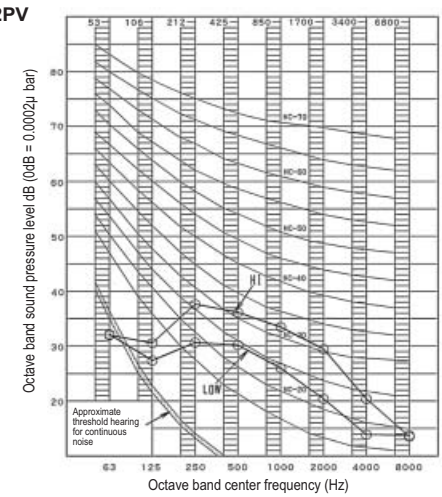
4 Measuring place: Anechoic chamber

5 Location of microphone.



6 Operation noise differs with operation and ambient conditions.

FXAQ32PV



4D077092

NOTES

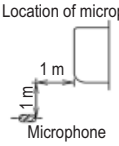
1 Over All (dB):
(B,G,N is already rectified)

Scale	Mode	
	HI	LOW
A	38.0	31.0
C	41.9	36.6

2 Operating conditions:
Power source: 220~240V 50Hz/220V 60Hz
Cooling: Return Air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
Heating: Return Air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB

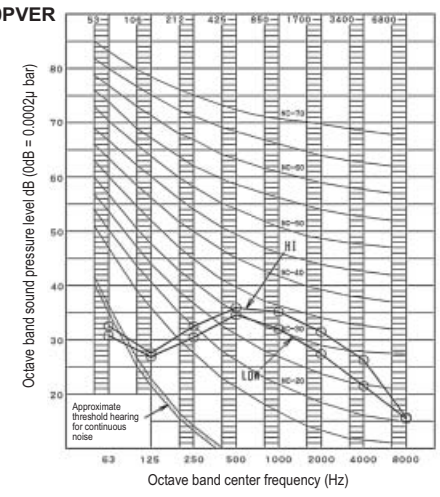
4 Measuring place: Anechoic chamber

5 Location of microphone.



6 Operation noise differs with operation and ambient conditions.

FXAQ40PVER



4D077093

NOTES

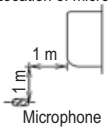
1 Over All (dB):
(B,G,N is already rectified)

Scale	Mode	
	HI	LOW
A	39.0	34.0
C	41.0	39.0

2 Operating conditions:
Power source: 220~240V 50Hz/220V 60Hz
Cooling: Return Air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
Heating: Return Air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB

4 Measuring place: Anechoic chamber

5 Location of microphone.

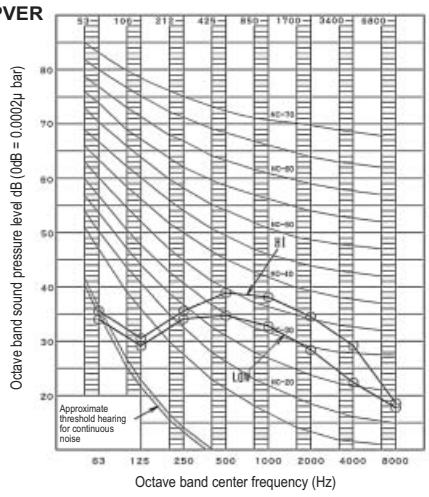


6 Operation noise differs with operation and ambient conditions.

10 Sound data

10 - 1 Sound Pressure Spectrum

FXAQ50PVER



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NOTES

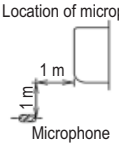
1 Over All (dB):
(B,G,N is already rectified)

Scale	Mode	
	HI	LOW
A	42.0	37.0
C	44.0	41.9

2 Operating conditions:
Power source: 220~240V 50Hz/220V 60Hz
Cooling: Return Air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
Heating: Return Air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB

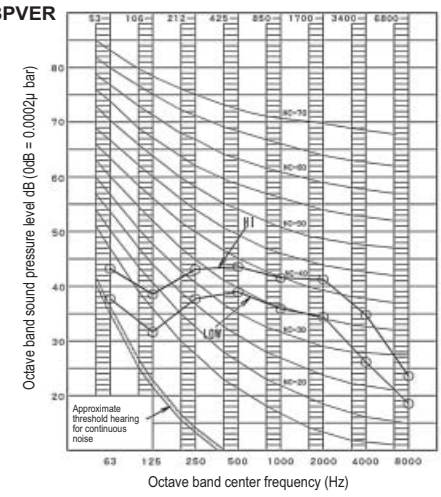
4 Measuring place: Anechoic chamber

5 Location of microphone.



6 Operation noise differs with operation and ambient conditions.

FXAQ63PVER



4D077095

NOTES

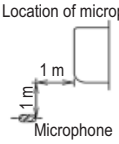
1 Over All (dB):
(B,G,N is already rectified)

Scale	Mode	
	HI	LOW
A	47.0	41.0
C	49.8	44.3

2 Operating conditions:
Power source: 220~240V 50Hz/220V 60Hz
Cooling: Return Air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
Heating: Return Air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB

4 Measuring place: Anechoic chamber

5 Location of microphone.



6 Operation noise differs with operation and ambient conditions.

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1 Features

- Can easily be installed in both new and refurbishment projects
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space

Inverter

Fan only

Auto cooling-heating changeover

Fan speed steps

Dry programme

Air filter

Auto-restart

Self diagnosis

Drain pump kit

2 Specifications

2-1 Technical Specifications					FXHQ32MA	FXHQ63MA	FXHQ100MA
Cooling capacity	Nom.			kW	3.6 (1)	7.1 (1)	11.2 (1)
Heating capacity	Nom.			kW	4.0 (2)	8.0 (2)	12.5 (2)
Power input - 50Hz	Cooling	Nom.		kW	0.111	0.115	0.135
	Heating	Nom.		kW	0.111	0.115	0.135
Power input - 60Hz	Cooling	Nom.		kW	0.142	0.145	0.199
	Heating	Nom.		kW	0.142	0.145	0.199
Dimensions	Unit	Height		mm	195		
		Width		mm	960	1,160	1,400
		Depth		mm	680		
Weight	Unit			kg	24	28	33
Casing	Colour				White (10Y9/0.5)		
Heat exchanger	Rows	Quantity			2	3	
	Fin pitch			mm	1.75		
	Face area			m²	0.182	0.233	0.293
	Stages	Quantity			12		
Fan	Type				Sirocco fan		
	Air flow rate - 50Hz	Cooling	High	m³/min	12	17.5	25
			Low	m³/min	10	14	19.5
	Air flow rate - 60Hz	Cooling	High	m³/min	12	17.5	25
			Low	m³/min	10	14	19.5
Fan motor	Model				3D12K1AA1	4D12K1AA1	3D12K2AA1
	Output	High		W	62		130
	Drive				Direct drive		
Air filter	Type				Resin net with mold resistance		
Sound pressure level	Cooling	High		dBA	36	39	45
		Low		dBA	31	34	37
Refrigerant	Type				R-410A		
	Control				Electronic expansion valve		
Piping connections	Liquid	Type			Flare connection		
		OD		mm	6.35	9.52	
	Gas	Type			Flare connection		
		OD		mm	12.7	15.9	
	Drain				VP20 (I.D. 20/O.D. 26)		
	Heat insulation				Glass wool		
	Sound absorbing insulation				Glass Wool		
Temperature control					Microprocessor thermostat for cooling and heating		
Safety devices	Item	01			Fuse		
		02			Fan motor thermal protection		
Control systems	Infrared remote control				-		
	Wired remote control				-		
	Simplified wired remote control for hotel applications				-		

Standard Accessories : Operation manual;
Standard Accessories : Installation manual;
Standard Accessories : Drain hose;
Standard Accessories : Paper pattern for installation;
Standard Accessories : Clamp metal;
Standard Accessories : Insulation for fitting;
Standard Accessories : Clamps;
Standard Accessories : Washer;

2-2 Electrical Specifications			FXHQ32MA	FXHQ63MA	FXHQ100MA
Power supply	Name		VE		
	Phase		1~		
	Frequency	Hz	50/60		
	Voltage	V	220-240/220		

2 Specifications

2-2 Electrical Specifications				FXHQ32MA	FXHQ63MA	FXHQ100MA
Voltage range	Max.		%	10		
	Min.		%	-10		
Current - 50Hz	Minimum circuit amps (MCA)		A	0.8		0.9
	Maximum fuse amps (MFA)		A	15		
	Full load amps (FLA)	Total	A	0.6		0.7
Current - 60Hz	Minimum circuit amps (MCA)		A	0.9		1.3
	Maximum fuse amps (MFA)		A	15.0		
	Full load amps (FLA)	Total	A	0.7		1.0

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m (horizontal)

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m (horizontal)

Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

Sound pressure levels are measured at 220V.

Reference acoustic pressure 0 dB = 0.0002 µbar.

Sound levels are measured in an anechoic room.

Operation sound differs with operation and ambient conditions

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 15A

Select wire size based on the value of MCA

Use a circuit breaker instead of a fuse.

3 Electrical data

3 - 1 Electrical Data

FXHQ-MA

Units				Power supply		IFM		Input (W)	
Model	Hz	Volts	Voltage range	MCA	MFA	KW	FLA	Cooling	Heating
FXHQ32MA	50	220-240	Max. 264 Min. 198	0.8	15	0.062	0.6	111	111
FXHQ63MA				0.8	15	0.062	0.6	115	115
FXHQ100MA				0.9	15	0.130	0.7	135	135
FXHQ32MA	60	220	Max. 242 Min. 198	0.9	15	0.062	0.7	142	142
FXHQ63MA				0.9	15	0.062	0.7	145	145
FXHQ100MA				1.3	15	0.130	1.0	199	199

Symbols:
MCA: Min. Circuit Amps (A)
MFA: Max. Fuse Amps (See note 5)
KW: Fan Motor Rated Output (KW)
FLA: Full Load Amps (A)
IFM: Indoor Fan motor

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NOTES

1. Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
2. Maximum allowable voltage unbalance between phases is 2%.
3. MCA/MFA
   MCA = 1.25 X FLA
   MFA ≤ 4 X FLA (next lower standard fuse rating min. 15A)
4. Select wire size based on the MCA.
5. Instead of fuse, use circuit breaker.

4 Safety device settings

4 - 1 Safety Device Settings

FXHQ-MA

Safety devices		32	63	100
PC board fuse		250V 5A	250V 5A	250V 5A
Fan motor thermal fuse	°C	-	-	-
Fan motor thermal protector	°C	OFF: 130 ±5 ON: 80 ±20	OFF: 130 ±5 ON: 80 ±20	OFF: 130 ±5 ON: 80 ±20

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5 Options

5 - 1 Options

FXHQ-MA

Item \ Model	FXHQ32MA	FXHQ63MA	FXHQ100MA
Drain pump kit	KDU50N60VE	KDU50N125VE	
	(AS1702444)		
Replacement long-life filter (resin net)	KAF501DA56	KAF501DA80	KAF501DA112
	(AS3601666)		
L-type piping kit (for upward direction)	KHFP5MA63	KHFP5MA160	
	(AS2302443)		

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6 Control systems

6 - 1 Control Systems

FXHQ-MA

No.	Item \ Type			FXHQ-MA
1	Remote control	Infrared	H/P	BRC7E63W
			C/O	BRC7E66
		Wired		BRC1D52 / BRC1E51A / BRC1E52A/B / BRC1D61 (7)
2	Simplified remote control			—
3	Remote control for hotel use			—
4	Adapter for wiring			KRP1B3
5-1	Wiring adapter for electrical appendices (1)			* KRP2A62
5-1	Wiring adapter for electrical appendices (2)			* KRP4A52
6	Remote sensor			KRCS01-1
7	Mounting plate for adapter PCB			KRP1C93 (Note 3)
8	Central remote control			DCS302C51 / DCS302C61 (7)
8-1	Electrical box with earth terminal (3 blocks)			KJB311A
9	Unified on/off control			DCS301B51 / DCS301B61 (7)
9-1	Electrical box with earth terminal (2 blocks)			KJB212A
9-2	Noise filter (for electromagnetic interface use only)			KEK26-1
10	Schedule timer			DST301B51 / DST301B61 (7)
11	External control adapter for outdoor unit (must be installed on indoor units)			* DTA104A62
12	Residential remote control			DCS303A51 (7)(8)

3D034600E

NOTES

1. Installation box (No. 7) is necessary for each adapter marked *.
2. Up to 2 adapters can be fixed for each intallation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box (No. 7) is necessary for second adapter.
6. Installation box (No. 7) is necessary for each adapter.
7. DAME only
8. For residential use only. Cannot be combined with other centralised control equipment.

7 Capacity tables

7 - 1 Cooling Capacity Tables

FXHQ-MA

TC: Total capacity;kW – SHC: Sensible capacity;kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
32	3.6	10.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.7	3.1
		12.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.7	3.0
		14.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.6	3.0
		16.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.6	3.0
		18.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.5	2.9
		20.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.4	2.9
		21.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.4	2.9
		23.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.2	3.0	4.3	2.8
		25.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.2	2.9	4.3	2.8
		27.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.1	2.9	4.2	2.8
		29.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.1	2.9	4.2	2.7
		31.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.0	2.8	4.1	2.7
		33.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	3.9	2.8	4.0	2.7
		35.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	3.9	2.8	4.0	2.7
		37.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.7	2.9	3.8	2.8	3.9	2.7
		39.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.7	2.9	3.8	2.7	3.8	2.6
63	7.1	10.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.3	5.6
		12.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.2	5.5
		14.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.1	5.4
		16.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.0	5.3
		18.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.8	5.3
		20.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.7	5.2
		21.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.7	5.2
		23.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.4	5.4	8.5	5.1
		25.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.3	5.4	8.4	5.1
		27.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.1	5.3	8.3	5.0
		29.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.0	5.2	8.2	5.0
		31.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	7.9	5.1	8.1	4.9
		33.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	7.8	5.1	7.9	4.9
		35.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.5	5.3	7.7	5.1	7.8	4.8
		37.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.4	5.2	7.5	5.0	7.7	4.8
		39.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.2	5.1	7.4	5.0	7.6	4.7
100	11.2	10.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.7	8.7
		12.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.5	8.5
		14.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.4	8.4
		16.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.2	8.3
		18.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.0	8.2
		20.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	13.8	8.1
		21.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	13.7	8.0
		23.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.2	8.3	13.5	7.9
		25.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.0	8.2	13.3	7.8
		27.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	12.8	8.1	13.1	7.7
		29.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	12.6	8.0	12.9	7.6
		31.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	12.4	7.9	12.7	7.6
		33.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	12.2	7.8	12.5	7.5
		35.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.8	8.1	12.1	7.7	12.3	7.4
		37.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.6	8.0	11.9	7.7	12.2	7.3
		39.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.4	7.9	11.7	7.6	12.0	7.2

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7 Capacity tables

7 - 2 Heating Capacity Tables

FXHQ-MA

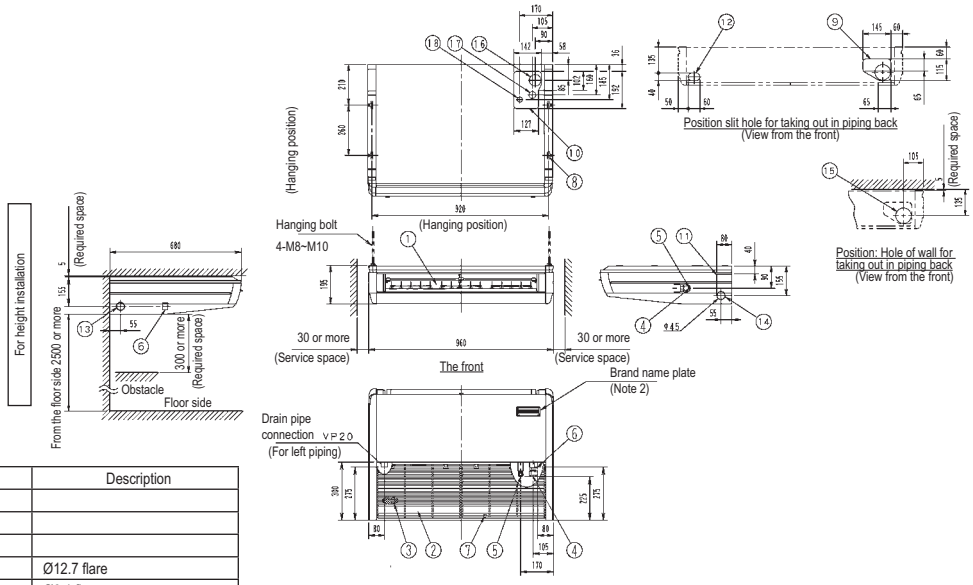
Unit Size	Nominal capacity	Outdoor air temperature		Indoor air temperature °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	kW	kW	kW	kW	kW	kW
32	4.0	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
		-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
		-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
		-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
		-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
		-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
		-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
		-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
		-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
		-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
		-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
		0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
		3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
		5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
		7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
		9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
		11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
		13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
		15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5
63	8.0	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
		-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
		-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
		-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
		-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
		-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
		-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
		-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
		-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
		-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
		-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
		0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
		3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
		5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
		7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
		9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
		11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
		13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
		15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0
100	12.5	-19.8	-20.0	7.4	7.4	7.3	7.3	7.3	7.3
		-18.8	-19.0	7.6	7.6	7.6	7.5	7.5	7.5
		-16.7	-17.0	8.0	8.0	8.0	8.0	8.0	8.0
		-14.7	-15.0	8.5	8.5	8.4	8.4	8.4	8.4
		-12.6	-13.0	8.9	8.9	8.9	8.9	8.9	8.8
		-10.5	-11.0	9.4	9.3	9.3	9.3	9.3	9.3
		-9.5	-10.0	9.6	9.6	9.5	9.5	9.5	9.5
		-8.5	-9.1	9.8	9.8	9.7	9.7	9.7	9.7
		-7.0	-7.6	10.1	10.1	10.1	10.1	10.1	10.0
		-5.0	-5.6	10.6	10.5	10.5	10.5	10.5	10.5
		-3.0	-3.7	11.0	11.0	10.9	10.9	10.9	10.9
		0.0	-0.7	11.6	11.6	11.6	11.6	11.6	10.9
		3.0	2.2	12.3	12.3	12.2	12.1	11.7	10.9
		5.0	4.1	12.7	12.7	12.5	12.1	11.7	10.9
		7.0	6.0	13.1	13.1	12.5	12.1	11.7	10.9
		9.0	7.9	13.5	13.3	12.5	12.1	11.7	10.9
		11.0	9.8	14.0	13.3	12.5	12.1	11.7	10.9
		13.0	11.8	14.1	13.3	12.5	12.1	11.7	10.9
		15.0	13.7	14.1	13.3	12.5	12.1	11.7	10.9

CA03A095

8 Dimensional drawings

8 - 1 Dimensional Drawings

FXHQ32MA



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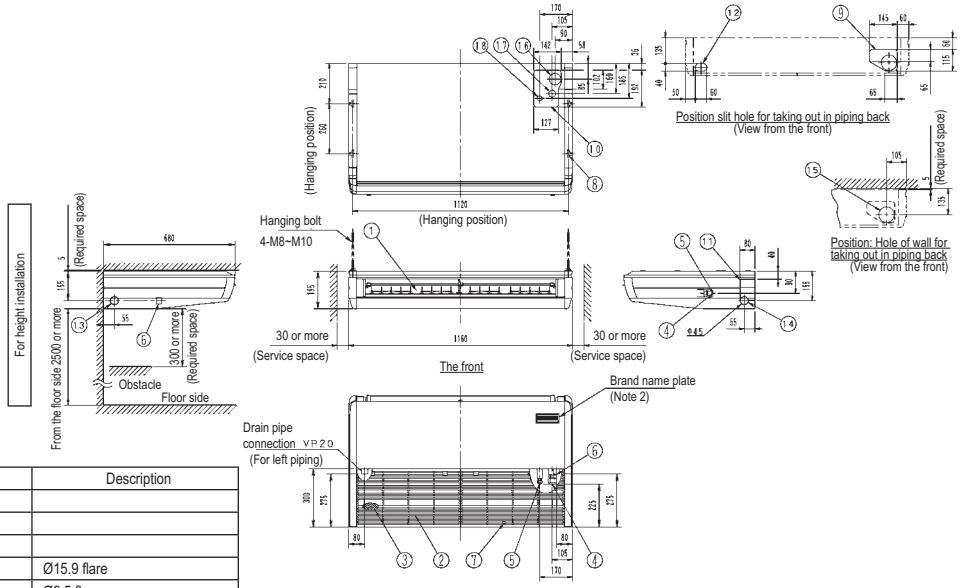
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	Ø12.7 flare
5	Liquid pipe connection	Ø6.4 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside the electric components box)	M4
8	Suspension bracket	
9	Backward piping and wiring connection opening lid	
10	Upward piping and wiring connection opening lid	
11	Right side pipe connection	Slit hole
12	Left back drain pipe connection	Slit hole
13	Left side drain pipe connection	Slit hole
14	Right side drain pipe connection	Slit hole
15	Hole of wall for taking out in piping back	Ø100
16	Upward drain pipe connection	Ø60
17	Upward gas pipe connection	Ø36
18	Upward liquid pipe connection	Ø26

NOTES

1. Location of unit's name plate: bottom of fan housing inside the suction grille.
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
3. The remote control code is the standard <about 3m outside the machine> attached.
   (0.5mm² X 2 wicks X O.D. Ø 5.4)
   (It is not attached to VRV.)

FXHQ63MA



3D038856A

Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	Ø15.9 flare
5	Liquid pipe connection	Ø9.5 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside the electric components box)	M4
8	Suspension bracket	
9	Backward piping and wiring connection opening lid	
10	Upward piping and wiring connection opening lid	
11	Right side pipe connection	Slit hole
12	Left back drain pipe connection	Slit hole
13	Left side drain pipe connection	Slit hole
14	Right side drain pipe connection	Slit hole
15	Hole of wall for taking out in piping back	Ø100
16	Upward drain pipe connection	Ø60
17	Upward gas pipe connection	Ø36
18	Upward liquid pipe connection	Ø26

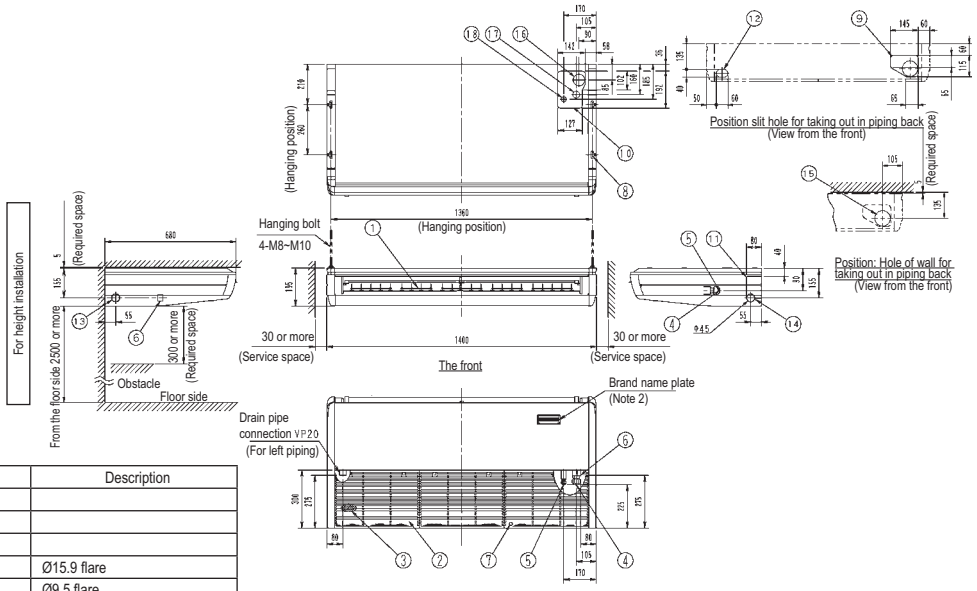
NOTES

1. Location of unit's name plate: bottom of fan housing inside the suction grille.
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
3. The remote control code is the standard <about 3m outside the machine> attached.
   (0.5mm² X 2 wicks > O.D. Ø 5.4)
   (It is not attached to VRV.)

8 Dimensional drawings

8 - 1 Dimensional Drawings

FXHQ100MA



Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	Ø15.9 flare
5	Liquid pipe connection	Ø9.5 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside the control box)	M4
8	Suspension bracket	
9	Backward piping and wiring connection opening lid	
10	Upward piping and wiring connection opening lid	
11	Right side pipe connection	Slit hole
12	Left back drain pipe connection	Slit hole
13	Left side drain pipe connection	Slit hole
14	Right side drain pipe connection	Slit hole
15	Hole of wall for taking out in piping back	Ø100
16	Upward drain pipe connection	Ø60
17	Upward gas pipe connection	Ø36
18	Upward liquid pipe connection	Ø26

3D038857C

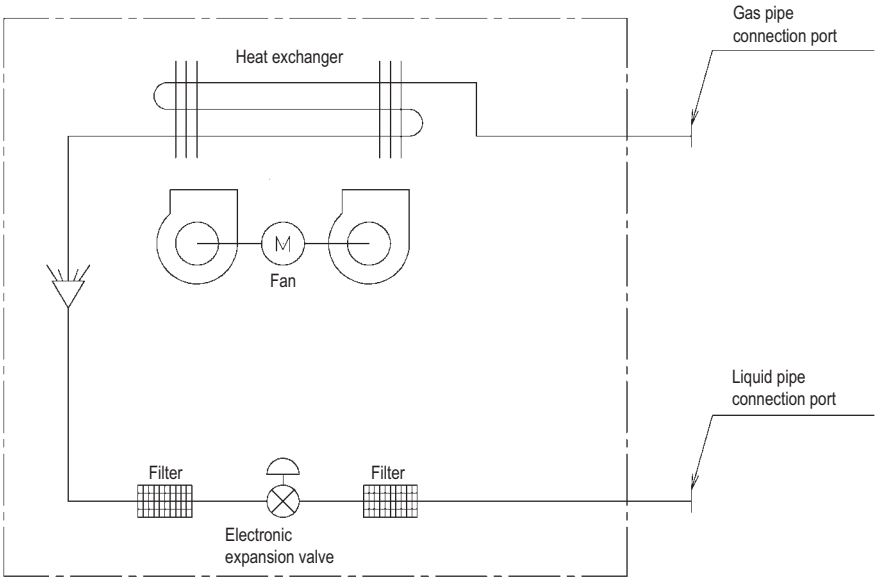
NOTES

1. Location of unit's Name plate: Bottom of fan housing inside the suction grille.
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.

9 Piping diagrams

9 - 1 Piping Diagrams

FXHQ-MA



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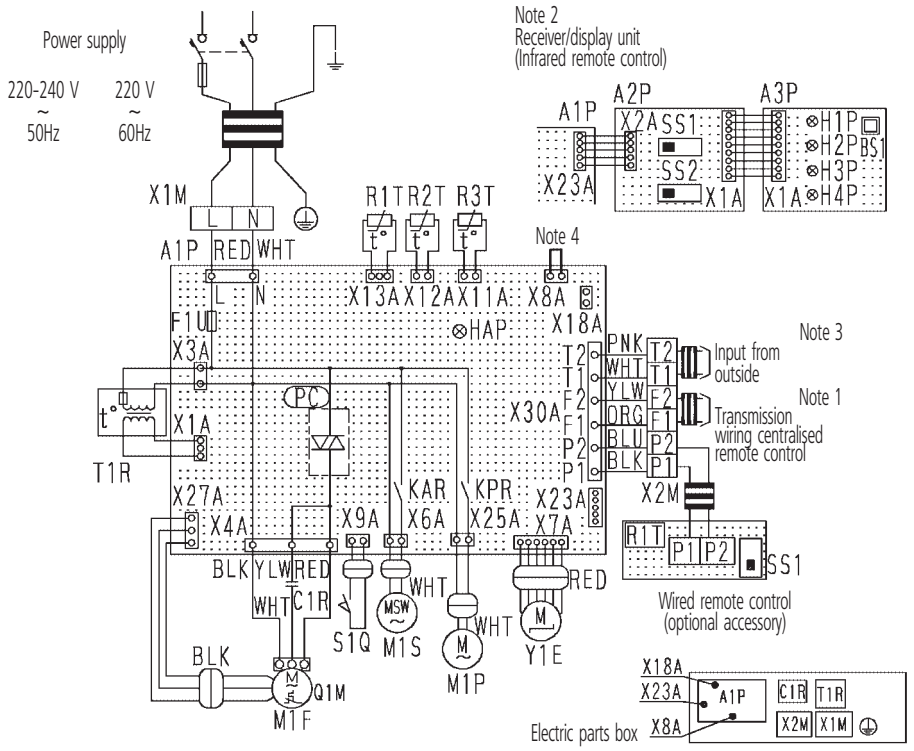
10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXHQ-MA



Indoor unit				Receiver/display unit (Attached to infrared remote control)	
A1P	Printed circuit board	T1R	Transformer (220-240V/22V)	A2P	Printed circuit board
C1R	Capacitor (M1F)	X1M	Terminal block (Power)	A3P	Printed circuit board
F1U	Fuse (Ⓑ, 5A, 250V)	X2M	Terminal block (Control)	BS1	Push button (On/off)
HAP	Light emitting diode (Service monitor-green)	Y1E	Electronic expansion valve	H1P	Light emitting diode (On red)
KAR	Magnetic relay (M1S)	PC	Phase control circuit	H2P	Light emitting diode (Timer green)
KPR	Magnetic relay (M1P)			H3P	Light emitting diode (Filter sign-red)
M1F	Motor (Indoor fan)	Optional parts		H4P	Light emitting diode (Defrost orange)
M1S	Motor (Swing flap)	M1P	Motor (Drain pump)	SS1	Selector switch (Main/sub)
Q1M	Thermo switch (M1F embedded)			SS2	Selector switch (Wireless address set)
R1T	Thermistor (Air)	Wired remote control		Connector for optional parts	
R2T	Thermistor (Coil liquid)	R1T	Thermistor (Air)	X8A	Connector (Float switch)
R3T	Thermistor (Coil gas)	SS1	Selector switch (Main/sub)	X18A	Connector (Wiring adapter for electrical appendices)
S1Q	Limit switch (Swing flap)			X23A	Connector (Infrared remote control)

: Terminal
, D– : Connector
: Short circuit connector
: Field wiring

COLORS : BLK : Black RED : Red
BLU : Blue WHT : White
ORG : Orange YLW : Yellow
PNK : Pink

NOTES

1 In case of using centralised remote control, connect it to the unit in accordance with the attached instruction manual.
2 X23A is connected when the infrared remote control kit is being used.
3 When connecting the input wires from the outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached to the unit.
4 In case of installing the drain pump, remove the short circuit connector of X8A and execute the additional wiring for float switch and drain pump.
5 Use copper conductors only.

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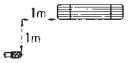
11 Sound data

11 - 1 Sound Level Data

FXHQ-MA

Model	Sound pressure level - 220V			Sound power level
	H	L	Measuring location	
FXHQ32MA	36	31		*
FXHQ63MA	39	34		*
FXHQ100MA	45	37		*

NOTES

1 Reference acoustic pressure 0 dB = 0.0002 μbar.

2 Measuring place: anechoic chamber.

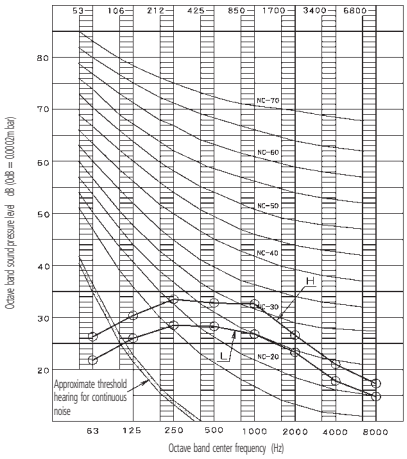
3 Operating noise differs with operation and ambient conditions.

* Data were not available at time of publication.

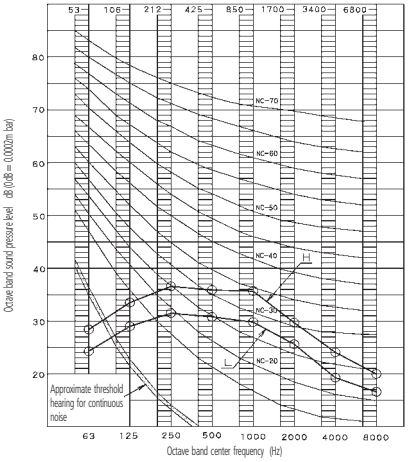
11 Sound data

11 - 2 Sound Pressure Spectrum

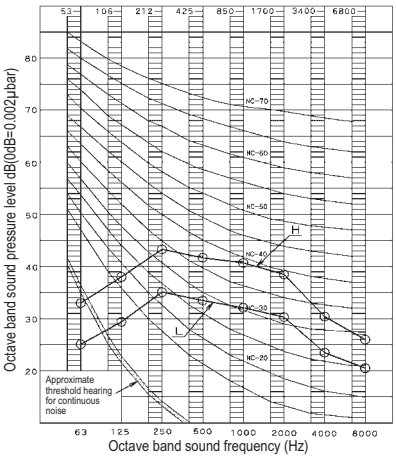
FXHQ32MA 4D035301



FXHQ63MA 4D035302



FXHQ100MA



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NOTES

Scale	Hi	Low
A	45	37
C	47	40

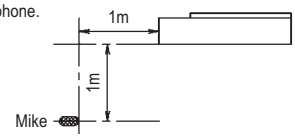
1 Over All (dB):
(B,G,N is already rectified)

2 Operating conditions:
- Power source: 220-240/220V 50/60Hz
- Cooling: Return air temperature: 27°C DB, 19°C WB
  Outdoor temperature: 35°C DB, 24°C WD
- Heating: Return air temperature: 20°C DB, 15°C WB
  Outdoor temperature: 7°C DB, 6°C WD

3 Measuring place: Anechoic chamber.

4 Operation noise differs with operation and ambient conditions.

6 Location of microphone.



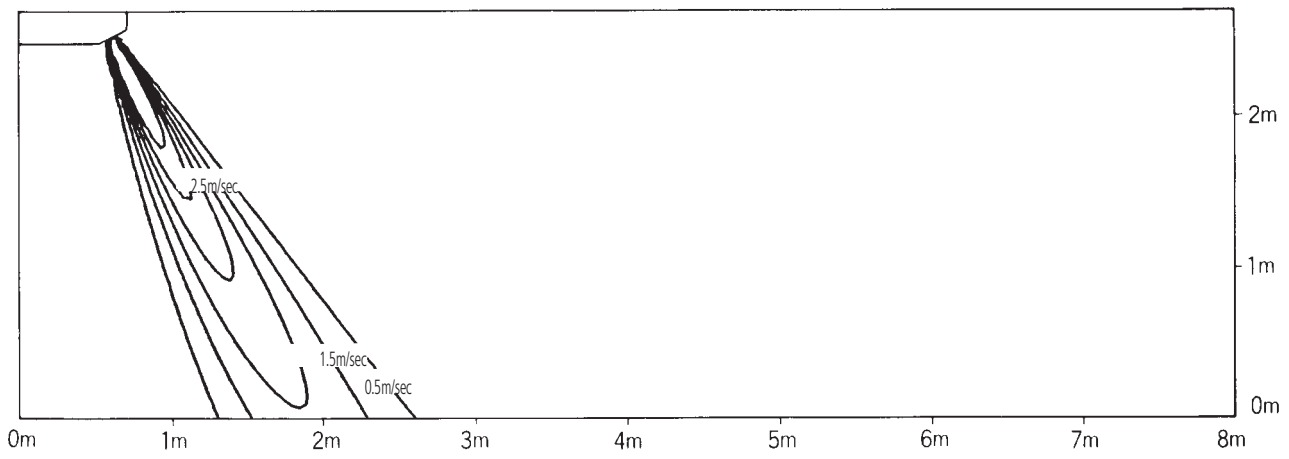
12 Air flow patterns

12 - 1 Air Flow Pattern - Heating

FXHQ100MA

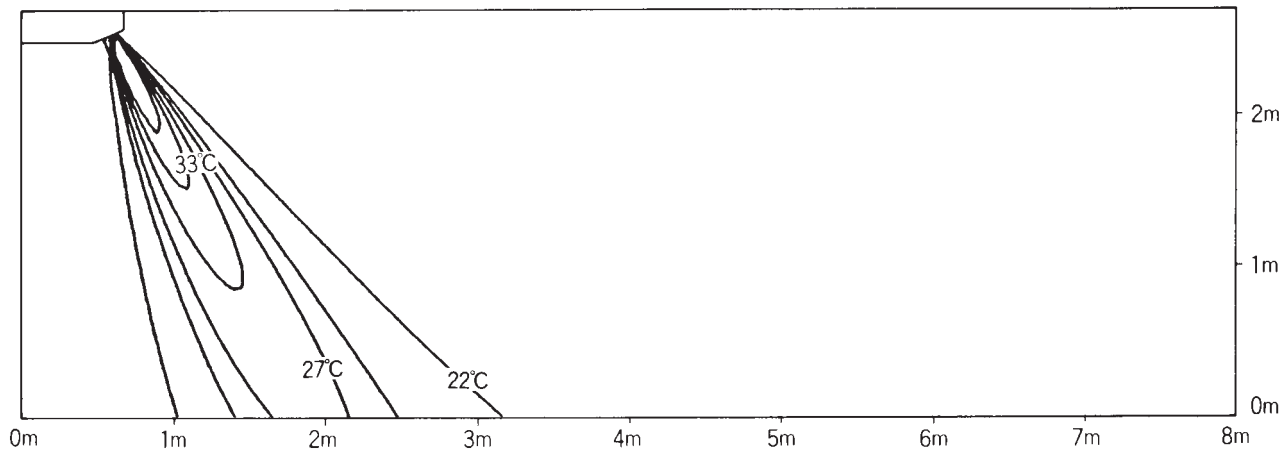
Heating Air velocity distribution

center air blow



Heating Temperature distribution

center air blow



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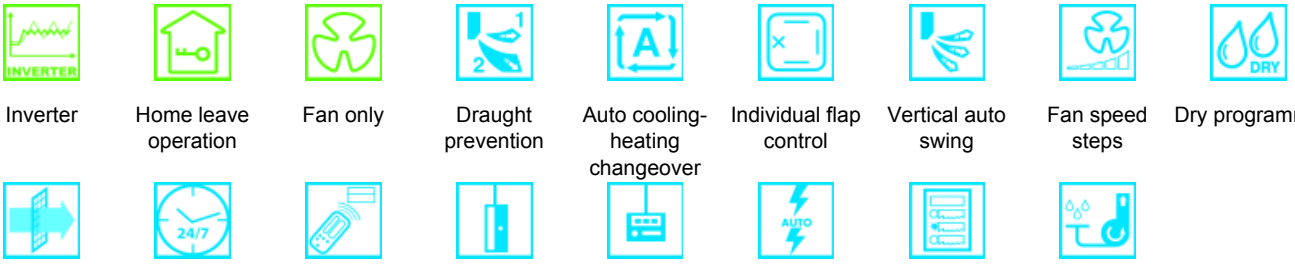
1 Features

Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Refurbishing the room? Flexibility to suit every room layout without changing the location of the unit! Via the wired remote controller you can easily control each flap individually and even close the flaps.
- Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Standard drain pump with 500mm lift increases flexibility and installation speed



Inverter | Home leave operation | Fan only | Draught prevention | Auto cooling-heating changeover | Individual flap control | Vertical auto swing | Fan speed steps | Dry programme

Air filter | Weekly timer | Infrared remote control | Wired remote control | Centralised control | Auto-restart | Self diagnosis | Drain pump kit

2 Specifications

2-1 Technical Specifications					FXUQ71A	FXUQ100A
Cooling capacity	Nom.			kW	8.0	11.2
Heating capacity	Nom.			kW	9.0	12.5
Power input - 50Hz	Cooling	Nom.		kW	0.090	0.200
	Heating	Nom.		kW	0.073	0.179
Power input - 60Hz	Cooling	Nom.		kW	0.090	0.200
	Heating	Nom.		kW	0.073	0.179
Dimensions	Unit	Height		mm	198	
		Width		mm	950	
		Depth		mm	950	
	Packed unit	Height		mm	295	
		Width		mm	1,026	
		Depth		mm	1,016	
Weight	Unit			kg	26	27
	Packed unit			kg	39	
Casing	Colour				Fresh White	
	Material				Resin	
Heat exchanger	Type				Cross fin coil (multi slit fins and HI-XA tubes)	
	Length			mm	2,413	
	Rows	Quantity			3	
	Fin pitch			mm	1.2	
	Passes	Quantity			10	
	Face area			m²	0.330	
	Stages	Quantity			10	
	Empty tubeplate hole	Quantity			0	
Fan	Type				Turbo fan	
	Quantity				1	
	Air flow rate - 50Hz	Cooling	High	m³/min	22.5	31.0
			Nom.	m³/min	19.5	26.0
			Low	m³/min	16.0	21.0
		Heating	High	m³/min	22.5	31.0
			Nom.	m³/min	19.5	26.0
			Low	m³/min	16.0	21.0
Fan motor	Model				QTS48D11M	
	Speed	Steps			3	
	Output	High		W	46	106
Air filter	Type				Resin net with mold resistance	
Sound pressure level	Cooling	High		dBA	40.0	47.0
		Nom.		dBA	38.0	44.0
		Low		dBA	36.0	40.0
	Heating	High		dBA	40.0	47.0
		Nom.		dBA	38.0	44.0
		Low		dBA	36.0	40.0
Refrigerant	Type				R-410A	
Piping connections	Liquid	Type			Flare connection	
		OD		mm	9.52	
	Gas	Type			Flare connection	
		OD		mm	15.9	
	Drain				I.D. 20/O.D. 26	
	Heat insulation				Heat resistant foamed polyethylene, regular foamed polyethylene	
Control systems	Infrared remote control				BRC7C58	
	Simplified wired remote control for hotel applications				-	
	Wired remote control				BRC1E52A/B / BRC1D52	

Standard Accessories : Operation manual;

Standard Accessories : Installation manual;

Standard Accessories : Declaration of conformity;

Standard Accessories : Drain hose;

Standard Accessories : Clamp metal;

2 Specifications

Standard Accessories : Washer for hanger bracket;
Standard Accessories : Clamps;
Standard Accessories : Washer clamp;
Standard Accessories : Joint insulating material;
Standard Accessories : Sealing material;
Standard Accessories : Elbow;
Standard Accessories : Installation pattern;
Standard Accessories : Blocking material;
Standard Accessories : L-bent piping;
Standard Accessories : Screws;
Standard Accessories : Non woven fabric;

2-2 Electrical Specifications				FXUQ71A	FXUQ100A
Power supply	Phase			1~	
	Frequency		Hz	50/60	
	Voltage		V	220-240/220-230	
Voltage range	Min.		%	10	
	Max.		%	10	
Current - 50Hz	Minimum circuit amps (MCA)		A	0.6	1.4
	Maximum fuse amps (MFA)		A	16	
	Full load amps (FLA)	Fan motor	A	0.5	1.1
Current - 60Hz	Minimum circuit amps (MCA)		A	0.6	1.4
	Maximum fuse amps (MFA)		A	16	
	Full load amps (FLA)	Fan motor	A	0.5	1.1

Notes

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 16A

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

3 Electrical data

3 - 1 Electrical Data

FXUQ-A

Units				Power supply		IFM		Input (W)	
Model	Hz	Volts	Voltage range	MCA	MFA	kW	FLA	Cooling	Heating
FXUQ71AVEB	50	220-240	Max. 264	0.6	16	0.046	0.5	90	73
FXUQ100AVEB	60	220-230	Min. 198	1.4	16	0.106	1.1	200	179

NOTES

1. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to the unit terminals is not below or above listed range limits.
2. Maximum allowable voltage unbalance between phases is 2%.
3. MCA/MFA
   MCA=1.25xFLA
   MFA≤4xFLA
   (next lower standard fuse rating, min.16A)
4. Select wiring size based on the MCA.
5. Instead of a fuse, use Circuit Breaker.

Minimum Ssc value	kVA	EN61000-3-2 is applied.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (See note 5)
kW : Fan Motor Rated Output (kW)
FLA : Full Load Amps (A)
IFM : Indoor Fan Motor

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4 Safety device settings

4 - 1 Safety Device Settings

FXUQ-A

	Safety devices		71	100
FXUQ~A	Fuse		250V 3.15A	250V 3.15A
	Fan motor thermal fuse	°C	---	---
	Fan motor thermal protector	°C	---	---

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5 Options

5 - 1 Options

FXUQ-A

Name of option	Remark		FXUQ-AVEB	
			71	100
Sealing member of air discharge outlet			KDBHP49B140	
Decoration panel for air discharge			KDBTP49B140	
Replacement long-life filter			KAFP551K160	
Remote control	Wired type		BRC1D528, BRC1E51A7, BRC1E52A7, BRC1E52B7, (BRC1E61)	
	Infrared type	Heat pump use	BRC7CB58	
		Cooling only use	BRC7CB59	
Simplified remote control (with operation mode selector button)			BRC2E52C7 (note 3)	
Simplified remote control (without operation mode selector button)			BRC3E52C7 (note 3)	
Central remote control			DCS302CA51, (DCS302CA61)	
Unified on/off controller			DCS301BA51, (DCS301BA61)	
Schedule timer			DST301BA51, (DST301BA61)	
Wiring adapter for electrical appendices			KRP4AA53 (note 1)	
Installation box for adapter PCB			KRP1BA97	
Remote sensor			KRCS01-4B	
Connector for forced on, forced off			EKRORO5	
Electrical box with earth terminal (3 blocks)			KJB311AA	
Electrical box with earth terminal (2 blocks)			KJB212AA	
Digital input adapter			BRP7A53 (note 1, 4)	

NOTES

1. Installation box for adapter PCB (KRP1BA97) is necessary.
2. Kit name in ( ) is for general overseas.
3. Included languages are:
   Language pack 1: English, German, French, Dutch, Spanish, Italian and Portuguese.
   With PC cable EKPCCAB3 in combination with the Updater PC software, you can additionally change the language to:
   Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian.
   Language pack 3: English, Greek, Polish, Russian, Serbian, Slovak and Turkish.
4. Only possible in combination with simplified remote control BRC2/3E52C7.

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXUQ-A

Cooling Capacity

TC: Total capacity; kW
SHC: Sensible heat capacity; kW

Unit size	Indoor air temp.													
	14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB	
	20 °CDB		23 °CDB		26 °CDB		27 °CDB		28 °CDB		30 °CDB		32 °CDB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
71	5.4	4.6	6.4	5.2	7.5	5.9	8.0	6.0	8.4	6.1	8.6	5.9	8.8	5.8
100	7.6	6.1	9.0	7.0	10.5	7.9	11.2	8.1	11.3	7.9	11.6	7.7	11.9	7.4

NOTES - OPMERKINGEN - REMARQUES - ANMERKUNGEN - NOTAS - NOTE - ΣΗΜΕΙΩΣΕΙΣ - NOTLAR - ПРИМЕЧАНИЯ

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2
- In the event that conditions differ due to the design requirements after system selection, actual operating ability of the indoor equipment will differ from that noted in the table because of changes in the outdoor air temperature and load factor.
- Als nadat u het systeem hebt gekozen de voorwaarden afwijken van de ontwerpvereisten, dan zal het reële bedrijfsvermogen van de binnenunit afwijken van de in de tabel vermelde gegevens, wegens de afwijkende buitenluchttemperatuur en de belastingsfactor.
- Si les exigences de conception après la sélection du système entraînent une modification des conditions, les capacités opérationnelles réelles de l'équipement intérieur diffèrent de celles indiquées dans le tableau en raison de la modification de la température de l'air extérieure et du facteur de charge.
- Falls Bedingungen aufgrund der Konstruktionsanforderungen nach der Systemauswahl abweichen, dann weicht aufgrund der Änderungen der Außenlufttemperatur und des Lastfaktors die tatsächliche Betriebsfähigkeit der Innenanlage von der in der Tabelle aufgeführten ab.
- En caso de que las condiciones difieran debido a los requisitos de diseño tras seleccionar el sistema, la capacidad de funcionamiento real del equipo interior diferirá de la que se muestra en la tabla debido a los cambios de la temperatura de aire exterior y al factor de carga.
- Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
- Στην περίπτωση που οι συνθήκες διαφέρουν λόγω των απαιτήσεων σχεδιασμού μετά την επιλογή συστήματος, η πραγματική δυνατότητα του εσωτερικού εξοπλισμού θα διαφέρει από την αναφερόμενη στον πίνακα, λόγω των αλλαγών στην εξωτερική θερμοκρασία αέρα και στο συντελεστή φορτίου.
- Sistem seçiminden sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipmanın gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
- В случае, если реальные условия отличаются от проектных условий работы, используемых при выборе системы, фактические характеристики устанавливаемого в помещении оборудования будут отличаться от указанных в таблице вследствие изменения температуры воздуха снаружи и показателя нагрузки.

3
- In this case, use the ability table for the indoor equipment selected and correct for the ratio of change in ability.
- Gebruik in dat geval de vermogenstabel van de gekozen binneninstallatie en kies het juiste vermogen.
- Le cas échéant, utiliser le tableau de capacité de l'équipement intérieur sélectionner et corriger le rapport de modification de capacité.
- Verwenden Sie in diesem Fall die Fähigkeit für die ausgewählte Innenanlage und korrigieren Sie das Verhältnis der Änderung in der Fähigkeit.
- En este caso, utilice la tabla de capacidades del equipo interior seleccionado y corrija la relación de cambio en capacidad.
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6 Capacity tables

6 - 2 Heating Capacity Tables

FXUQ-A

Heating Capacity

Unit size	Indoor air temp. °CDB					
	16.0	18.0	20.0	21.0	22.0	24.0
	kW	kW	kW	kW	kW	kW
71	9.5	9.4	9.0	8.7	8.4	7.9
100	13.1	13.1	12.5	12.1	11.7	10.9

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7 Dimensional drawings

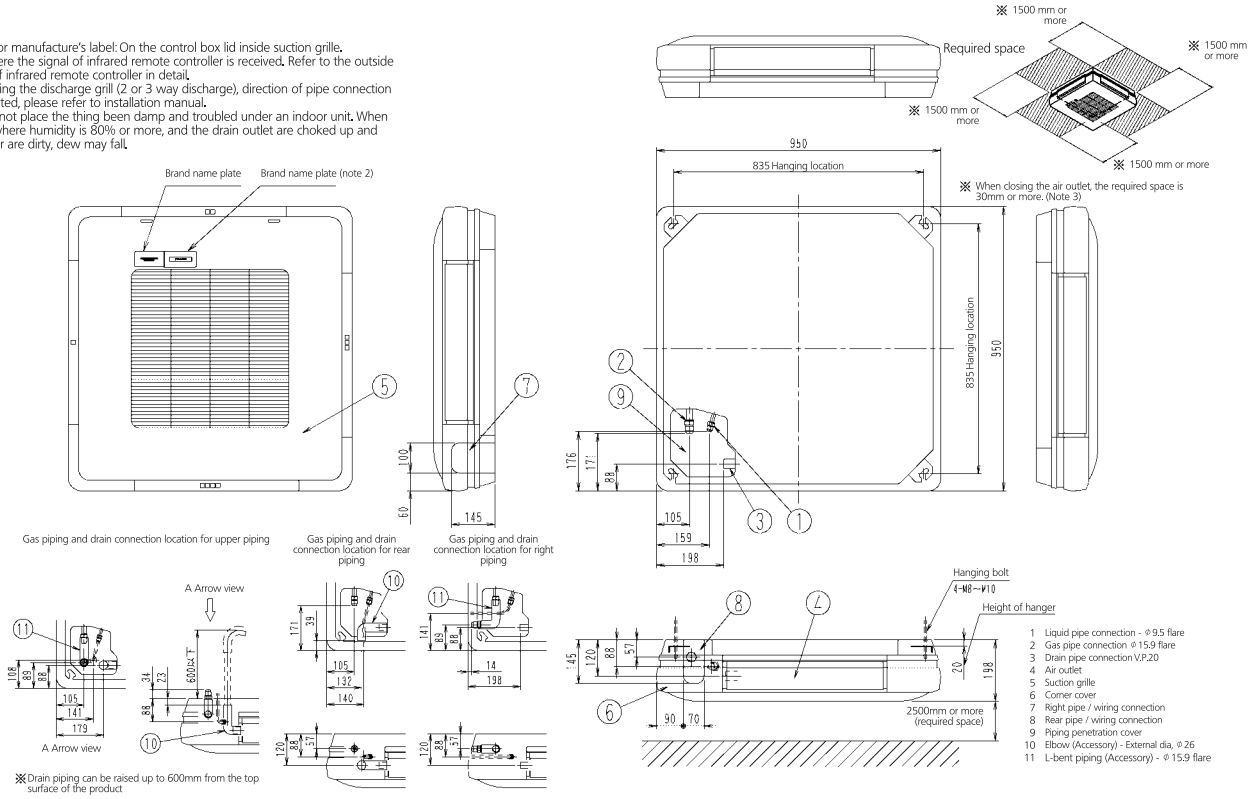
7 - 1 Dimensional Drawings

FXUQ-A

Note:

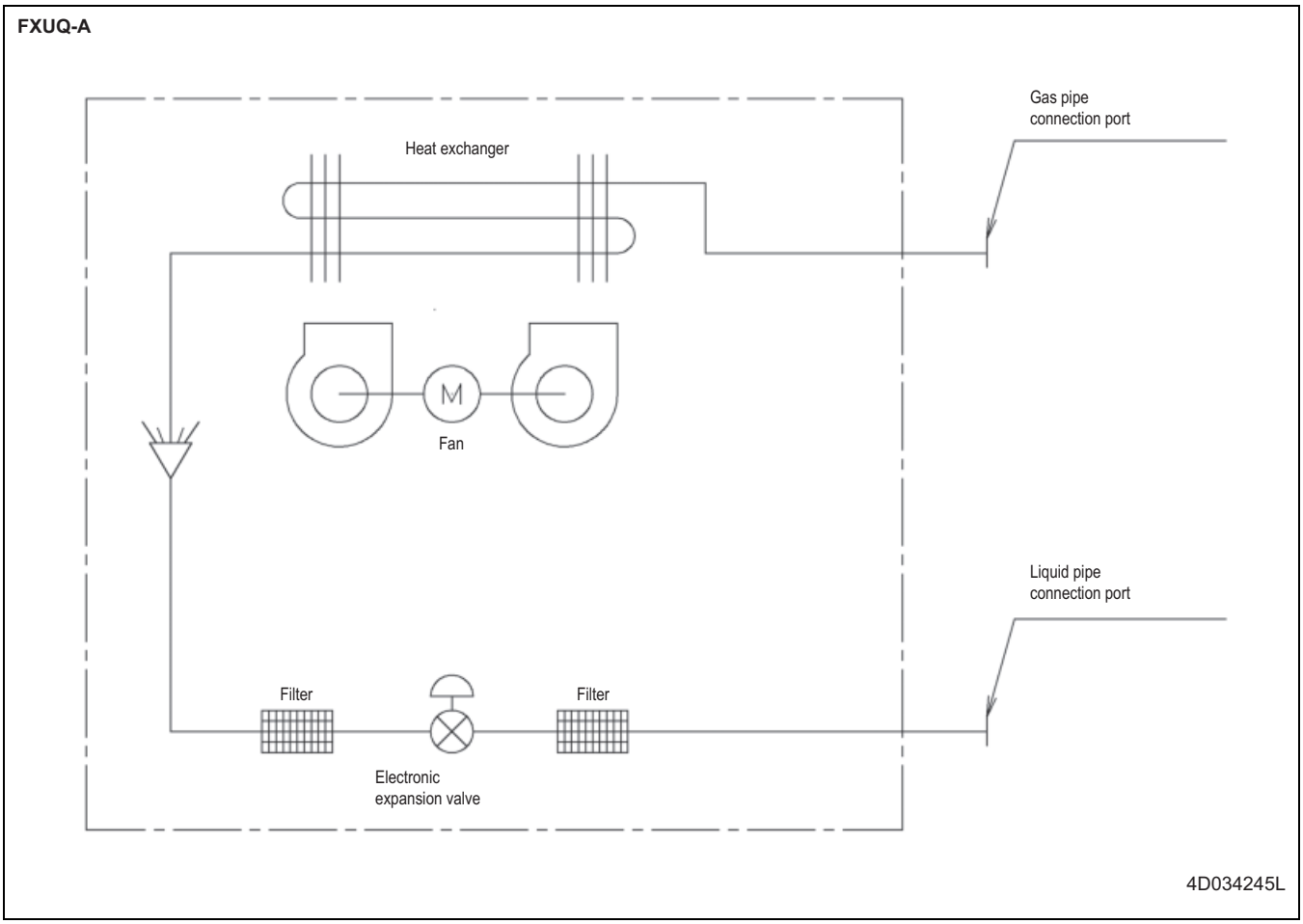
1. Location for manufacture's label: On the control box lid inside suction grille.
2. This is where the signal of infrared remote controller is received. Refer to the outside drawing of infrared remote controller in detail.
3. When closing the discharge grill (2 or 3 way discharge), direction of pipe connection will be limited, please refer to installation manual.
4. Please do not place the thing been damp and troubled under an indoor unit. When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

(Unit: mm)



8 Piping diagrams

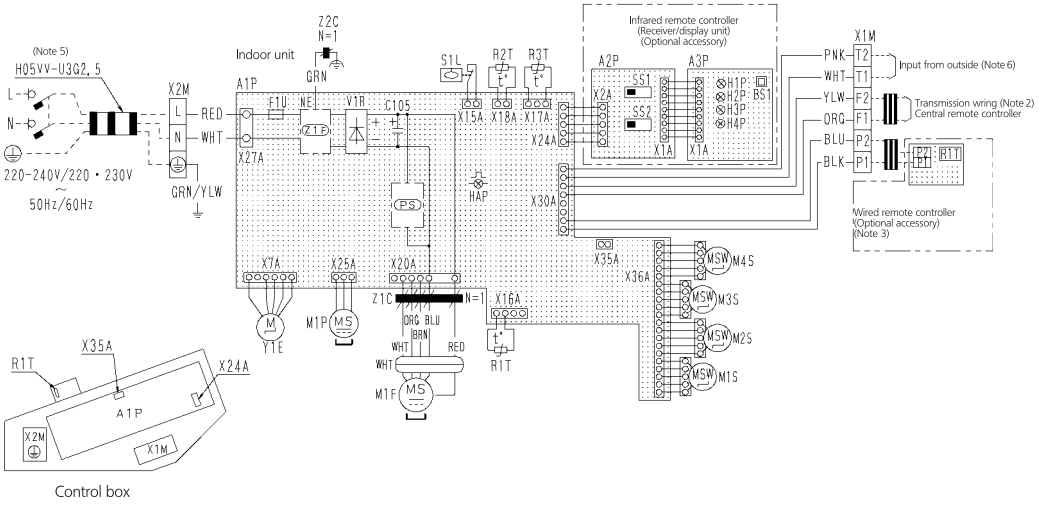
8 - 1 Piping Diagrams



9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXUQ-A



Indoor unit	
A1P	Printed circuit board
C105	Capacitor (M1F)
F1U	Fuse (T3.15A, 250V)
HAP	Flashing lamp (service monitor-green)
M1F	Motor (indoor fan)
M1P	Motor (drain pump)
M1S•M2S M3S•M4S	Motor (swing blade)
R1T	Thermistor (air)
R2T•R3T	Thermistor (coil)
S1L	Float switch
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Y1E	Electronic expansion valve
Z1F	Noise filter
Z1C	Ferrite core
Z2C	Ferrite core
PS	Power supply circuit
Infrared remote controller (Receiver/display unit)	
A2P	Printed circuit board
A3P	Printed circuit board
BS1	Push button (on/off)
H1P	Pilot lamp (on-red)
H2P	Pilot lamp (timer-green)
H3P	Pilot lamp (filter sign-red)
H4P	Pilot lamp (defrost-orange)
SS1	Selector switch (main/sub)
SS2	Selector switch (infrared address set)
Wired remote controller	
R1T	Thermistor (air)
Connector for optional parts	
X24A	Connector (Infrared remote controller)
X35A	Connector (Power supply for adapter)

Notes

1. ▭ : Terminal block ▣ , ⎍ : Connector, ▮▮▮ : Field wiring
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. In case of main/sub overchange, see the installation manual attached to remote controller.
4. Symbols show as follows: BLK:Black RED:Red BLU:Blue WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink.
5. Shows only in case of protected pipes, use HO7RN-F in case of no protection.
6. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. See installation manual for more details.

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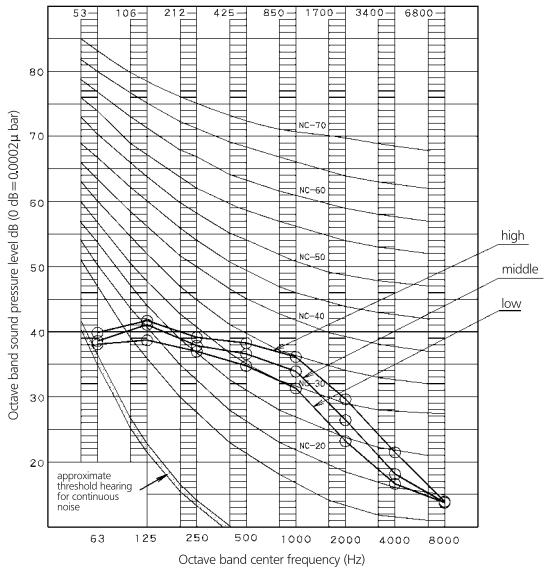
10 Sound data

10 - 1 Sound Pressure Spectrum

FXUQ71A



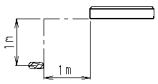
NOTES

1 Overall (dB)

Scale	Mode		
	high	middle	low
A	40.0	38.0	36.0
C	46.1	44.9	43.3

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber
3 Operation noise differs with operation and ambient conditions.
4 Operating conditions: Power source: 220-240V 50Hz/220•230V 60Hz
5 Cooling: Return air temperature: 27°CDB, 19°CWB
Outdoor temperature: 35°CDB, 24°CWB
6 Heating: Return air temperature: 20°CDB, 15°CWB
Outdoor temperature: 7°CDB, 6°CWB
7 Location of microphone



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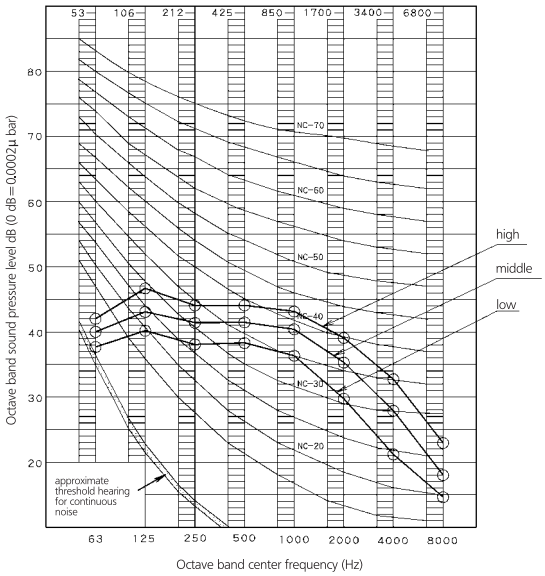
FXUQ100A



NOTES

1 Overall (dB)

Scale	Mode		
	high	middle	low
A	47.0	44.0	40.0
C	51.2	48.4	45.2

(B,G,N is already rectified)

2 Measuring place: Anechoic chamber
3 Operation noise differs with operation and ambient conditions.
4 Operating conditions: Power source: 220-240V 50Hz/220•230V 60Hz
5 Cooling: Return air temperature: 27°CDB, 19°CWB
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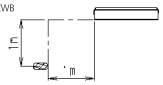

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1 Features

For perimeter zone air conditioning

- Unit can be installed as free standing model by use of optional back plate
- Its low height enables the unit to fit perfectly beneath a window
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Requires very little installation space
- Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate
- Wired remote control can easily be integrated in the unit

Inverter

Home leave operation

Fan only

Auto cooling-heating changeover

Fan speed steps

Dry programme

Air filter

Weekly timer

Infrared remote control

Wired remote control

Centralised control

Auto-restart

Self diagnosis

Multi tenant

2 Specifications

2-1 Technical Specifications					FXLQ20P	FXLQ25P	FXLQ32P	FXLQ40P	FXLQ50P	FXLQ63P
Cooling capacity	Nom.			kW	2.2 (1)	2.8 (1)	3.6 (1)	4.5 (1)	5.6 (1)	7.1 (1)
Heating capacity	Nom.			kW	2.5 (2)	3.2 (2)	4.0 (2)	5.0 (2)	6.3 (2)	8.000 (2)
Power input - 50Hz	Cooling	Nom.		kW	0.049 (1)		0.090 (1)		0.110 (1)	
	Heating	Nom.		kW	0.049 (2)		0.090 (2)		0.110 (2)	
Power input - 60Hz	Cooling	Nom.		kW	0.047 (1)		0.079 (1)	0.084 (1)	0.105 (1)	0.108 (1)
	Heating	Nom.		kW	0.047 (2)		0.079 (2)	0.084 (2)	0.105 (2)	0.108 (2)
Dimensions	Unit	Height		mm	600					
		Width		mm	1,000		1,140		1,420	
		Depth		mm	232					
	Packed unit	Height		mm	720					
		Width		mm	1,128		1,268		1,548	
		Depth		mm	346					
Weight	Unit			kg	27		32		38	
	Packed unit			kg	32		37		43	
Casing	Colour				Fresh white (RAL9010) / Dark grey (RAL7011)					
Heat exchanger	Rows	Quantity			3					
	Fin pitch			mm	1.5					
	Face area			m²	0.159		0.200		0.282	
	Stages	Quantity			14					
	Fin	Type			Cross fin coil					
Fan	Type				Sirocco fan					
	Air flow rate - 50Hz	Cooling	High	m³/min	7		8	11	14	16
			Low	m³/min	6			8.5	11	12
	Air flow rate - 60Hz	Cooling	High	m³/min	7		8	11	14	16
			Low	m³/min	6			8.5	11	12
Fan motor	Output	High		W	15		25		35	
	Drive				Direct drive					
Air filter	Type				Resin net					
Sound pressure level	Cooling	High		dBA	35			38	39	40
		Low		dBA	32			33	34	35
	Heating	High		dBA	35			38	39	40
		Low		dBA	32			33	34	35
Refrigerant	Type				R-410A					
	Control				Electronic expansion valve					
Piping connections	Liquid	Type			Flare connection					
		OD		mm	6.35					9.52
	Gas	Type			Flare connection					
		OD		mm	12.7					15.9
	Drain				O.D. 21 (Vinyl chloride)					
	Heat insulation				Glass Fiber/Urethane Foam					
	Sound absorbing insulation				Glass fiber / Urethane foam					
Temperature control					Microprocessor thermostat for cooling and heating					
Safety devices	Item	01			Fuse					
		02			Fan motor thermal protection					
Control systems	Infrared remote control				BRC4C65					
	Simplified wired remote control for hotel applications				BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)					
	Wired remote control				BRC1D52 / BRC1E52A/B					

2-2 Electrical Specifications			FXLQ20P	FXLQ25P	FXLQ32P	FXLQ40P	FXLQ50P	FXLQ63P
Power supply	Name		VE					
	Phase		1~					
	Frequency	Hz	50/60					
	Voltage	V	220-240/220					
Voltage range	Min.	%	-10					
	Max.	%	10					

2 Specifications

2-2 Electrical Specifications				FXLQ20P	FXLQ25P	FXLQ32P	FXLQ40P	FXLQ50P	FXLQ63P
Current - 50Hz	Minimum circuit amps (MCA)		A	0.3		0.6			
	Maximum fuse amps (MFA)		A	15					
	Full load amps (FLA)	Total	A	0.2		0.5			
Current - 60Hz	Minimum circuit amps (MCA)		A	0.3		0.5		0.6	
	Maximum fuse amps (MFA)		A	15					
	Full load amps (FLA)	Total	A	0.2		0.4		0.5	

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m (horizontal)

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m (horizontal)

Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

MCA/MFA: MCA = 1.25 x FLA

MFA ≤ 4 x FLA

Next lower standard fuse rating minimum 15A

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

3 Safety device settings

3 - 1 Safety Device Settings

FXLQ-P

		FXLQ20P	FXLQ25P	FXLQ32P	FXLQ40P	FXLQ50P	FXLQ63P
PC BOARD FUSE		250V 5A					
FAN MOTOR THERMAL PROTECTOR	°C	OFF: $135^{\pm 10}$ / ON: 120 or less					

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4 Options

4 - 1 Options

FXLQ-P

Item / Type			FXLQ20,25P2	FXLQ32,40P2	FXLQ50,63P2
Remote control	Wired type		BRC1D52 / BRC1E51A*2 BRC1E52A7 *3 / BRC1E52B7 *4		
	Infrared type	HP	BRC4C65		
		CO	BRC4C66		
Simplified remote control (with operation mode selector button)			BRC2E52C *5		
Simplified remote control (without operation mode selector button)			BRC3E52C *5		
Remote control for hotel use			BRC3A61		
Adapter for wiring			KRP1B61		
Wiring adapter for electrical appendices (1)			KRP2A51		
Wiring adapter for electrical appendices (2)			KRP4A51		
Remote sensor			KRCS01-1		
Central remote control			DCS302B51		
Electrical box with earth terminal (3 blocks)			KJB311A		
Unified ON/OFF controller			DCS301BA51		
Electrical box with earth terminal (2 blocks)			KJB212A		
Noise filter (for electromagnetic interface use only)			KEK26-1		
Schedule timer			DST301BA51		
External adapter for outdoor unit (installation on indoor unit)			DTA104A61		
Long life replacement filter			KAFJ361K28	KAFJ361K45	KAFJ361K71
Rear decoration panel			EKRDP25A9	EKRDP40A9	EKRDP63A9
Multi tenant *1			EKMTAC		
Digital input adapter			BRP7A51 *6, *7		

NOTES

*1. This kit contains parts to connect with 10 multi tenant indoor units
*2. Included languages are: English, German, French, Dutch, Spanish, Italian, Greek, Portuguese, Russian and Turkish
*3. Included languages are: English, German, French, Dutch, Spanish, Italian, Greek, Portuguese, Russian, Turkish and Polish
*4. Included languages are: English, German, Albanian, Bulgarian, Croatian, Czech, Hungarian, Romanian, Serbian, Slovak and Slovenian
*5. Included languages are:
Language pack 1: English, German, French, Dutch, Spanish, Italian and Portuguese.
With PC cable EKPCCAB3 in combination with the updater PC software, you can additionally change the language to:
Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian.
Language pack 3: English, Greek, Polish, Russian, Serbian, Slovak and Turkish.
*6. Only possible in combination with simplified remote control BRC/3E52C.
*7. Requires installation box for adapter PCB.

4D082403A

5 Capacity tables

5 - 1 Cooling Capacity Tables

FXLQ-P

TC: Total capacity; kW
SHC: Sensible heat capacity; kW

Unit size	Indoor air temp.													
	14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB	
	20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.6	2.4	1.5
25	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.0	2.0	3.1	1.9
32	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.5	3.9	2.4	4.0	2.3
40	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.7	3.2	4.9	3.1	5.0	2.9
50	3.8	3.0	4.5	3.4	5.2	3.8	5.6	3.9	5.9	4.0	6.0	3.8	6.2	3.6
63	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.5	4.9	7.7	4.7	7.8	4.3

CA03A095

5 Capacity tables

5 - 2 Heating Capacity Tables

FXLQ-P

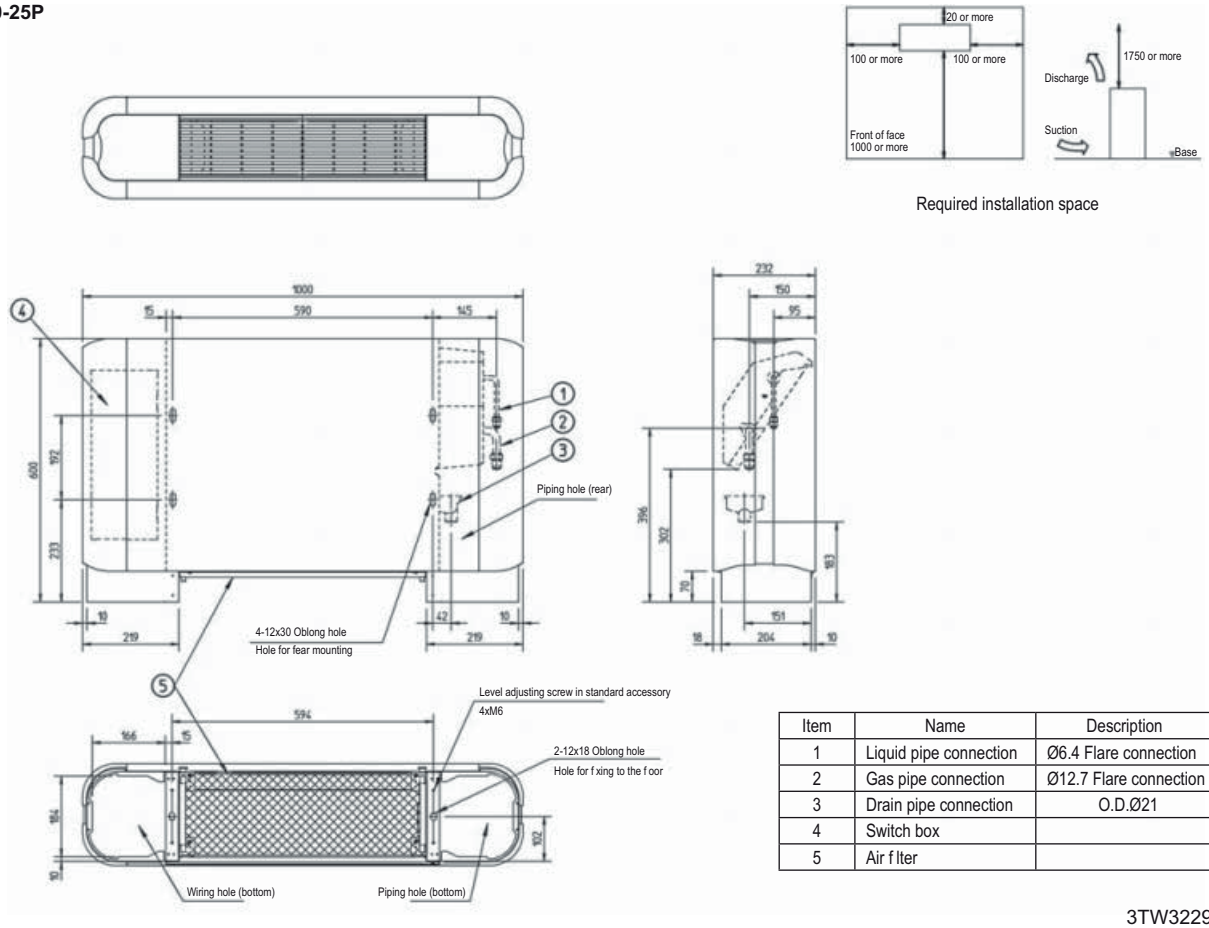
Unit size	Indoor air temp. °CDB					
	16.0	18.0	20.0	21.0	22.0	24.0
	kW	kW	kW	kW	kW	kW
20	2.6	2.6	2.5	2.4	2.3	2.2
25	3.4	3.4	3.2	3.1	3.0	2.8
32	4.2	4.2	4.0	3.9	3.7	3.5
40	5.2	5.2	5.0	4.8	4.7	4.4
50	6.6	6.6	6.3	6.1	5.9	5.5
63	8.4	8.4	8.0	7.7	7.5	7.0

CA03A095

6 Dimensional drawings

6 - 1 Dimensional Drawings

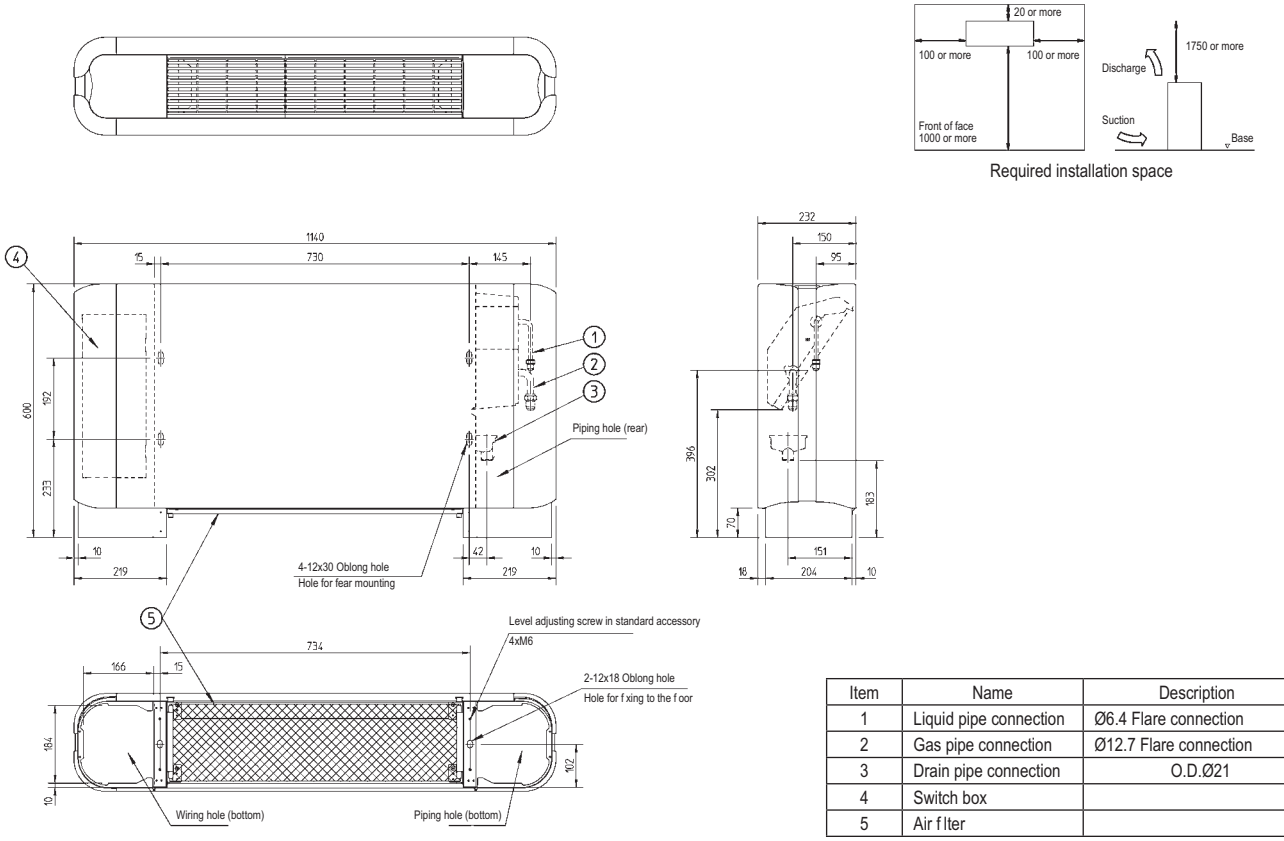
FXLQ20-25P



Item	Name	Description
1	Liquid pipe connection	Ø6.4 Flare connection
2	Gas pipe connection	Ø12.7 Flare connection
3	Drain pipe connection	O.D.Ø21
4	Switch box	
5	Air f lter	

3TW32294-1

FXLQ32-40P



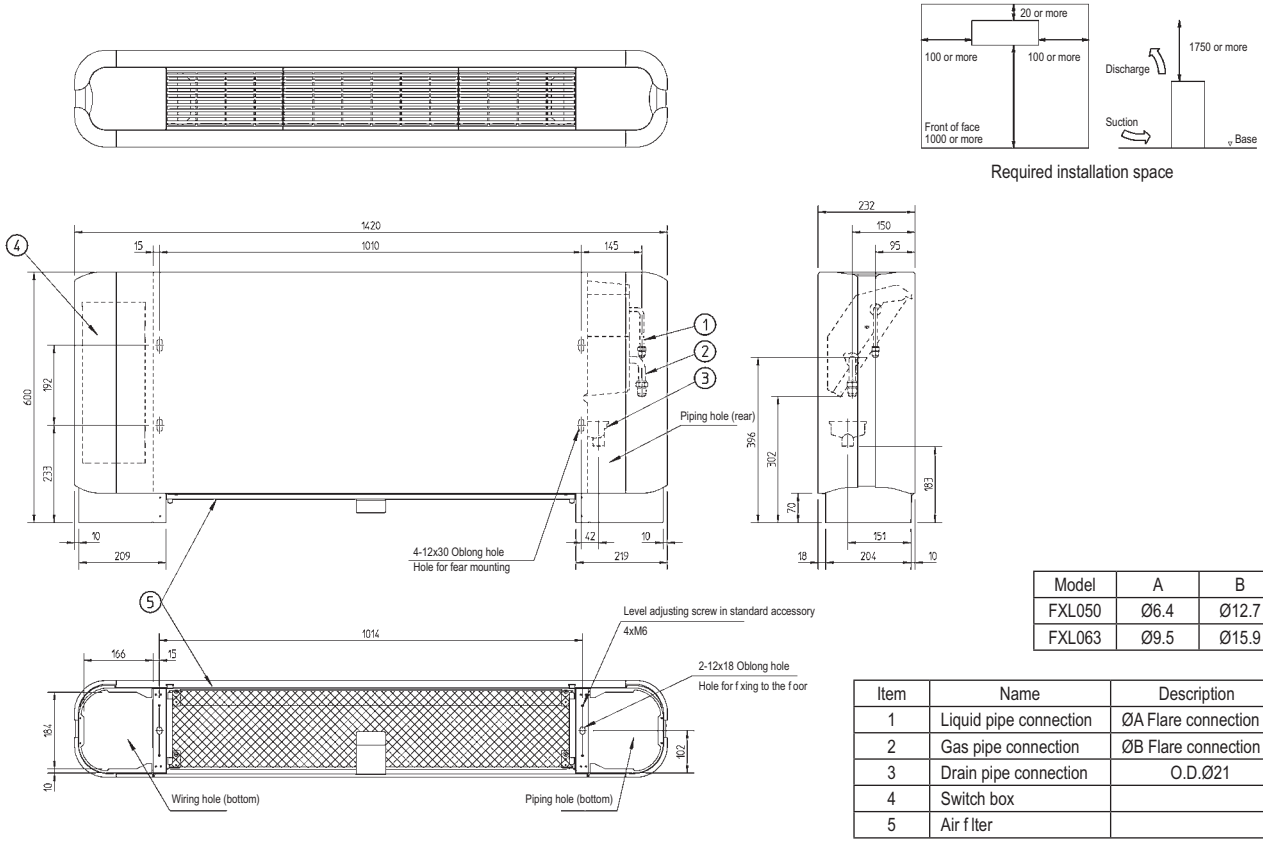
Item	Name	Description
1	Liquid pipe connection	Ø6.4 Flare connection
2	Gas pipe connection	Ø12.7 Flare connection
3	Drain pipe connection	O.D.Ø21
4	Switch box	
5	Air f lter	

3TW32314-1

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXLQ50-63P



Model	A	B
FXL050	Ø6.4	Ø12.7
FXL063	Ø9.5	Ø15.9

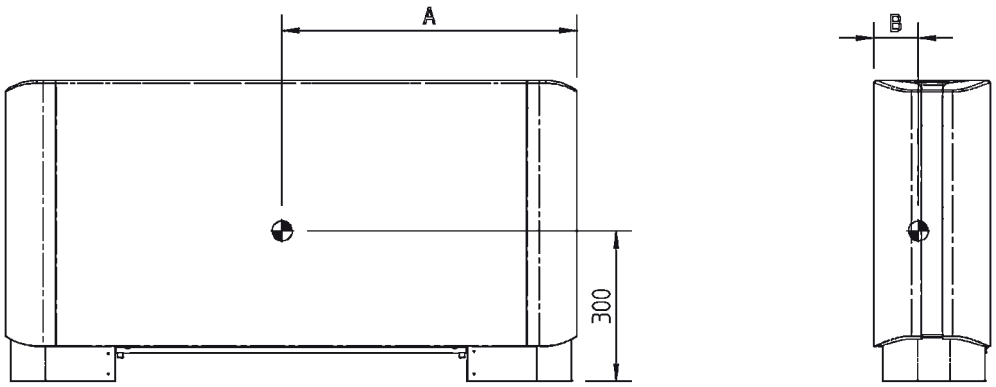
Item	Name	Description
1	Liquid pipe connection	ØA Flare connection
2	Gas pipe connection	ØB Flare connection
3	Drain pipe connection	O.D.Ø21
4	Switch box	
5	Air f lter	

3TW32334-1

7 Centre of gravity

7 - 1 Centre of Gravity

FXLQ-P



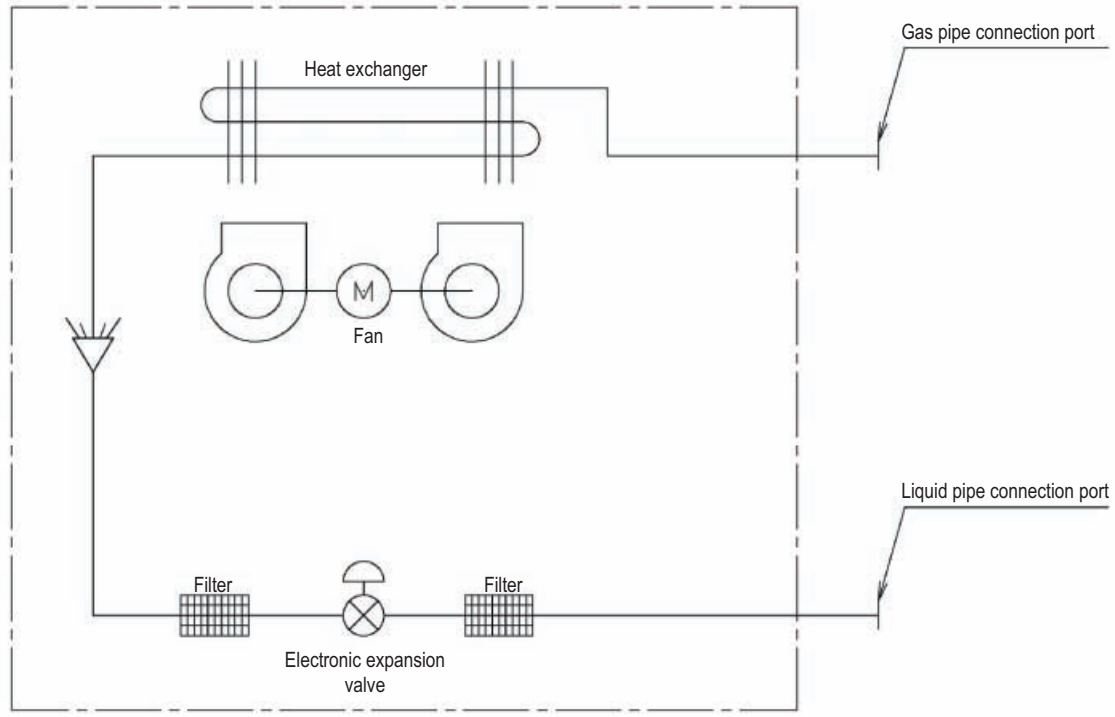
Model	A	B
FXLQ 20, 25 P	500	81
FXLQ 32, 40 P	588	89
FXLQ 50, 63 P	728	99

4TW32299-2

8 Piping diagrams

8 - 1 Piping Diagrams

FXLQ-P

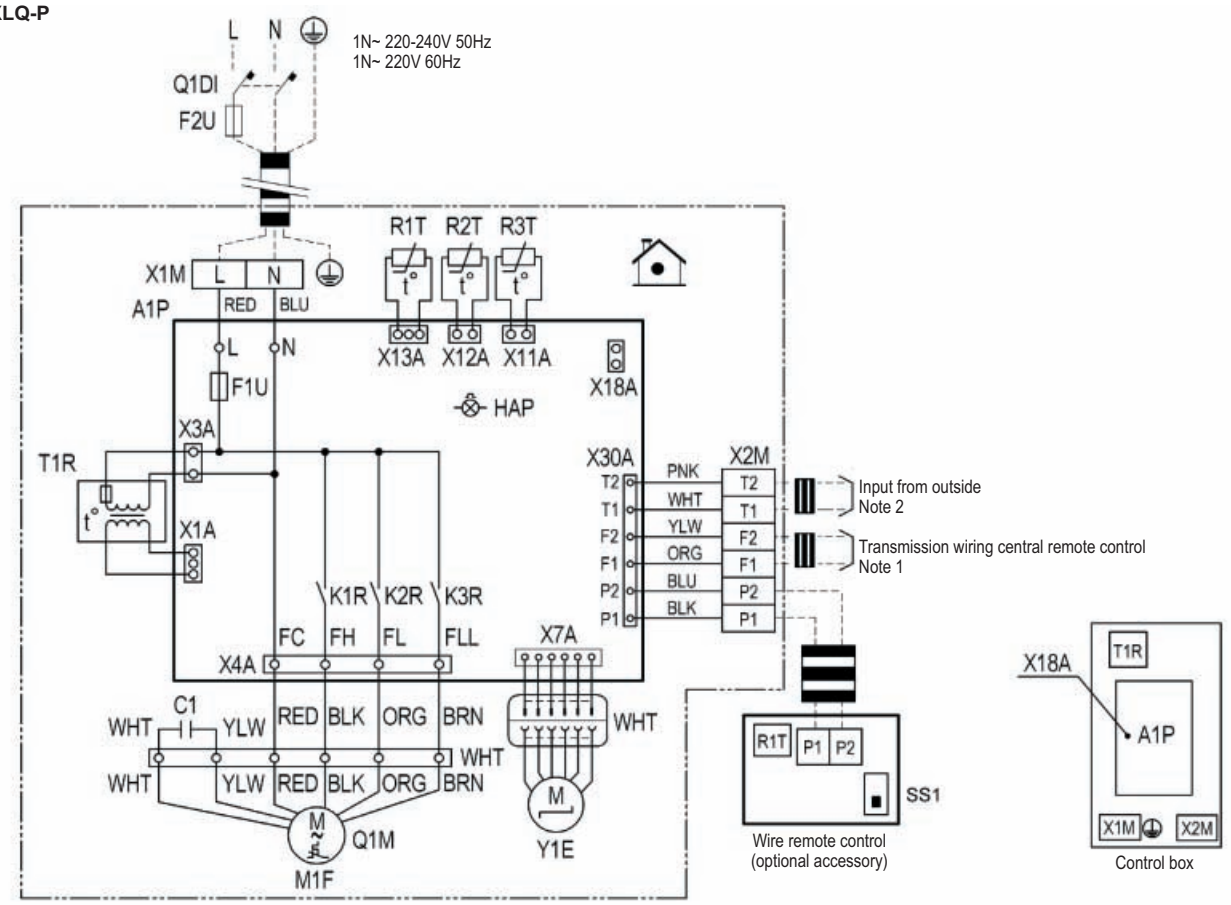


4D034245L

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXLQ-P



Indoor unit	
A1P	Printed circuit board
C1	Capacitor (M1F)
F1U	Fuse (B , 5A, 250V)
F2U	Field Fuse
HAP	Light emitting diode (service monitor green)
K1R-K3R	Magnetic relay (M1F)
M1F	Motor (indoor fan)
Q1M	Thermo switch (M1F embedded)
Q1DI	Earth Leak Detector
R1T	Thermistor (air)
R2T-R3T	Thermistor (coil)
T1R	Transformer (220-240V/22V)
X1M	Terminal block (power supply)
X2M	Terminal block (control)
Y1E	Electronic expansion valve
Wired remote control	
R1T	Thermistor (air)
SS1	Select switch (main/sub)
Connector optional accessory	
X18A	Connector (wiring adapter for electrical appendices)

Colors	
BLK	: Black
BLU	: Blue
BRN	: Brown
ORG	: Orange
PNK	: Pink
RED	: Red
WHT	: White
YLW	: Yellow

2D077874

NOTES

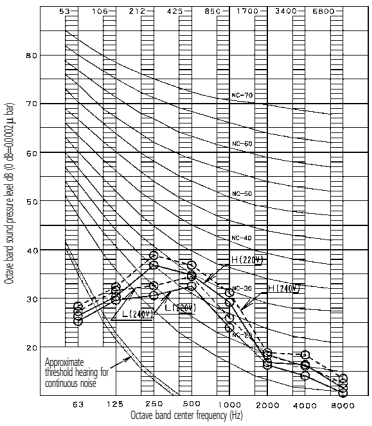
1. When using the central remote control see manual for connection to the unit.
2. When connecting the input wires from outside, forced “OFF” or “ON/OFF” operation can be selected by the remote control. See installation manual for more details.
3. Use copper conductors only.

: Terminal block
: Connector
: Field wiring
: Terminal
L : Live
: Protective earth (screw)
N : Neutral
: Connector

10 Sound data

10 - 1 Sound Pressure Spectrum

FXLQ20,25P 4D034528A



NOTES

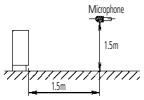
1 Over all (dB):
(B, G, N is already rectified)

Scale	220V		240V	
	H	L	H	L
A	35	32	37	34
C	40	36.5	42	38.5

2 Measuring place: Anechoic chamber

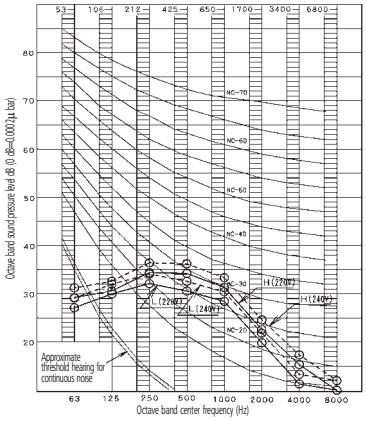
3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard

4 Location of microphone



5 Operating noise differs with operation and ambient conditions.

FXLQ32P 4D034564A



NOTES

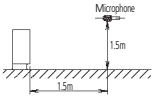
1 Over all (dB):
(B, G, N is already rectified)

Scale	220V		240V	
	H	L	H	L
A	35	32	37	34
C	39	37	41	39

2 Measuring place: Anechoic chamber

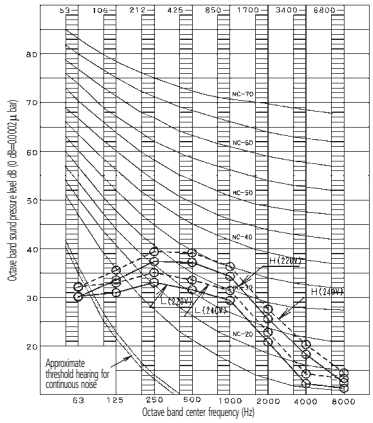
3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard

4 Location of microphone



5 Operating noise differs with operation and ambient conditions.

FXLQ40P 4D034565A



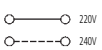
NOTES

1 Over all (dB):
(B, G, N is already rectified)

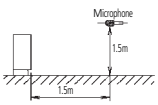
Scale	220V		240V	
	H	L	H	L
A	38	33	40	35
C	42	38	44	40

2 Measuring place: Anechoic chamber

3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard

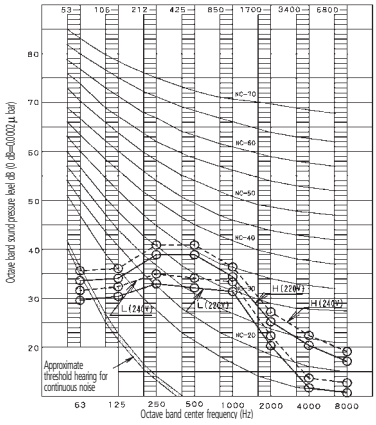


4 Location of microphone



5 Operating noise differs with operation and ambient conditions.

FXLQ50P 4D034566A



NOTES

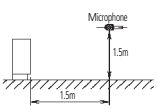
1 Over all (dB):
(B, G, N is already rectified)

Scale	220V		240V	
	H	L	H	L
A	39	34	41	36
C	44	38.5	46	40.5

2 Measuring place: Anechoic chamber

3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard

4 Location of microphone

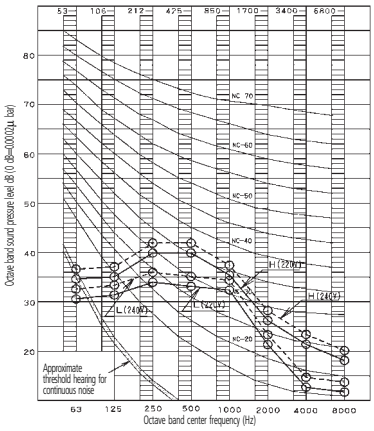


5 Operating noise differs with operation and ambient conditions.

10 Sound data

10 - 1 Sound Pressure Spectrum

FXLQ63P 4D034567A



NOTES

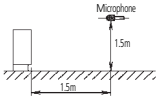
1 Over all (dB):
(B, G, N is already rectified)

Scale	220V		240V	
	H	L	H	L
A	40	35	42	37
C	45	39.5	47	41.5

2 Measuring place: Anechoic chamber

3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard

4 Location of microphone



5 Operating noise differs with operation and ambient conditions.

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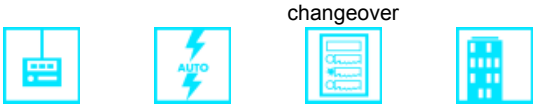
1 Features

Designed to be concealed in walls

- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Requires very little installation space as the depth is only 200mm
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- High ESP allows flexible installation

Home leave operation | Fan only | Auto cooling-heating changeover | Fan speed steps | Dry programme | Air filter | Weekly timer | Infrared remote control | Wired remote control



Centralised control | Auto-restart | Self diagnosis | Multi tenant

2 Specifications

2-1 Technical Specifications					FXNQ20A	FXNQ25A	FXNQ32A	FXNQ40A	FXNQ50A	FXNQ63A
Cooling capacity	Nom.			kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.			kW	2.5	3.2	4.0	5.0	6.3	8.00
Power input - 50Hz	Cooling	Nom.		kW	0.071			0.078	0.099	0.110
	Heating	Nom.		kW	0.068			0.075	0.096	0.107
Dimensions	Unit	Height		mm	620 / 720 (1)					
		Width		mm	750			950		1,150
		Depth		mm	200					
	Packed unit	Height		mm	265					
		Width		mm	925			1,125		1,325
		Depth		mm	885					
Weight	Unit			kg	23.5			27.5		32
	Packed unit			kg	27.5			32		37
Casing	Colour				Unpainted					
	Material				Galvanised steel plate					
Heat exchanger	Type				Cross fin coil (multi slit fins with hydrophilic treatment ø7 Hi-XD tubes)					
Fan	Type				Sirocco fan					
	Quantity				2			3		4
	Air flow rate - 50Hz	Cooling	High	m³/min	8.0			10.5	12.5	16.5
			Nom.	m³/min	7.2			9.5	11	14.5
			Low	m³/min	6.4			8.5	10.0	13.0
		Heating	High	m³/min	8.0			10.5	12.5	16.5
			Nom.	m³/min	7.2			9.5	11	14.5
			Low	m³/min	6.4			8.5	10.0	13.0
	External static pressure - 50Hz	High		Pa	41 (2)		42 (2)	52 (2)	59 (2)	55 (2)
		Nom.		Pa	10			15		
Fan motor	Quantity				1					
	Model				KFD-280-44-8A			KFD-280-65-8A		
	Speed	Steps			3					
	Output	High		W	44			65		
Air filter	Type				Resin net with mold resistance					
Sound power level	Cooling	High		dBA	51			52	53	54
Sound pressure level	Cooling	High		dBA	30			32	33	35
		Nom.		dBA	28.5			30	31	33
		Low		dBA	27			28	29	32
	Heating	High		dBA	30			32	33	35
		Nom.		dBA	28.5			30	31	33
		Low		dBA	27			28	29	32
Refrigerant	Type				R-410A					
Piping connections	Liquid	Type			Flare connection					
		OD		mm	6.35					9.52
	Gas	Type			Flare connection					
		OD		mm	12.7					15.9
	Drain				VP20 (I.D. 20/O.D. 26)					
	Heat insulation				Foamed polystyrene / Foamed polyethylene					
	Sound absorbing insulation				Butyl Rubber					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1D52 / BRC1D61 / BRC1E52A/B					
	Simplified wired remote control for hotel applications				BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)					

2 Specifications

2-2 Electrical Specifications				FXNQ20A	FXNQ25A	FXNQ32A	FXNQ40A	FXNQ50A	FXNQ63A
Power supply	Phase			1~					
	Frequency		Hz	50/60					
	Voltage		V	220-240/220					
Voltage range	Min.		%	-10					
	Max.		%	10					
Current - 50Hz	Minimum circuit amps (MCA)		A	0.4			0.5		0.6
	Maximum fuse amps (MFA)		A	16					
	Full load amps (FLA)	Total	A	0.3			0.4		0.5

Notes

(1) Including installation legs

(2) Contains fluorinated greenhouse gases

The sound power level is an absolute value indicating the power which a sound source generates.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Select wire size based on the value of MCA

Maximum allowable voltage range variation between phases is 2%.

Use a circuit breaker instead of a fuse.

MCA/MFA; MCA= 1,25 x FLA; MFA=\< 4 x FLA; The next lower standard fuse rating is minimum 16 ampere.

3 Electrical data

3 - 1 Electrical Data

FXNQ-A

Indoor Units				Power supply		IFM	Power input (W)	
Model	Hz	Volts	Voltage range	MCA	MFA	FLA	Cooling	Heating
FXNQ20A	50/60	220~240/220V	Max. 264V/Max. 242V Min. 198V/Min. 198V	0.4	16	0.3	71	68
FXNQ25A								
FXNQ32A								
FXNQ40A				0.5		0.4	78	75
FXNQ50A							99	96
FXNQ63A				0.6		0.5	110	107

SYMBOLS

MCA : Min. Circuit Amps. (A)
MFA : Max. Fuse Amps. (A)
IFM : Indoor Fan Motor.
FLA : Full Load Amps. (A)

NOTES

1 Voltage range
Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above the listed range limits.
2 Select wire size based on the MCA.
3 Maximum allowable voltage unbalance between phases is 2%.
4 Instead of fuse, use circuit breaker.
5 MCA/MFA
MCA=1.25xFLA
MFA≤4xFLA
(next lower standard fuse rating min. 16A)

3D096320A

4 Safety device settings

4 - 1 Safety Device Settings

FXNQ-A

	Safety devices		20	25	32	40	50	63
FXNQ	Printed circuit board (main)		250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A	250V, 3. 15A
	Fan motor thermal protector	°C	---	---	---	---	---	---

3D097180

5 Options

5 - 1 Options

FXNQ-A

	Optional equipment	Part name	Status	Availability VRV FXNQ20A2VEB FXNQ25A2VEB FXNQ32A2VEB FXNQ40A2VEB FXNQ50A2VEB FXNQ63A2VEB
Individual control systems	Wired remote control	BRC1D52	Current	X
		BRC1D61(1)	Current	X
		BRC1E51A	Current	X
	Simplified remote control for hotel use	BRC2E52C7(3)	Current	X
	Stylish remote control	BRC1E52A, BRC1E52B	Current	X
	Remote control for hotel use	BRC3E52C7(3)	Current	X
	Wireless remote control	BRC4C65	Current	X
Centralised control systems	Central remote control	DCS302CA51 DSC302CA61(1)	Current	X
	Unified ON/OFF controller	DSC301BA51 DCS301BA61(1)	Current	X
	Schedule timer	DST301BA51 DST301BA61(1)	Current	X
	Residential central remote control	DCS303A51(1)(2)	Current	X
Other options	Adaptor for wiring	KRP1B56	Current	X
	Wiring adaptor for electrical appendices 1	KRP2A53	Current	X
	Wiring adaptor for electrical appendices 2	KRP4A54	Current	X
	Remote sensor	KRCS01-4B	Current	X
	Installation box for adaptor PCB	KRP1BA101	Current	X
	Electrical box with earth terminal (2 blocks)	KJB212AA	Current	X
	Electrical box with earth terminal (3 blocks)	KJB311AA	Current	X
	Noise filter (for electromagnetic interface only)	KEK26-1A	Current	X
	External adaptor for outdoor unit (installation on indoor unit)	DTA104A53	Current	X
	Multi-tenant	DTA114A61	Current	X
	Digital input adaptor	BRP7A51(4)(5)	Current	X

Notes
(1) : For Daikin Middle East only.
(2) : For residential use only. Cannot be used with other centralised control equipment.
(3) : Included languages are:
Language pack 1: English, German, French, Dutch, Spanish, Italian, and Portuguese.
With PC cable EKPCCAB3 in combination with the Updater PC software, you can additionally change the language to:
Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian, and Slovenian.
Language pack 3: English, Greek, Polish, Russian, Serbian, Slovak, and Turkish.
(4) : This option needs to be installed together with installation box _____.
(5) : Only possible in combination with simplified remote control BRC2/3E52C7.

3D096739

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXNQ-A

Unit size	Outdoor °CDB	Indoor air temp.													
		14.0 WB		16.0 WB		18.0 WB		19.0 WB		20.0 WB		22.0 WB		24.0 WB	
		20.0 DB		23.0 DB		26.0 DB		27.0 DB		28.0 DB		30.0 DB		32.0 DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	35.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.5	1.8	1.4	1.8	1.4	1.9	1.4
20	35.0	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.7	2.4	1.8
25	35.0	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.2	3.0	2.1	3.1	2.0
32	35.0	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.8	2.6	3.9	2.5	4.0	2.5
40	35.0	3.0	2.5	3.6	2.8	4.2	3.3	4.5	3.3	4.7	3.2	4.9	3.1	5.0	3.2
50	35.0	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	5.9	4.0	6.0	3.9	6.2	3.7
63	35.0	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.5	4.8	7.7	4.8	7.8	4.8

TC: Total capacity (kW)
SHC: Sensible heating capacity (kW)

3TW32902-4A

6 Capacity tables

6 - 2 Heating Capacity Tables

FXNQ-A

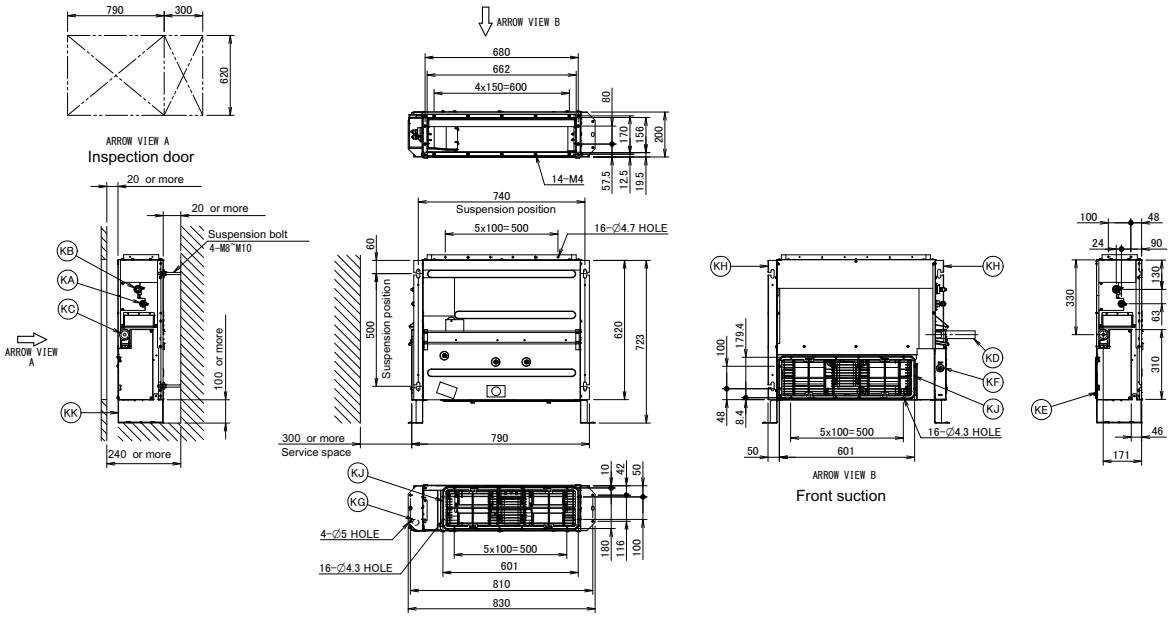
Unit size	Outdoor air temp.		On coil temp.: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
15	7.0	6.0	2.0	2.0	1.9	1.8	1.8	1.7
20	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
25	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
32	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
40	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
50	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
63	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0

3TW32902-3

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXNQ20-32A

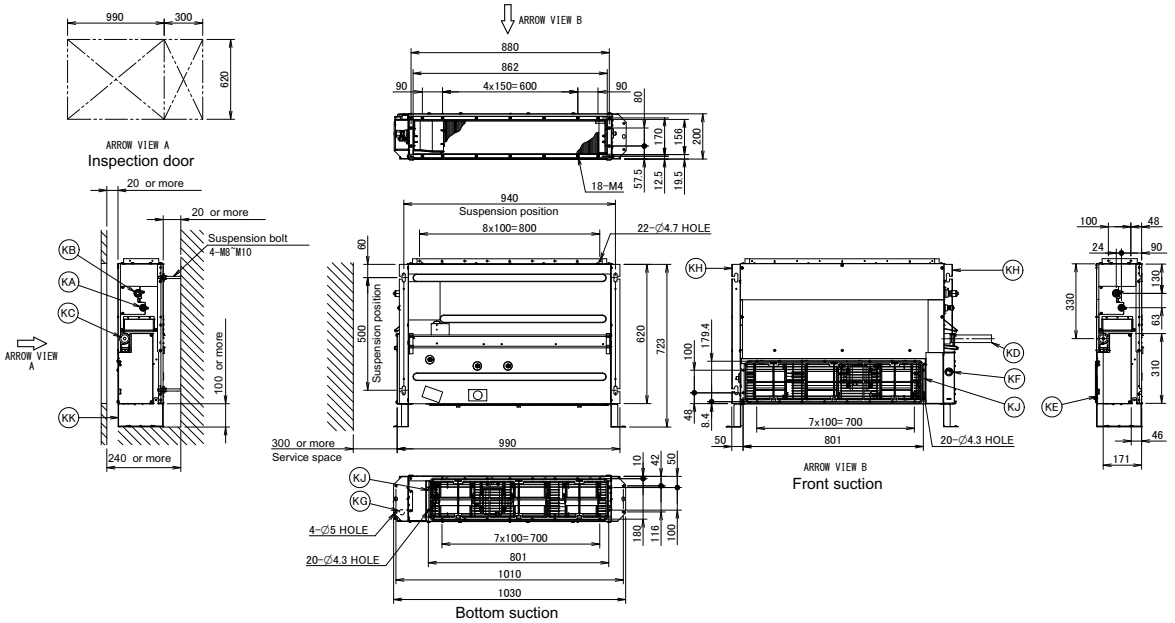


Item	Name	Description
KA	Liquid pipe connection port	Ø6.40 flared connection
KB	Gas pipe connection port	Ø9.50 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096749

FXNQ40-50A



Item	Name	Description
KA	Liquid pipe connection port	Ø6.4 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

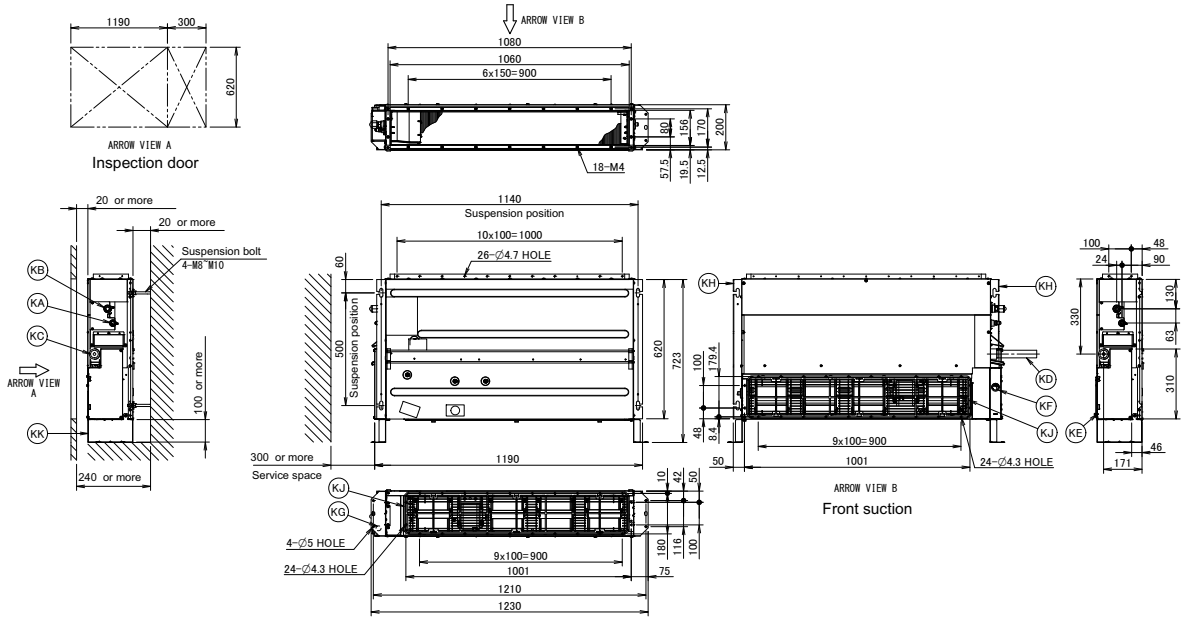
Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096747

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXNQ63A



Item	Name	Description
KA	Liquid pipe connection port	Ø6.4 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

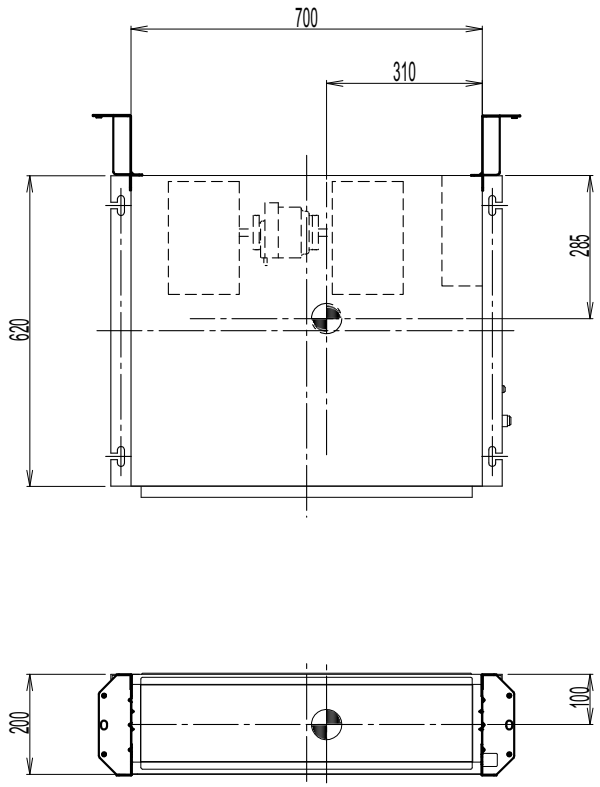
Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096740

8 Centre of gravity

8 - 1 Centre of Gravity

FXNQ20-32A

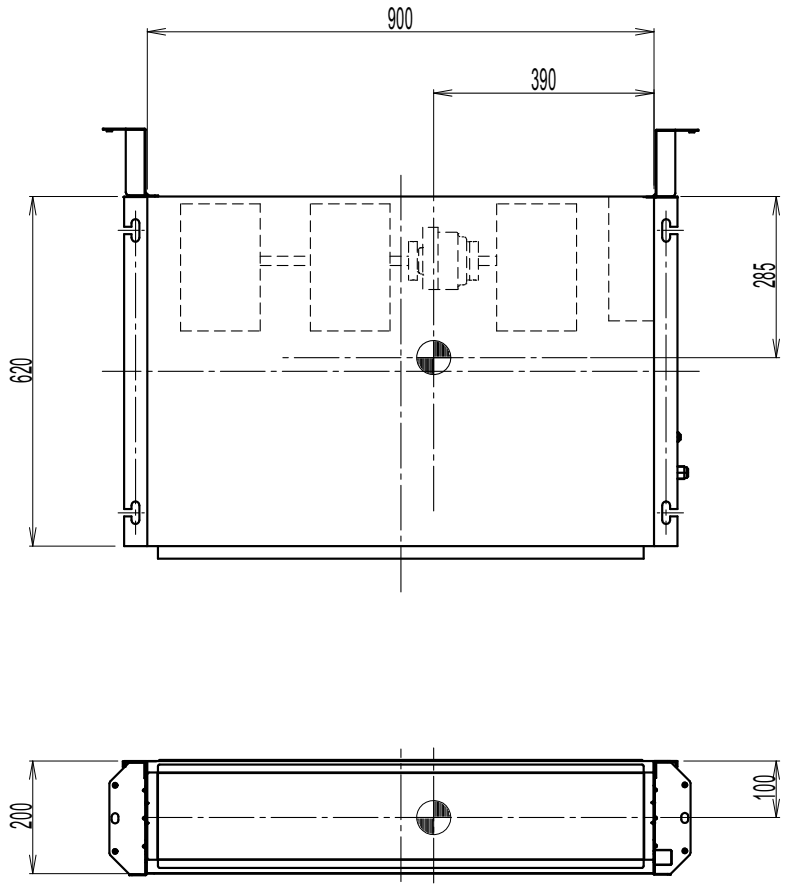


4D096841

8 Centre of gravity

8 - 1 Centre of Gravity

FXNQ40-50A

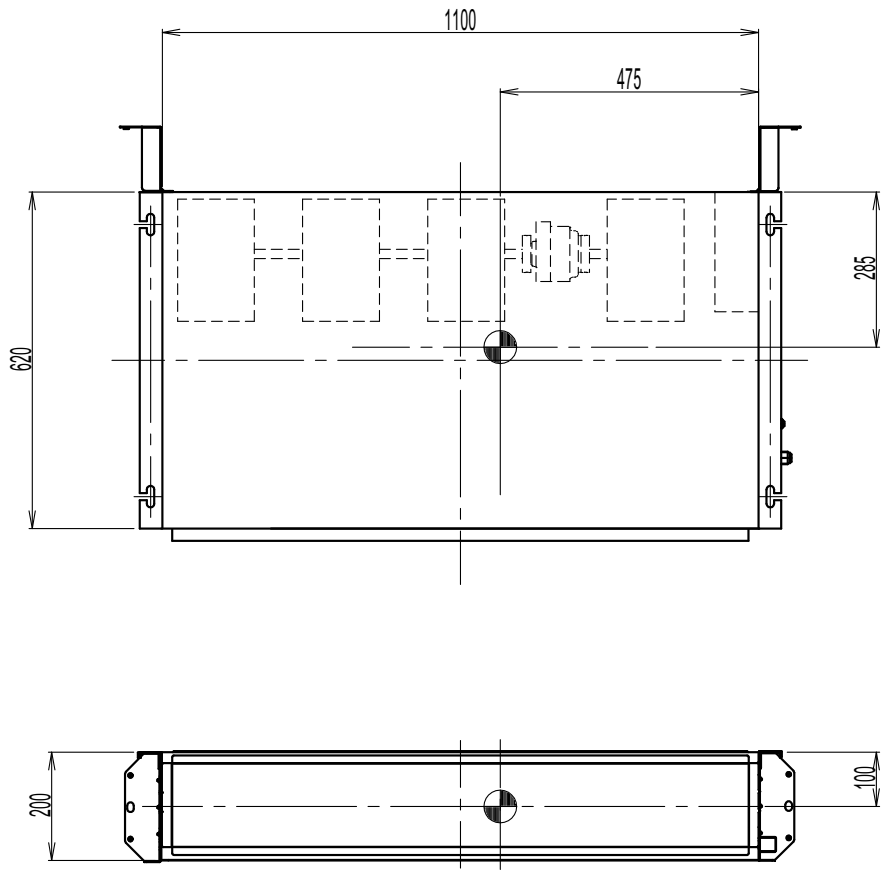


4D096842

8 Centre of gravity

8 - 1 Centre of Gravity

FXNQ63A

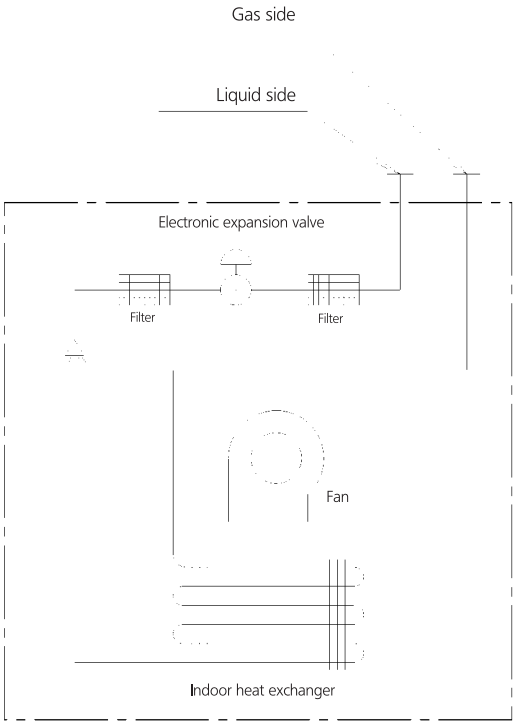


4D096843

9 Piping diagrams

9 - 1 Piping Diagrams

FXNQ-A



4D081336A

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXNQ-A

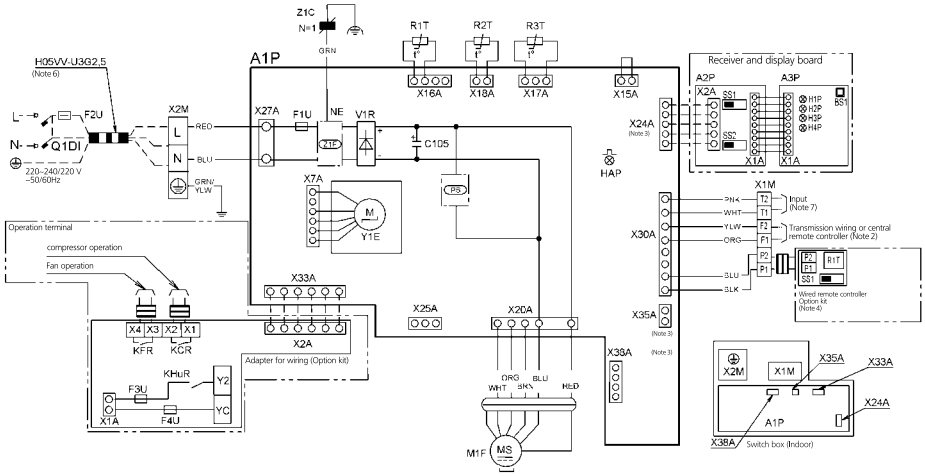
Indoor unit
- A1P : Printed circuit board
- C105 : Capacitor
- PS : Power supply
- F1U : Fuse (T, 3,15A, 250V)
- F2U : Field fuse
- Z1C : Ferrite core
- HAP : Light emitting diode (Service monitor-green)
- M1F : Motor (Fan)
- Q1DI : Earth leakage detector
- R1T : Thermistor (Air)
- R2T,R3T : Thermistor (Coil)
- V1R : Diode bridge
- X1M : Terminal block (control)
- X2M : Terminal block (Upward liquid pipe connection)
- Y1E : Electronic expansion valve
- Z1E : Noise filter

Receiver and display board
- A2P : Printed circuit board
- A3P : Printed circuit board
- BS1 : Push button (On/Off)
- H1P : Light emitting diode (on-red)
- H2P : Light-emitting diode (filter diagnostic - red)
- H3P : Light emitting diode (timer-green)
- H4P : Light emitting diode (defrost-orange)
- SS1 : Selector switch(Main/Sub)
- SS2 : Selector switch(Infrared adress set)

Connector (Optional accessories)
- X24A : Connector (Infrared remote controller)
- X33A : Connector (Adapter for wiring)
- X35A : Connector (Power supply)
- X38A : Connector (Multitenant)

Adapter for wiring
- F3U,F4U : Fuse ((B), 5A, 250V)
- KFR, KCR, KHuR : Magnetic relay

Wired remote controller
- R1T : Thermistor (air)
- SS1 : Select switch (MAIN-SUB)



Notes

1. : Terminal block , : Connector, : Field wiring
2. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
3. X24A, X33A, X35A, X38A are connectors for the optional accessories.
4. For how to switch between the main unit and the sub units, refer to the installation manual of the remote control.
5. Colors BLK:Black; RED:Red; BLU:Blue; WHT:White; GRN:Green; YLW:Yellow; BRN:Brown; ORG:Orange; PNK:Pink; GRY:Gray; PRP:purple
6. If the piping is protected, use cable type H05VV-U3G2,5. If the piping is not protected, use cable type H07RN-F.
7. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller, see manual for detail.

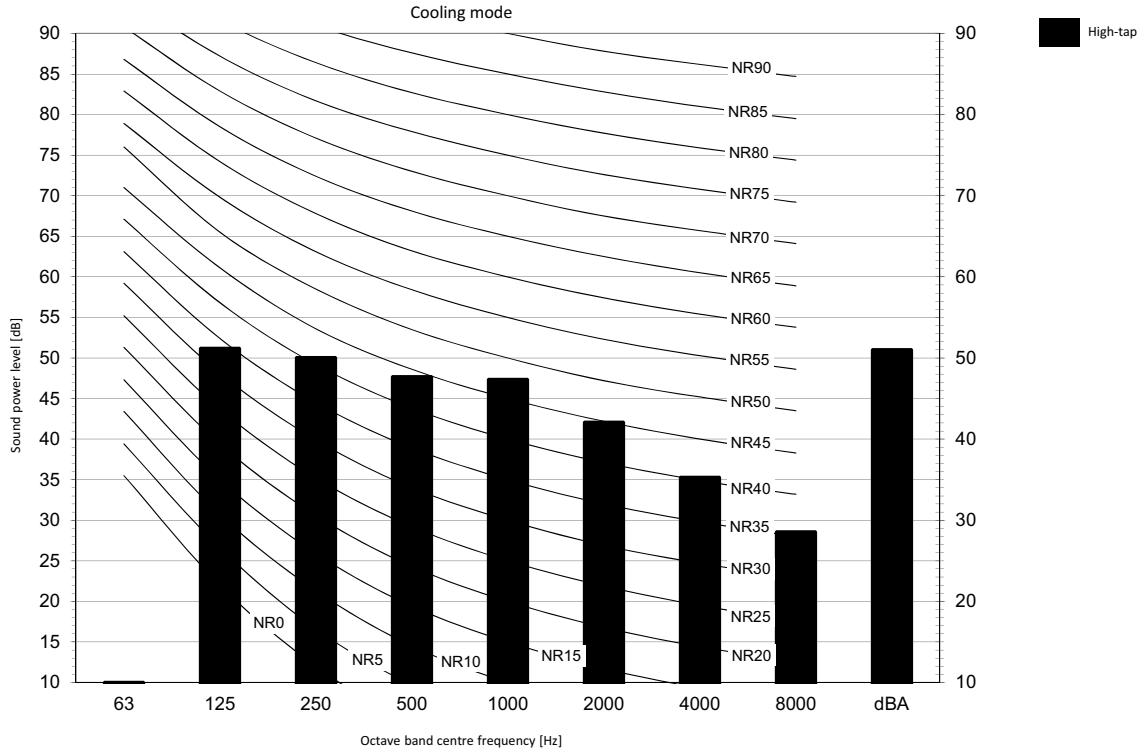
- : Wire clamp
- : Protective earth (screw)
- L : Live
- N : Neutral

3D095598

11 Sound data

11 - 1 Sound Power Spectrum

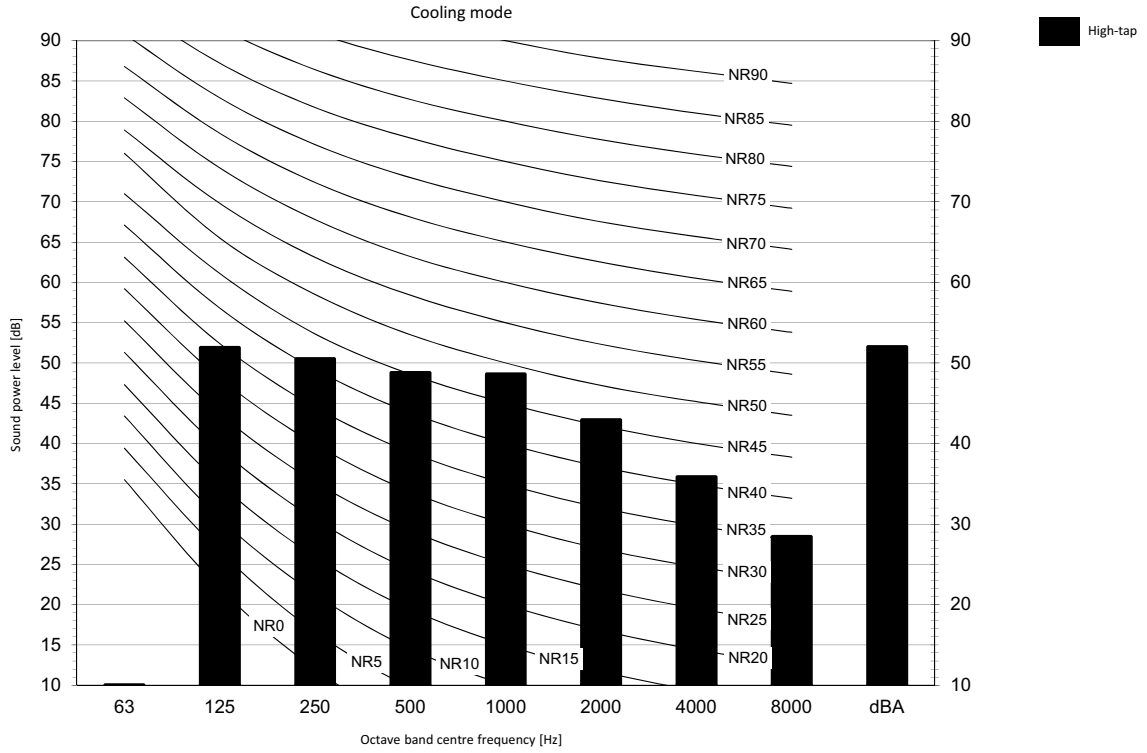
FXNQ20-32A



Notes
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity 0dB = 10E-6µW/m2
3. Measured according to ISO 3744

3D096617

FXNQ40A



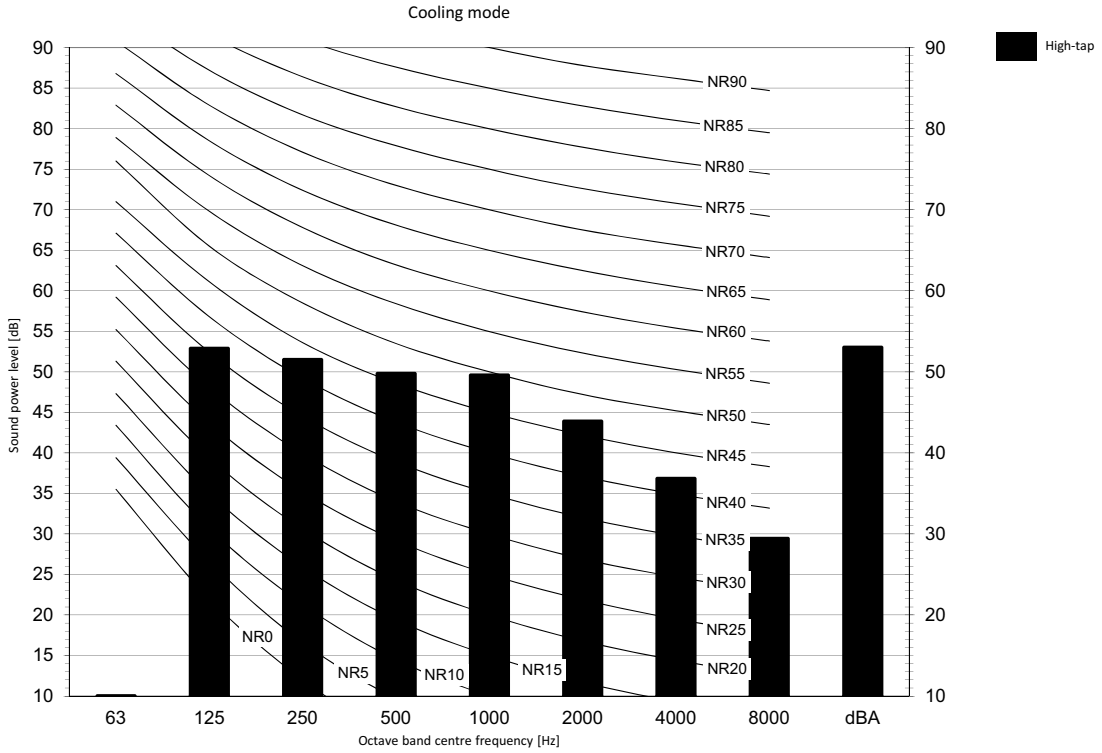
Notes
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity 0dB = 10E-6µW/m2
3. Measured according to ISO 3744

3D096618

11 Sound data

11 - 1 Sound Power Spectrum

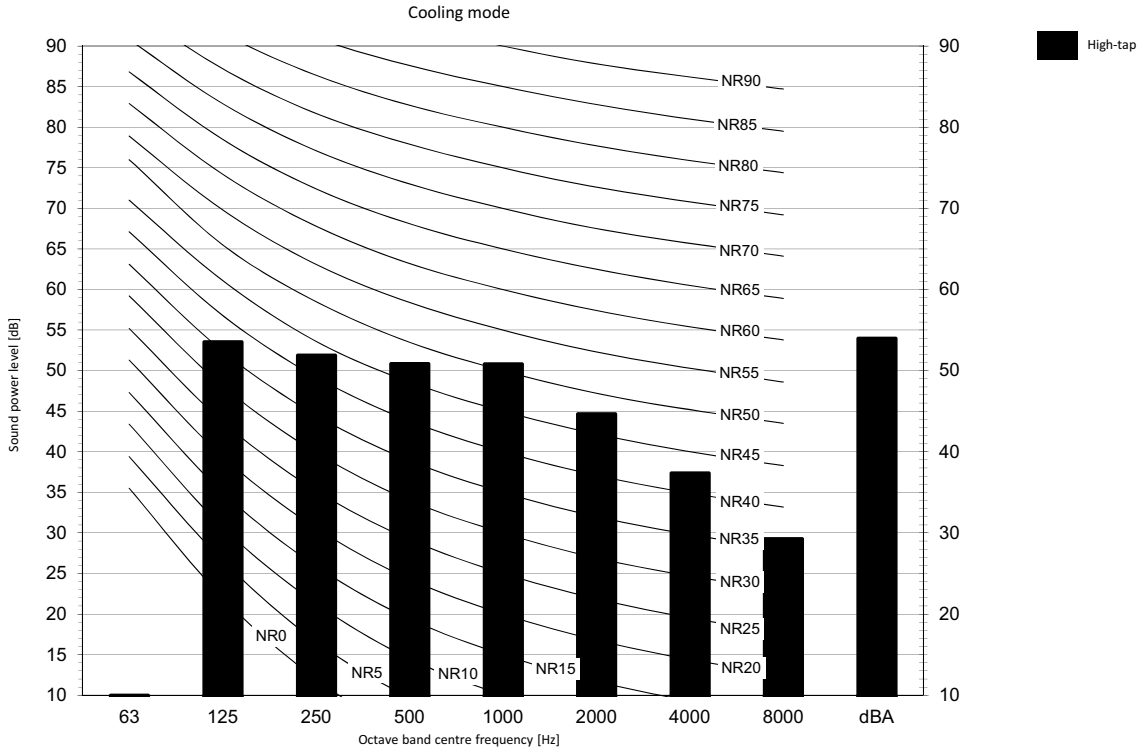
FXNQ50A



Notes
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity 0dB = 10E-6µW/m2
3. Measured according to ISO 3744

3D096619

FXNQ63A



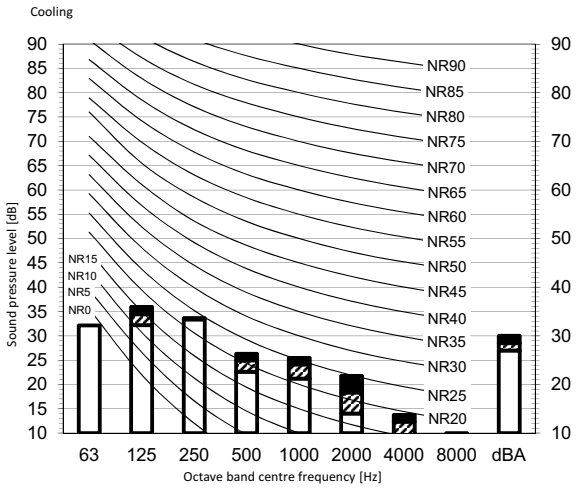
Notes
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity 0dB = 10E-6µW/m2
3. Measured according to ISO 3744

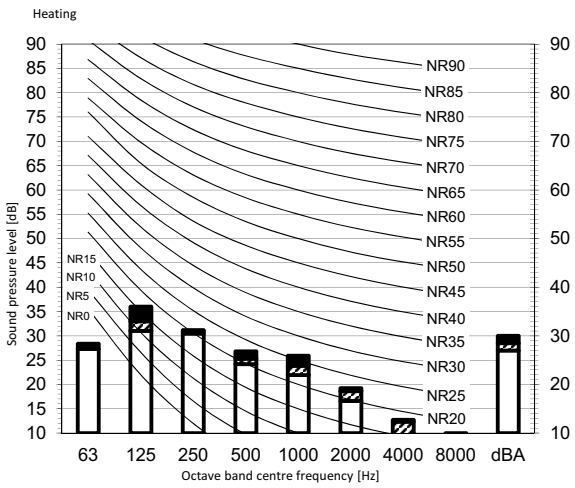
3D096620

11 Sound data

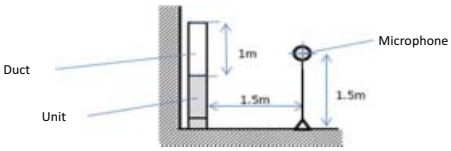
11 - 2 Sound Pressure Spectrum

FXNQ20-32A





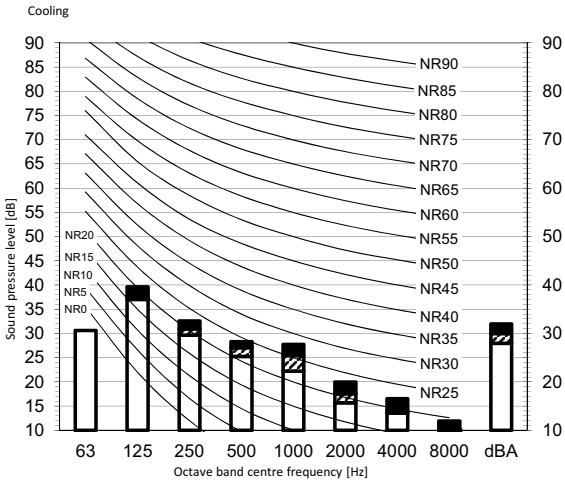
Fan speed
- High
- Medium
- Low

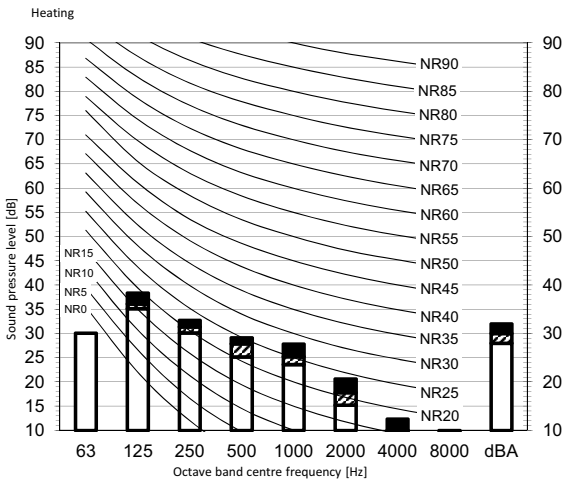


Notes
1. Data is valid at free field condition.
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa

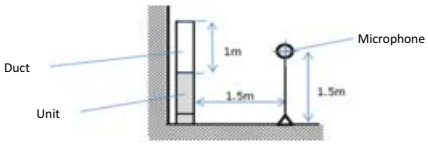
3D096735

FXNQ40A





Fan speed
- High
- Medium
- Low



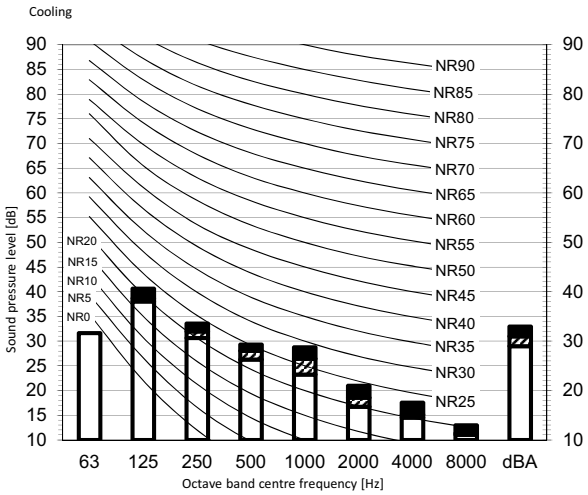
Notes
1. Data is valid at free field condition.
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa

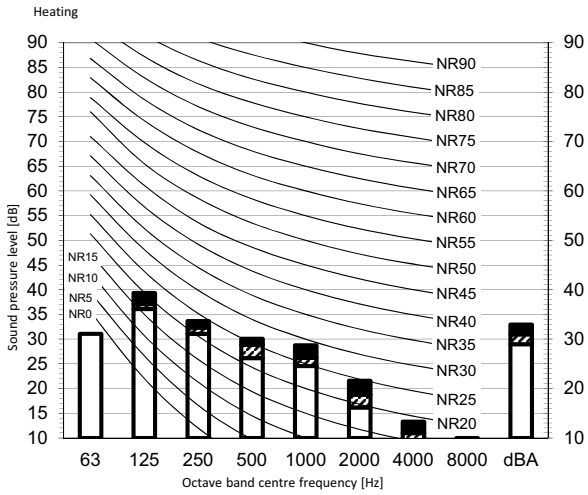
3D096736

11 Sound data

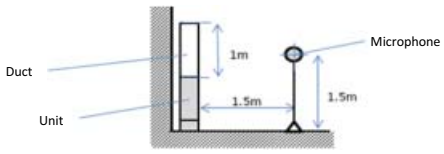
11 - 2 Sound Pressure Spectrum

FXNQ50A





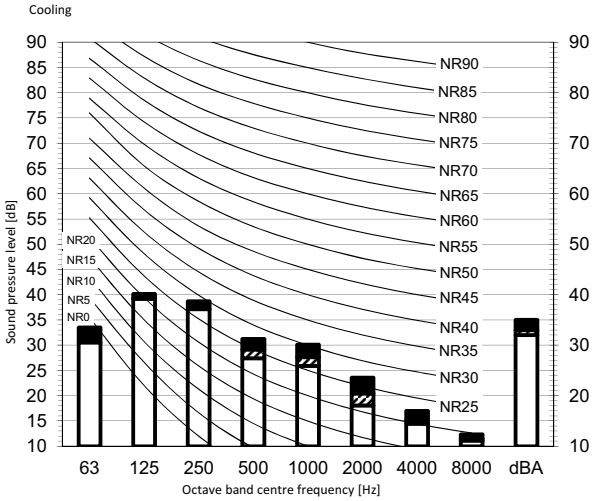
Fan speed
- High
- Medium
- Low

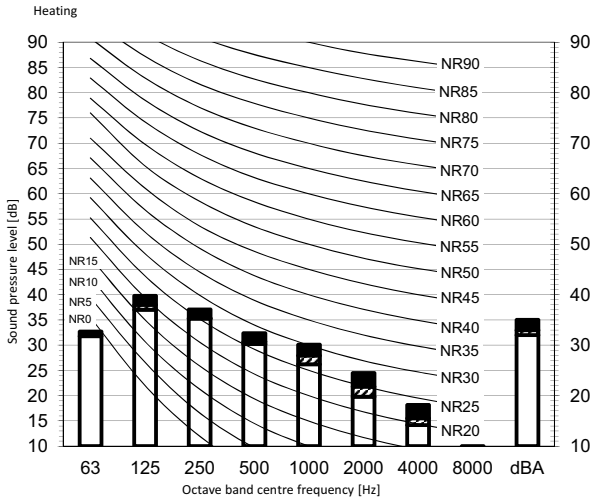


Notes
1. Data is valid at free field condition.
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa

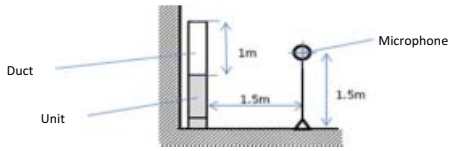
3D096737

FXNQ63A





Fan speed
- High
- Medium
- Low



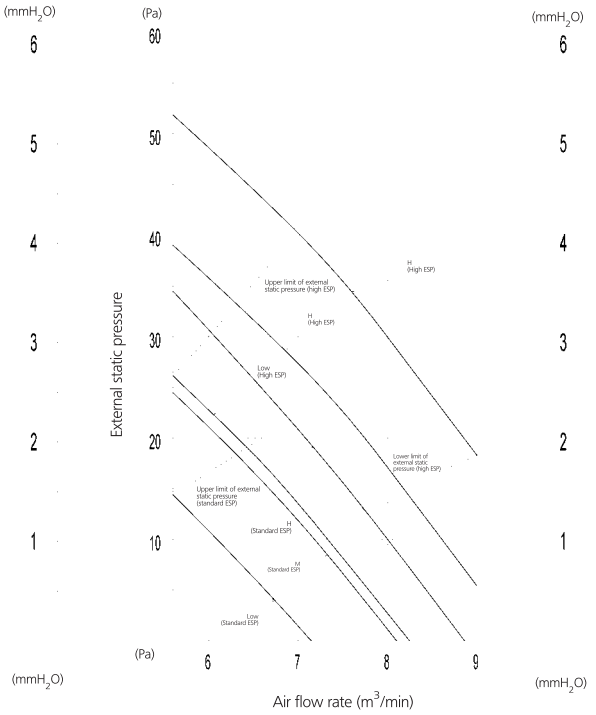
Notes
1. Data is valid at free field condition.
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa

3D096738

12 Fan characteristics

12 - 1 Fan Characteristics

FXNQ20-25A



Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'.
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D086736A

FXNQ32A

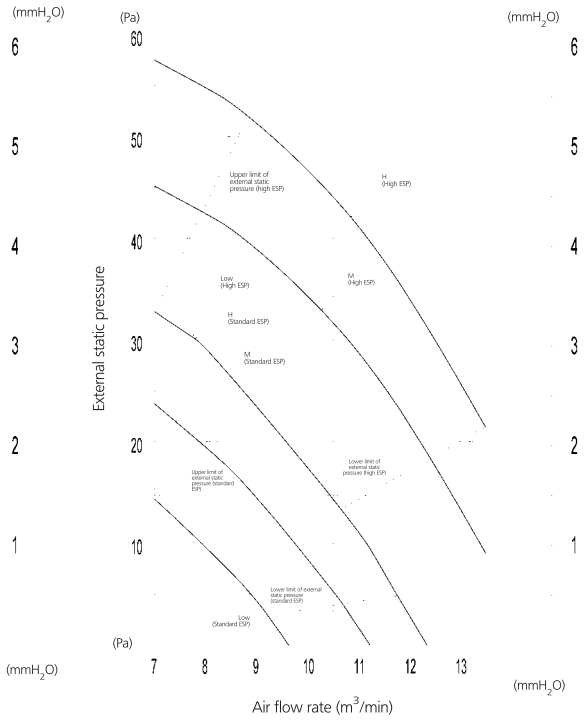
Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'.
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081425B

12 Fan characteristics

12 - 1 Fan Characteristics

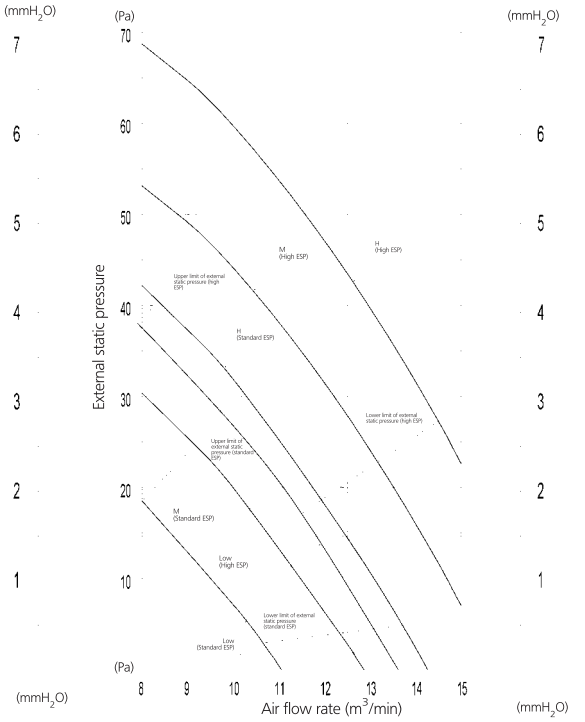
FXNQ40A



Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'.
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081426B

FXNQ50A



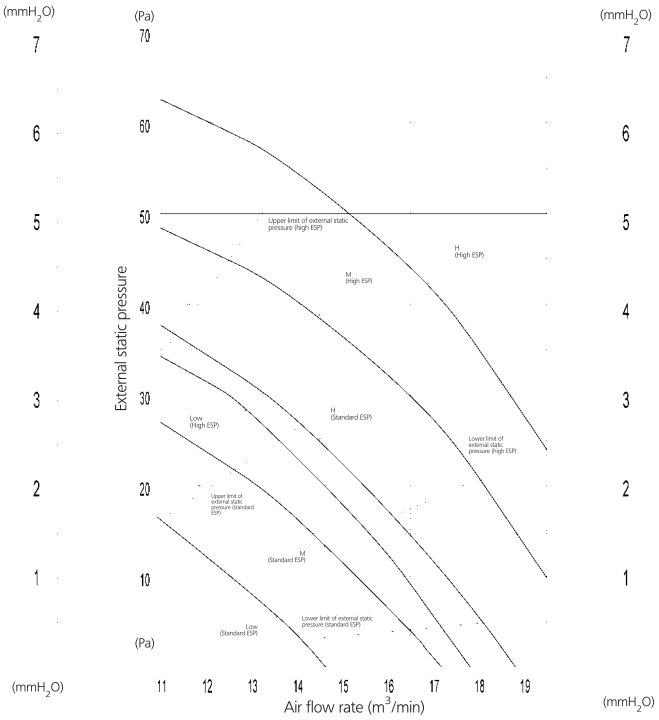
Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'.
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081427B

12 Fan characteristics

12 - 1 Fan Characteristics

FXNQ63A



Notes:
1. Remote controller can be used to switch between 'HIGH' and 'LOW'.
2. The air flow is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081429B

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