

# technical data

**RXS-G2V1B**  
**Outdoor units**

air conditioning systems

Split -  
Sky Air

**R-410A**

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# 1 Features

- Outdoor units for pair application
- Daikin outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall.
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



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## 2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B	
For combination indoor units + outdoor units		Indoor Units		FTXS20G2V1B	FTXS25G2V1B	FTXS35G2V1B	FTXS42G2V1B	FTXS50G2V1B	
Cooling capacity	Minimum	kW		1.3	1.3	1.4	1.7	1.7	
		Btu/h		4,400	4,400	4,800	5,800	5,800	
		Kcal/h		1,120	1,120	1,200	1,460	1,460	
	Standard	kW		2.0	2.5	3.5	4.2	5.0	
		Btu/h		6,800	8,500	11,900	14,300	17,100	
		Kcal/h		1,720	2,150	3,010	3,610	4,300	
	Maximum	kW		2.8	3.2	4.0	5.0	5.3	
		Btu/h		9,600	10,900	13,600	17,100	18,100	
		Kcal/h		2,410	2,750	3,440	4,300	4,560	
Heating capacity	Minimum	kW		1.3	1.3	1.4	1.7	1.7	
		Btu/h		4,400	4,400	4,800	5,800	5,800	
		Kcal/h		1,120	1,120	1,200	1,460	1,460	
	Standard	kW		2.7	3.4	4.0	5.4	5.8	
		Btu/h		9,200	11,600	13,600	18,400	19,800	
		Kcal/h		2,320	2,920	3,440	4,640	4,990	
	Maximum	kW		4.3	4.7	5.2	6.0	6.5	
		Btu/h		14,700	16,000	17,700	20,500	22,200	
		Kcal/h		3,700	4,040	4,470	5,160	5,590	
Power Input	Cooling	Minimum	kW	0.32	0.32	0.35	0.44	0.44	
		Standard	kW	0.47	0.55	0.87	1.22	1.52	
		Maximum	kW	0.91	0.81	1.19	2.23	1.81	
	Heating	Minimum	kW	0.31	0.31	0.34	0.40	0.40	
		Standard	kW	0.63	0.75	0.96	1.47	1.57	
		Maximum	kW	1.36	1.29	1.46	1.98	2.00	
For combination indoor units + outdoor units	EER	Nominal		4.26	4.55	4.02	3.44	3.29	
	COP	Nominal		4.29	4.53	4.17	3.67	3.69	
	Energy Label	Cooling	A						
		Heating	A						
	Annual energy consumption		kWh		235	275	435	610	760
	Indoor Units					FDXS25EAVMB	FDXS35EAVMB		FDXS50CVMB
Cooling capacity	Minimum	kW			1.3	1.4		1.7	
		Btu/h			4,400	4,800		5,800	
		Kcal/h			1,110	1,200		1,460	
	Standard	kW			2.4	3.4		5.0	
		Btu/h			8,150	11,600		17,100	
		Kcal/h			2,060	2,920		4,300	
	Maximum	kW			3.0	3.8		5.3	
		Btu/h			10,200	13,000		18,100	
		Kcal/h			2,580	3,260		4,560	
Heating capacity	Minimum	kW			1.3	1.4		1.7	
		Btu/h			4,400	4,800		5,800	
		Kcal/h			1,110	1,200		1,460	
	Standard	kW			3.2	4.0		5.8	
		Btu/h			10,900	13,600		19,800	
		Kcal/h			2,750	3,440		4,990	
	Maximum	kW			4.5	5.0		6.0	
		Btu/h			15,350	17,100		20,500	
		Kcal/h			3,870	4,300		5,160	
Power Input	Cooling	Minimum	kW					0.44	
		Standard	kW		0.69	1.09		1.65	
		Maximum	kW					1.93	
	Heating	Minimum	kW					0.40	
		Standard	kW		0.91	1.18		1.92	
		Maximum	kW					2.04	

## 2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B
For combination indoor units + outdoor units	EER	Nominal			3.48	3.12		3.03
	COP	Nominal			3.52	3.39		3.02
	Energy Label	Cooling			A	B		B
		Heating			B	C		D
	Annual energy consumption		kWh			345	545	
Indoor Units					FVXS25FV1B	FVXS35FV1B		FVXS50FV1B
Cooling capacity	Minimum	kW			1.3	1.4		1.4
		Btu/h			4,400	4,800		4,800
		Kcal/h			1,120	1,200		1,200
	Standard	kW			2.5	3.5		5.0
		Btu/h			8,500	11,900		17,100
		Kcal/h			2,150	3,010		4,300
	Maximum	kW			3.0	3.8		5.6
		Btu/h			10,200	13,000		19,100
		Kcal/h			2,580	3,270		4,820
Heating capacity	Minimum	kW			1.3	1.4		1.4
		Btu/h			4,400	4,800		4,800
		Kcal/h			1,120	1,200		1,200
	Standard	kW			3.4	4.5		5.8
		Btu/h			11,600	15,400		19,800
		Kcal/h			2,920	3,870		4,990
	Maximum	kW			4.5	5.0		8.1
		Btu/h			17,100	17,100		27,600
		Kcal/h			4,300	4,300		6,970
Power Input	Cooling	Minimum	kW		0.30	0.30		0.50
		Standard	kW		0.57	1.02		1.55
		Maximum	kW		0.92	1.25		2.00
	Heating	Minimum	kW		0.29	0.31		0.50
		Standard	kW		0.79	1.22		1.60
		Maximum	kW		1.39	1.88		2.60
For combination indoor units + outdoor units	EER	Nominal			4.39	3.43		3.23
	COP	Nominal			4.30	3.69		3.63
	Energy Label	Cooling			A	A		A
		Heating			A	A		A
	Annual energy consumption		kWh			285	510	
Indoor Units					FLXS25BAVMB	FLXS35BAVMB		FLXS50BAVMB
Cooling capacity	Minimum	kW			1.2	1.2		0.9
		Btu/h			4,100	4,100		3,070
		Kcal/h			1,030	1,030		770
	Standard	kW			2.5	3.5		4.9
		Btu/h			8,500	11,900		16,730
		Kcal/h			2,150	3,010		4,210
	Maximum	kW			3.0	3.8		5.3
		Btu/h			10,200	13,000		18,090
		Kcal/h			2,580	3,270		4,560
Heating capacity	Minimum	kW			1.2	1.2		0.9
		Btu/h			4,100	4,100		3,070
		Kcal/h			1,030	1,030		770
	Standard	kW			3.4	4.0		6.1
		Btu/h			11,600	13,600		20,830
		Kcal/h			2,920	3,440		5,250
	Maximum	kW			4.5	5.0		7.5
		Btu/h			15,400	17,100		25,610
		Kcal/h			3,870	4,300		6,450

## 2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B	
Power Input	Cooling	Minimum	kW		0.30	0.30		0.45	
		Standard	kW		0.65	1.13		1.72	
		Maximum	kW		0.86	1.26		1.95	
	Heating	Minimum	kW		0.29	0.29		0.31	
		Standard	kW		0.98	1.23		1.82	
		Maximum	kW		1.49	1.85		3.54	
For combination indoor units + outdoor units	EER	Nominal			3.85	3.10		2.85	
	COP	Nominal			3.47	3.25		3.35	
	Energy Label	Cooling				A	B		C
		Heating				B	C		C
	Annual energy consumption		kWh			325	565		860
	Indoor Units					FFQ25B8V1B	FFQ35B8V1B		FFQ50B8V1B
Cooling capacity	Standard	kW			2.50	3.40		4.70	
Heating capacity	Standard	kW			3.20	4.00		5.50	
Power Input	Cooling	Standard	kW		0.73	1.10		1.80	
	Heating	Standard	kW		0.92	1.20		1.96	
For combination indoor units + outdoor units	EER	Nominal			3.42	3.09		2.61	
	COP	Nominal			3.48	3.33		2.81	
	Energy Label	Cooling				A	B		D
		Heating				B	C		D
	Annual energy consumption		kWh			365	550		900
	Indoor Units						FCQ35C7VEB		FCQ50C7VEB
Cooling capacity	Standard	kW				3.40		5.00	
Heating capacity	Standard	kW				4.20		6.00	
Power Input	Cooling	Standard	kW			0.95		1.41	
	Heating	Standard	kW			1.23		1.62	
For combination indoor units + outdoor units	EER	Nominal				3.58		3.55	
	COP	Nominal				3.41		3.70	
	Energy Label	Cooling					A		A
		Heating					B		A
	Annual energy consumption		kWh				475		705
	Indoor Units						FHQ35BVV1B		FHQ50BVV1B
Cooling capacity	Minimum	kW				1.4		1.7	
		Btu/h				4,800		5,800	
		Kcal/h				1,200		1,460	
	Standard	kW				3.4		5.0	
		Btu/h				11,600		17,100	
		Kcal/h				2,920		4,300	
	Maximum	kW				3.7		5.6	
		Btu/h				12,600		19,100	
		Kcal/h				3,180		4,820	
Heating capacity	Minimum	kW				1.2		1.7	
		Btu/h				4,100		5,800	
		Kcal/h				1,200		1,460	
	Standard	kW				4.0		6.0	
		Btu/h				13,650		20,500	
		Kcal/h				3,440		5,160	
	Maximum	kW				5.0		7.0	
		Btu/h				17,100		23,700	
		Kcal/h				4,300		6,020	
Power Input	Cooling	Minimum	kW					0.44	
		Standard	kW			1.05		1.83	
		Maximum	kW					2.02	
	Heating	Minimum	kW						0.40
		Standard	kW				1.11		2.05
		Maximum	kW						2.45

## 2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B
For combination indoor units + outdoor units	EER	Nominal				3.24		2.73
	COP	Nominal				3.60		2.93
	Energy Label	Cooling				A		D
		Heating				B		D
	Annual energy consumption		kWh				525	
Indoor Units						FBQ35C7VEB		FBQ50C7VEB
Cooling capacity	Standard	kW				3.40		5.00
Heating capacity	Standard	kW				4.00		5.50
Power Input	Cooling	Standard	kW			1.06		1.65
	Heating	Standard	kW			1.14		1.61
For combination indoor units + outdoor units	EER	Nominal				3.21		3.03
	COP	Nominal				3.51		3.42
	Energy Label	Cooling				A		B
		Heating				B		B
	Annual energy consumption		kWh				530	

2-2 TECHNICAL SPECIFICATIONS				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B
Casing	Colour			Ivory White				
Dimensions	Unit	Height	mm	550	550	550	550	735
		Width	mm	765	765	765	765	825
		Depth	mm	285	285	285	285	300
	Packing	Height	mm	612	612	612	612	797
		Width	mm	906	906	906	906	960
Depth		mm	364	364	364	364	390	
Weight	Unit		kg	32	34	34	39	48
	Packed Unit		kg	37	40	40	45	53
Heat Exchanger	Dimensions	Length	mm	828	805	805	810	845
		Nr of Rows			1	2	2	2
		Fin Pitch	mm	1.4	1.4	1.4	1.5	1.8
		Nr of Stages			24	24	24	24
	Tube type			Hi-Xa(7)	Hi-Xa(7)	Hi-Xa(7)	Hi-Xa(8)	Hi-Xa(8)
Fin	Type			Waffle fin				
	Treatment			Anti-corrosion treatment (PE)				
Fan	Type			Propeller				
	Air Flow Rate	Cooling (Low)	m³/min	34.0	31.4	31.4	30.6	48.9
		Cooling (High)	m³/min	36.2	33.5	36.0	37.3	50.9
		Heating (Low)	m³/min	24.6	22.6	22.6	27.2	43.1
		Heating (High)	m³/min	32.6	30.2	30.2	31.3	45.0
		Cooling (Low)	cfm	1,201	1,109	1,109	1,079	1,727
		Cooling (High)	cfm	1,278	1,183	1,272	1,317	1,797
		Heating (Low)	cfm	869	798	798	959	1,522
		Heating (High)	cfm	1,151	1,066	1,066	1,107	1,589
Motor	Model		D50Q-28	D50Q-28	D50Q-28	D50R-28	KFD-380-50-8C	
Motor	Speed (nominal)	Cooling (Low)	rpm	810	810	810	790	670
		Cooling (High)	rpm	860	860	920	890	780
		Heating (Low)	rpm	660	660	660	780	670
		Heating (High)	rpm	860	860	860	890	720
Fan	Motor	Output	W	50	50	50	50	53
Compressor	Quantity			1	1	1	1	1
	Motor	Model		1YC23AFXD#C	1YC23AFXD#C	1YC23AFXD#C	2YC36BXD#C	2YC36BXD#C
		Type		Hermetically sealed swing compressor				
Operation Range	Cooling	Min	°CDB	-10	-10	-10	-10	-10
		Max	°CDB	46	46	46	46	46
	Heating	Min	°CWB	-15	-15	-15	-15	-15
		Max	°CWB	20	20	20	20	18



## 2 Specifications

2-2 TECHNICAL SPECIFICATIONS				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B
Sound Level (nominal)	Cooling	Sound Power	dBA	61	61	63	63	62
		Sound Pressure (Low)	dBA	43	43	44	44	44
		Sound Pressure (High)	dBA	46	46	48	48	48
	Heating	Sound Pressure (Low)	dBA	44	44	45	45	45
		Sound Pressure (High)	dBA	47	47	48	48	48
Refrigerant	Type	R-410A						
	Charge	kg	0.8	1.0	1.2	1.3	1.7	
Refrigerant Oil	Type	FVC50K						
	Charged Volume	l	0.375	0.375	0.375	0.65	0.65	
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.35	6.35	6.35	6.35	6.35
	Gas	Diameter (OD)	mm	9.52	9.52	9.52	9.52	12.7
	Drain	Diameter (OD)	mm	18	18	18	18	18
	Piping Length	Maximum	m	20	20	20	20	30
	Additional Refrigerant Charge	kg/m	0.02>10m					
	Installation height difference	Maximum	m	15	15	15	15	20
	Heat Insulation	Both liquid and gas pipes						
Standard Accessories	Item	Installation manual						
	Quantity	1						
	Item	Drain plug						
	Quantity	1						
Notes	Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19.0°CWB; outdoor temperature: 35°CDB, 24°CWB, refr.pip.length: 5m							
	Nominal heating capacities are based on: indoor temperature: 20°CDB; outdoor temperature: 7°CDB, 6°CWB, refr.pip.length: 5m							

2

2-3 ELECTRICAL SPECIFICATIONS				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B
Power Supply	Name	V1						
	Phase	1~						
	Frequency	Hz	50	50	50	50	50	
	Voltage	V	220-230-240					
Current	Nominal running current (RLA)	Cooling (A)	A	2.67-2.55-2.45	3.06-2.93-2.81	4.26-4.08-3.91	6.04-5.78-5.54	6.93-6.63-6.35
		Heating (A)	A	3.50-3.35-3.21	4.14-3.96-3.80	4.71-4.50-4.31	7.27-6.96-6.67	7.13-6.82-6.54
	Starting current (cooling/heating)	A	3.6	4.3	4.8	7.4	7.3	
Wiring connections	For Power Supply	Quantity	3	3	3	3	3	
	For connection with indoor	Quantity	4	4	4	4	4	
	Remark	(including earth wiring)						

### 3 Electrical data

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS20G2V1B	RXS20G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	34	2.3 2.2	50	0.23	23	0.15

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#### SIMBOLS

MCA	: Min. circuit amps.	(A)
MFA	: Max. Fuse Amps.	(A)
RLA	: Rated Load Amps.	(A)
OFM	: Outdoor Fan Motor	
IFM	: Indoor Fan Motor	
FLA	: Full Load Amps	(A)
W	: Fan Motor Rated Output	(W)
RHz	: Rated Operated Frequency	(Hz)

#### NOTES

- 1 RLA is based on the following conditions.  
Indoor temp. 27C°DB/19°CWB  
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

3

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS25G2V1B	RXS25G2V1B	50 - 230	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	34	2.7 2.5	50	0.23	23	0.15

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#### SIMBOLS

MCA	: Min. circuit amps.	(A)
MFA	: Max. Fuse Amps.	(A)
RLA	: Rated Load Amps.	(A)
OFM	: Outdoor Fan Motor	
IFM	: Indoor Fan Motor	
FLA	: Full Load Amps	(A)
W	: Fan Motor Rated Output	(W)
RHz	: Rated Operated Frequency	(Hz)

#### NOTES

- 1 RLA is based on the following conditions.  
Indoor temp. 27C°DB/19°CWB  
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

### 3 Electrical data

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ25B8V1B	RXS25G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	55	3.7	23	0.16	55	0.6
		50 - 230					3.5				
		50 - 240					3.4				

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#### SYMBOLS

- MCA : Min. Circuit Amps (A)
- MFA : Max. Fuse Amps (A)
- RHz : Rated operating frequency (Hz)
- RLA : Rated Load Amps (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Rated motor output (W)

#### NOTES

1. RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19.0°CWB  
Outdoor temp. : 35°CDB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

3

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS35G2V1B	RXS35G2V1B	50 - 230	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	65	3.9	50	0.23	23	0.15
							3.7				

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#### SIMBOLS

- MCA : Min. circuit amps. (A)
- MFA : Max. Fuse Amps. (A)
- RLA : Rated Load Amps. (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Fan Motor Rated Output (W)
- RHz : Rated Operated Frequency (Hz)

#### NOTES

- 1 RLA is based on the following conditions.  
Indoor temp. 27°CDB/19°CWB  
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

### 3 Electrical data

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ35B8V1B	RXS35G2V2B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	79	4.8	23	0.16	55	0.6
		50 - 230					4.6				
		50 - 240					4.4				

3D055011B

#### SYMBOLS

MCA : Min. Circuit Amps (A)  
MFA : Max. Fuse Amps (A)  
RHz : Rated operating frequency (Hz)  
RLA : Rated Load Amps (A)  
OFM : Outdoor Fan Motor  
IFM : Indoor Fan Motor  
FLA : Full Load Amps (A)  
W : Rated motor output (W)

#### NOTES

1. RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19.0°CWB  
Outdoor temp. : 35°CDB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

3

Units		Power supply				Compressor		OFM		IFM	
Indoor units	Outdoor units	Hz	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FBQ35C7VEB	RXS35G2V1B	50 - 230	Max. 50Hz 253V	15	16	70	4.42	19	0.35	140	1.2
FBQ50C7VEB	RXS50G2V1B		Min. 50Hz 207V	18	20	75	7	53	0.18	140	1.2

3TW25081-2F

#### SYMBOLS

MCA: Min. Circuit Amps. (A)  
MFA: Max. Fuse Amps (A) (see note 4). (A)  
RHZ: Rated Operating Frequency (Hz)  
RLA: Rated Load Amps. (A)  
OFM: Outdoor Fan Motor (A)  
IFM: Indoor Fan Motor  
FLA: Full Load Amps. (A)  
w: Fan Motor Rated Outdput (W.)

#### NOTES

- 1 RLA is based on the following conditions.  
Indoor temp. 27°CDB / 19.0°CWB  
Outdoor temp. 35°C
- 2 Maximum allowable woltage variation between fases is 2%
- 3 Select wire size based on the value of MCA
- 4 MFA is used to select the circuit break earth leakage circuit breaker.
- 5 Voltage range.  
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- 6 MCA represents maximum input current.  
MFA represents capacity which may accept MCA (next lower standard fuse rating minimum 15A)

### 3 Electrical data

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ35BV1B	RXS35G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	76	4.5	23	0.22	62	0.6
		50 - 230					4.3				
		50 - 240					4.1				

3D055011B

#### SYMBOLS

- MCA : Min. Circuit Amps (A)
- MFA : Max. Fuse Amps (A)
- RHz : Rated operating frequency (Hz)
- RLA : Rated Load Amps (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Rated motor output (W)

#### NOTES

1. RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19.0°CWB  
Outdoor temp. : 35°CDB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

3

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS42G2V1B	RKS42G2V1B	50 - 230	Max. 50Hz 264V Min. 50Hz 198V	14.75	20	58	5.7	50	0.23	23	0.15
							5.4				

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#### SIMBOLS

- MCA : Min. circuit amps. (A)
- MFA : Max. Fuse Amps. (A)
- RLA : Rated Load Amps. (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Fan Motor Rated Output (W)
- RHz : Rated Operated Frequency (Hz)

#### NOTES

- 1 RLA is based on the following conditions.  
Indoor temp. 27°CDB/19°CWB  
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

### 3 Electrical data

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS50G2V1B	RXS50G2V1B	50 - 220	Max. 50Hz 264V	19.75	20	70	6.6	53	0.27	23	0.15
		50 - 230	Min. 50Hz 198V				6.2				

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#### SIMBOLS

MCA	: Min. circuit amps.	(A)
MFA	: Max. Fuse Amps.	(A)
RLA	: Rated Load Amps.	(A)
OFM	: Outdoor Fan Motor	
IFM	: Indoor Fan Motor	
FLA	: Full Load Amps	(A)
W	: Fan Motor Rated Output	(W)
RHz	: Rated Operated Frequency	(Hz)

#### NOTES

- 1 RLA is based on the following conditions.  
Indoor temp. 27°CDB/19°CWB  
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

## 4 Capacity tables

### 4 - 1 Cooling/Heating capacity tables

FTXS20G2V1B + RXS20G2V1B

#### Cooling

50Hz 220-240V

AFR	9.4
BF	0.14

Indoor		Outdoor temperature (°C DB)																	
EWB °C	EDB °C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.05	1.84	0.36	1.96	1.80	0.40	1.86	1.76	0.43	1.83	1.74	0.44	1.77	1.71	0.46	1.68	1.67	0.50
16.0	22	2.14	1.81	0.36	2.05	1.77	0.40	1.95	1.73	0.43	1.92	1.72	0.45	1.86	1.69	0.47	1.77	1.66	0.50
18.0	25	2.23	1.94	0.36	2.14	1.90	0.40	2.05	1.87	0.43	2.01	1.85	0.45	1.95	1.83	0.47	1.86	1.80	0.50
19.0	27	2.28	2.09	0.37	2.19	2.05	0.40	2.09	0.40	2.09	2.02	0.44	2.06	2.00	1.98	0.47	1.91	1.95	0.50
22.0	30	2.42	2.03	0.37	2.32	2.00	0.40	2.23	1.97	0.44	2.19	1.96	0.45	2.14	1.94	0.47	2.05	1.91	0.51
24.0	0.51	2.51	1.99	0.37	2.42	1.96	0.41	2.32	1.93	0.44	2.29	1.92	0.45	2.23	1.91	0.48	2.14	1.88	0.51

#### Heating

50Hz 220-240V

AFR	9.9
-----	-----

Indoor		Outdoor temperature (°C DB)									
EDB °C	°C	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.82	0.53	2.12	0.56	2.43	0.58	2.79	0.62	3.04	0.64
20.0		1.72	0.55	2.03	0.57	2.33	0.60	2.70	0.63	2.94	0.65
22.0		1.69	0.55	1.99	0.58	2.30	0.60	2.66	0.64	2.91	0.66
24.0		1.65	0.56	1.95	0.58	2.26	0.61	2.63	0.64	2.87	0.66
25.0		1.63	0.56	1.94	0.59	2.24	0.61	2.61	0.64	2.85	0.66
27.0		1.59	0.57	1.90	0.59	2.20	0.62	2.57	0.65	2.81	0.67

#### SYMBOLS

AFR	: Air flow rate	(m <sup>3</sup> /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should be used for calculation.)
- About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
- Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 5m  
Level difference : 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

FTXS25G2V1B + RXS25G2V1B

### Cooling

50Hz 220-240V

AFR	9.1
BF	0.16

Indoor		Outdoor temperature (°C DB)																	
EWB °C	EDB °C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	2.03	0.42	2.44	1.98	0.46	2.33	1.92	0.50	2.28	1.90	0.52	2.21	1.87	0.54	2.10	1.81	0.58
16.0	22	2.68	2.00	0.42	2.56	1.95	0.47	2.44	1.89	0.51	2.40	1.87	0.52	2.33	1.84	0.55	2.21	1.79	0.59
18.0	25	2.79	2.11	0.43	2.68	2.06	0.47	2.56	2.02	0.51	2.51	2.00	0.52	2.44	1.97	0.55	2.33	1.92	0.59
19.0	27	2.85	2.24	0.43	2.73	2.20	0.47	2.62	2.15	0.51	2.57	2.13	0.53	2.50	2.11	0.55	2.38	2.06	0.59
22.0	30	3.02	2.17	0.43	2.91	2.13	0.47	2.79	2.09	0.51	2.74	2.07	0.53	2.67	2.05	0.55	2.56	2.01	0.59
24.0	32	3.14	2.12	0.43	3.02	2.08	0.47	2.90	2.05	0.52	2.86	2.03	0.53	2.79	2.01	0.56	2.67	1.97	0.60

### Heating

50Hz 220-240V

AFR	9.8
-----	-----

Indoor		Outdoor temperature (°C DB)									
EDB °C		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.29	0.63	2.67	0.67	3.06	0.70	3.52	0.73	3.82	0.76
20.0		2.17	0.65	2.56	0.68	2.94	0.71	3.40	0.75	3.71	0.77
22.0		2.12	0.66	2.51	0.69	2.89	0.72	3.35	0.76	3.66	0.78
24.0		2.08	0.66	2.46	0.70	2.85	0.73	3.31	0.76	3.61	0.79
25.0		2.05	0.67	2.44	0.70	2.82	0.73	3.28	0.77	3.59	0.79
27.0		2.01	0.67	2.39	0.71	2.77	0.74	3.24	0.77	3.54	0.80

#### SYMBOLS

AFR	: Air flow rate	(m <sup>3</sup> /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should be used for calculation.)
- About SHC which are not mentioned on the table. please calculate them with around values in direct proportion.
- Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 5m  
Level difference : 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

<b>FFQ25B8V1B+RXS25G2V1B</b>																			9		
<b>Cooling</b>																		<b>50Hz 220-240V</b>		AFR	0.24
Indoor		Outdoor temperature (°CDB)																			
EWB (°C)	EDB (°C)	20			25			30			32			35			40				
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14.0	20	2.56	1.95	0.56	2.44	1.89	0.61	2.33	1.84	0.67	2.28	1.81	0.69	2.21	1.78	0.72	2.10	1.72	0.78		
16.0	22	2.68	1.92	0.56	2.56	1.86	0.62	2.44	1.81	0.67	2.40	1.79	0.69	2.33	1.76	0.73	2.21	1.71	0.78		
18.0	25	2.79	2.01	0.57	2.68	1.96	0.62	2.56	1.92	0.67	2.51	1.90	0.70	2.44	1.87	0.73	2.33	1.82	0.78		
19.0	27	2.85	2.13	0.57	2.73	2.08	0.62	2.62	2.04	0.68	2.57	2.02	0.70	2.50	1.99	0.73	2.38	1.94	0.78		
22.0	30	3.02	2.06	0.57	2.91	2.02	0.63	2.79	1.97	0.68	2.74	1.96	0.70	2.67	1.93	0.73	2.56	1.89	0.79		
24.0	32	3.14	2.01	0.58	3.02	1.97	0.63	2.90	1.93	0.68	2.86	1.91	0.71	2.79	1.89	0.74	2.67	1.85	0.79		
<b>Heating</b>																		<b>50Hz 220-240V</b>		AFR	9
Indoor		Outdoor temperature (°CWB)																			
EDB (°C)		-10		-5		0		6		10											
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI										
15.0		2.15	0.78	2.52	0.82	2.88	0.85	3.31	0.90	3.60	0.93										
20.0		2.04	0.80	2.41	0.84	2.77	0.87	3.20	0.92	3.49	0.95										
22.0		2.00	0.81	2.36	0.84	2.72	0.88	3.16	0.93	3.44	0.96										
24.0		1.96	0.82	2.32	0.85	2.68	0.89	3.11	0.94	3.40	0.97										
25.0		1.93	0.82	2.29	0.86	2.66	0.90	3.09	0.94	3.38	0.97										
27.0		1.89	0.83	2.25	0.87	2.61	0.90	3.05	0.95	3.33	0.98										
3D055487																					
<b>SYMBOLS</b>						<b>NOTES</b>															
AFR:	Air flow rate			(m <sup>3</sup> /min)		1. Capacities are based on the following conditions: (1) Corresponding refrigerant piping length: 7.5 m (2) Level difference: 0 m  2. <span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> shows nominal (rated) capacities and power input.															
BF:	Bypass factor																				
EWB:	Entering wet bulb temp.			(°C)																	
EDB:	Entering dry bulb temp.			(°C)																	
TC:	Total capacity			(kW)																	
SHC:	Sensible heating capacity			(kW)																	
PI:	Power input			(kW)																	

# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

FTXS35G2V1B + RXS35G2V1B

### Cooling

50Hz 220-240V

AFR	10.4
BF	0.21

Indoor		Outdoor temperature (°C DB)																	
EWB °C	EDB °C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.59	2.60	0.67	3.42	2.52	0.73	3.26	2.43	0.80	3.19	2.40	0.82	3.10	2.35	0.86	2.93	2.27	0.92
16.0	22	3.75	2.55	0.67	3.58	2.47	0.74	3.42	2.40	0.80	3.36	2.37	0.83	3.26	2.32	0.86	3.10	2.25	0.93
18.0	25	3.91	2.66	0.68	3.75	2.59	0.74	3.58	2.52	0.80	3.52	2.49	0.83	3.42	2.45	0.87	3.26	2.38	0.93
19.0	27	3.99	2.80	0.68	3.83	2.73	0.74	3.66	2.66	0.81	3.60	2.63	0.83	3.50	2.59	0.87	3.34	2.52	0.93
22.0	30	4.23	2.70	0.68	4.07	2.64	0.75	3.90	2.57	0.81	3.84	2.55	0.84	3.74	2.51	0.88	3.58	2.45	0.94
24.0	32	4.39	2.62	0.69	4.23	2.57	0.75	4.07	2.51	0.82	4.00	2.49	0.84	3.90	2.45	0.88	3.74	2.40	0.94

### Heating

50Hz 220-240V

AFR	10.6
-----	------

Indoor		Outdoor temperature (°C DB)									
EDB °C	°C	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.69	0.81	3.14	0.85	3.60	0.89	4.14	0.94	4.50	0.97
20.0		2.55	0.83	3.01	0.87	3.46	0.91	4.00	0.96	4.36	0.99
22.0		2.50	0.84	2.95	0.88	3.40	0.92	3.94	0.97	4.31	1.00
24.0		2.44	0.85	2.90	0.89	3.35	0.93	3.89	0.98	4.25	1.01
25.0		2.42	0.86	2.87	0.89	3.32	0.93	3.86	0.98	4.22	1.01
27.0		2.36	0.86	2.81	0.90	3.26	0.94	3.81	0.99	4.17	1.02

#### SYMBOLS

AFR	: Air flow rate	(m <sup>3</sup> /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should be used for calculation.)
- About SHC which are not mentioned on the table. please calculate them with around values in direct proportion.
- Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 5m  
Level difference : 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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## 4 Capacity tables

### 4 - 1 Cooling/Heating capacity tables

FFQ35BVV1B+RXS35G2V1B																					
Cooling																		AFR		10	
50Hz 220-240V																		BF		0.25	
Indoor		Outdoor temperature (°CDB)																			
EWB	EDB	20			25			30			32			35			40				
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14.0	20	3.48	2.48	0.84	3.33	2.40	0.93	3.17	2.32	1.01	3.10	2.29	1.04	3.01	2.24	1.09	2.85	2.16	1.17		
16.0	22	3.64	2.44	0.85	3.48	2.36	0.93	3.32	2.28	1.01	3.26	2.25	1.04	3.17	2.21	1.09	3.01	2.13	1.17		
18.0	25	3.80	2.54	0.85	3.64	2.46	0.93	3.48	2.39	1.02	3.42	2.36	1.05	3.32	2.32	1.10	3.16	2.25	1.18		
19.0	27	3.87	2.66	0.86	3.72	2.59	0.94	3.56	2.52	1.02	3.49	2.49	1.05	3.40	2.45	1.10	3.24	2.39	1.18		
22.0	30	4.11	2.56	0.86	3.95	2.50	0.94	3.79	2.44	1.03	3.73	2.41	1.06	3.63	2.38	1.11	3.48	2.32	1.19		
24.0	32	4.27	2.49	0.87	4.11	2.43	0.95	3.95	2.37	1.03	3.89	2.35	1.06	3.79	2.32	1.11	3.63	2.26	1.19		

Heating												AFR		10	
50Hz 220-240V															
Indoor		Outdoor temperature (°CWB)													
EDB		-10		-5		0		6		10					
(°C)		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
15.0		2.69	1.01	3.14	1.06	3.60	1.11	4.14	1.17	4.50	1.21				
20.0		2.55	1.04	3.01	1.09	3.46	1.14	4.00	1.20	4.36	1.24				
22.0		2.50	1.05	2.95	1.10	3.40	1.15	3.94	1.21	4.31	1.25				
24.0		2.44	1.06	2.90	1.11	3.35	1.16	3.89	1.22	4.25	1.26				
25.0		2.42	1.07	2.87	1.12	3.32	1.17	3.86	1.23	4.22	1.27				
27.0		2.36	1.08	2.81	1.13	3.26	1.18	3.81	1.24	4.17	1.28				

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SYMBOLS			NOTES		
AFR:	Air flow rate	(m <sup>3</sup> /min)	1.	Capacities are based on the following conditions:	
BF:	Bypass factor		(1)	Corresponding refrigerant piping length: 7.5 m	
EWB:	Entering wet bulb temp.	(°C)	(2)	Level difference: 0 m	
EDB:	Entering dry bulb temp.	(°C)	2.	■ shows nominal (rated) capacities and power input.	
TC:	Total capacity	(kW)			
SHC:	Sensible heating capacity	(kW)			
PI:	Power input	(kW)			

# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

<b>FCQ35C7VEB+RXS35G2V1B</b>																			AFR		10.5					
<b>Cooling</b>																			BF		0.28					
																			<b>50Hz 220-240V</b>							
Indoor		Outdoor temperature (°CDB)																								
EWB	EDB	20			25			30			32			35			40									
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI							
14.0	20	3.48	2.49	0.73	3.33	2.40	0.80	3.17	2.32	0.87	3.10	2.29	0.90	3.01	2.24	0.94	2.85	2.16	1.01							
16.0	22	3.64	2.44	0.73	3.48	2.37	0.80	3.32	2.29	0.87	3.26	2.26	0.90	3.17	2.21	0.94	3.01	2.14	1.01							
18.0	25	3.80	2.54	0.74	3.64	2.47	0.81	3.48	2.40	0.88	3.42	2.37	0.91	3.32	2.33	0.95	3.16	2.26	1.02							
19.0	27	3.87	2.67	0.74	3.72	2.60	0.81	3.56	2.53	0.88	3.49	2.50	0.91	3.40	2.46	0.95	3.24	2.39	1.02							
22.0	30	4.11	2.57	0.75	3.95	2.50	0.82	3.79	2.44	0.89	3.73	2.42	0.91	3.63	2.38	0.96	3.48	2.32	1.03							
24.0	32	4.27	2.49	0.75	4.11	2.44	0.82	3.95	2.38	0.89	3.89	2.36	0.92	3.79	2.33	0.96	3.63	2.27	1.03							

<b>Heating</b>																			AFR		12.5					
																			<b>50Hz 220-240V</b>							
Indoor		Outdoor temperature (°CWB)																								
EDB		-10		-5		0		6		10																
(°C)		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI							
15.0		2.83	1.04	3.30	1.09	3.78	1.14	4.34	1.20	4.72	1.24	4.20	1.23	4.58	1.27	4.14	1.22	4.46	1.26							
20.0		2.68	1.07	3.16	1.12	3.63	1.17	4.20	1.23	4.58	1.27	4.14	1.22	4.46	1.26	4.14	1.22	4.46	1.26							
22.0		2.62	1.08	3.10	1.13	3.57	1.18	4.14	1.24	4.52	1.28	4.08	1.25	4.46	1.29	4.08	1.25	4.46	1.29							
24.0		2.57	1.09	3.04	1.14	3.51	1.19	4.08	1.25	4.46	1.29	4.08	1.25	4.46	1.29	4.08	1.25	4.46	1.29							
25.0		2.54	1.10	3.01	1.15	3.49	1.20	4.06	1.26	4.43	1.30	4.06	1.26	4.43	1.30	4.06	1.26	4.43	1.30							
27.0		2.48	1.11	2.95	1.16	3.43	1.21	4.00	1.27	4.38	1.31	4.00	1.27	4.38	1.31	4.00	1.27	4.38	1.31							

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<p><b>SYMBOLS</b></p> <p>AFR: Air flow rate (m<sup>3</sup>/min)</p> <p>BF: Bypass factor</p> <p>EWB: Entering wet bulb temp. (°C)</p> <p>EDB: Entering dry bulb temp. (°C)</p> <p>TC: Total capacity (kW)</p> <p>SHC: Sensible heating capacity (kW)</p> <p>PI: Power input (kW)</p>	<p><b>NOTES</b></p> <p>1. Capacities are based on the following conditions:                      (1) Corresponding refrigerant piping length: 5 m                      (2) Level difference: 0 m</p> <p>2. <span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 15px; height: 10px; vertical-align: middle;"></span> shows nominal (rated) capacities and power input.</p>
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# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

FBQ35C7VEB + RXS35G2V1B

### Cooling

50Hz 220-240V

AFR	16
BF	0.15

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	3.12	0.81	3.33	3.04	0.89	3.17	2.97	0.97	3.10	2.94	1.00	3.01	2.90	1.04	2.85	2.83	1.12
16.0	22	3.64	3.07	0.81	3.48	3.00	0.89	3.32	2.93	0.97	3.26	2.91	1.00	3.17	2.87	1.05	3.01	2.80	1.13
18.0	25	3.80	3.29	0.82	3.64	3.22	0.90	3.48	3.16	0.98	3.42	3.14	1.01	3.32	3.10	1.05	3.16	3.04	1.13
19.0	27	3.87	3.53	0.82	3.72	3.47	0.90	3.56	3.41	0.98	3.49	3.39	1.01	3.40	3.35	1.06	3.24	3.30	1.13
22.0	30	4.11	3.43	0.83	3.95	3.38	0.91	3.79	3.33	0.98	3.73	3.31	1.02	3.63	3.28	1.06	3.48	3.22	1.14
24.0	32	4.27	3.37	0.83	4.11	3.32	0.91	3.95	3.27	0.99	3.89	3.25	1.02	3.79	3.22	1.07	3.63	3.18	1.15

### Heating

50Hz 220-240V


AFR	16
-----	----

Indoor		Outdoor temperature (°CWB)									
EDB		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.69	0.96	3.14	1.01	3.60	1.05	4.14	1.11	4.50	1.15
20.0		2.55	0.99	3.01	1.03	3.46	1.08	4.00	1.14	4.36	1.17
22.0		2.50	1.00	2.95	1.04	3.40	1.09	3.94	1.15	4.31	1.18
24.0		2.44	1.01	2.90	1.05	3.35	1.10	3.89	1.16	4.25	1.19
25.0		2.42	1.01	2.87	1.06	3.32	1.11	3.86	1.16	4.22	1.20
27.0		2.36	1.02	2.81	1.07	3.26	1.12	3.81	1.17	4.17	1.21

#### SYMBOLS

AFR	: Air flow rate	(m <sup>3</sup> /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

#### NOTES

- Capacities are based on the following conditions,  
 (1) Corresponding refrigerant piping length: 5m  
 (2) Level difference : 0m
-  shows nominal (rated) capacities and power input.

3TW31272-3A

# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

### FBQ50C7VEB + RXS50G2V1B

#### Cooling

50Hz 220-240V

AFR	16
BF	0.16

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.12	3.88	1.27	4.89	3.76	1.39	4.66	3.65	1.51	4.56	3.60	1.56	4.42	3.54	1.963	4.19	3.43	1.75
16.0	22	5.35	3.81	1.27	5.12	3.70	1.40	4.89	3.60	1.52	4.79	3.55	1.57	4.65	3.49	1.64	4.42	3.39	1.76
18.0	25	5.58	4.00	1.28	5.35	3.90	1.40	5.12	3.80	1.52	5.02	3.76	1.57	4.88	3.71	1.65	4.65	3.61	1.77
19.0	27	5.70	4.23	1.28	5.47	4.13	1.41	5.23	4.04	1.53	5.14	4.00	1.58	5.00	3.95	1.65	4.77	3.85	1.77
22.0	30	6.04	4.08	1.30	5.81	4.00	1.42	5.58	3.92	1.54	5.49	3.88	1.59	5.35	3.83	1.66	5.11	3.75	1.78
24.0	32	6.27	3.98	1.30	6.04	3.90	1.42	5.81	3.83	1.55	5.72	3.80	1.60	5.58	3.75	1.67	5.34	3.68	1.79

#### Heating

50Hz 220-240V


AFR	16
-----	----

Indoor		Outdoor temperature (°CWB)									
EDB		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.70	1.36	4.32	1.43	4.94	1.50	5.69	1.58	6.19	1.63
20.0		3.51	1.40	4.13	1.47	4.75	1.53	5.50	1.61	6.00	1.67
22.0		3.44	1.41	4.06	1.48	4.68	1.55	5.42	1.63	5.92	1.68
24.0		3.36	1.43	3.98	1.50	4.60	1.56	5.35	1.64	5.84	1.70
25.0		3.32	1.44	3.94	1.50	4.56	1.57	5.31	1.65	5.81	1.70
27.0		3.25	1.45	3.87	1.52	4.49	1.58	5.23	1.66	5.73	1.72

#### SYMBOLS

AFR	: Air flow rate	(m3/min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

#### NOTES

- Capacities are based on the following conditions,  
 (1) Corresponding refrigerant piping length: 5m  
 (2) Level difference : 0m
-  shows nominal (rated) capacities and power input.

3TW31282-3A

# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

FTXS42G2V1B + RXS42G2V1B

### Cooling

50Hz 220-240V

AFR	9.1
BF	0.14

Indoor		Outdoor temperature (°C DB)																	
°C	EWB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.81	2.68	0.87	3.81	2.68	0.99	3.81	2.68	1.10	3.81	2.68	1.15	3.72	2.63	1.21	3.52	2.53	1.30
16.0	22	4.50	2.90	0.94	4.30	2.80	1.03	4.11	2.70	1.12	4.03	2.66	1.16	3.91	2.60	1.21	3.71	2.50	1.30
18.0	25	4.69	2.99	0.95	4.49	2.90	1.04	4.30	2.81	1.13	4.22	2.77	1.16	4.10	2.71	1.22	3.91	2.62	1.31
19.0	27	4.79	3.12	0.95	4.59	3.03	1.04	4.40	2.93	1.13	4.32	2.90	1.17	4.20	2.85	1.22	4.00	2.76	1.31
22.0	30	5.08	2.99	0.96	4.88	2.91	1.05	4.69	2.83	1.14	4.61	2.80	1.17	4.49	2.75	1.23	4.29	2.67	1.32
24.0	32	5.27	2.90	0.96	5.07	2.82	1.05	4.88	2.75	1.14	4.80	2.72	1.18	4.68	2.68	1.23	4.49	2.61	1.32

### Heating

50Hz 220-240V

AFR	11.2
-----	------

Indoor		Outdoor temperature (°C DB)									
°C	EDB	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.64	1.24	4.24	1.30	4.85	1.36	5.59	1.44	6.07	1.49
20.0		3.45	1.28	4.06	1.34	4.67	1.40	5.40	1.47	5.89	1.52
22.0		3.37	1.29	3.98	1.35	4.59	1.41	5.33	1.48	5.81	1.53
24.0		3.30	1.30	3.91	1.36	4.52	1.42	5.25	1.50	5.74	1.54
25.0		3.26	1.31	3.87	1.37	4.48	1.43	5.21	1.50	5.70	1.55
27.0		3.19	1.32	3.80	1.38	4.41	1.44	5.14	1.52	5.63	1.56

#### SYMBOLS

AFR	: Air flow rate	(m <sup>3</sup> /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should be used for calculation.)
- About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
- Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 5m  
Level difference : 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

FTXS50G2V1B + RXS50G2V1B

### Cooling

50Hz 220-240V

AFR	10.2
BF	0.18

Indoor		Outdoor temperature (°C DB)																	
°C	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.07	2.87	1.05	4.07	2.87	1.19	4.07	2.87	1.33	4.07	2.87	1.39	4.07	2.87	1.47	4.07	2.87	1.61
16.0	22	5.00	3.20	1.14	5.00	3.20	1.27	4.89	3.14	1.40	4.79	3.09	1.44	4.65	3.02	1.51	4.42	2.90	1.62
18.0	25	5.58	3.49	1.18	5.35	3.37	1.29	5.12	3.25	1.40	5.02	3.21	1.45	4.88	3.14	1.52	4.65	3.03	1.63
19.0	27	5.70	3.62	1.18	5.47	3.50	1.30	5.23	3.39	1.41	5.14	3.34	1.45	5.00	3.28	1.52	4.77	3.17	1.65
22.0	30	6.04	3.47	1.19	5.81	3.36	1.31	5.58	3.26	1.42	5.49	3.22	1.46	5.35	3.16	1.53	5.11	3.07	1.64
24.0	32	6.27	3.35	1.20	6.04	3.26	1.31	5.81	3.17	1.42	5.72	3.13	1.47	5.58	3.08	1.54	5.34	2.99	1.65

### Heating

50Hz 220-240V

AFR	9.7
-----	-----

Indoor		Outdoor temperature (°C DB)									
°C	EDB	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.90	1.33	4.56	1.39	5.21	1.46	6.00	1.53	6.52	1.59
20.0		3.70	1.36	4.36	1.43	5.01	1.49	5.80	1.57	6.32	1.62
22.0		3.62	1.38	4.28	1.44	4.93	1.51	5.72	1.58	6.24	1.64
24.0		3.54	1.39	4.20	1.46	4.85	1.52	5.64	1.60	6.16	1.65
25.0		3.50	1.40	4.16	1.46	4.81	1.53	5.60	1.61	6.12	1.66
27.0		3.42	1.41	4.08	1.48	4.73	1.54	5.52	1.62	6.03	1.67

#### SYMBOLS

AFR	: Air flow rate	(m <sup>3</sup> /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should be used for calculation.)
- About SHC which are not mentioned on the table. please calculate them with around values in direct proportion.
- Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 5m  
Level difference : 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

3D059721



# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

<b>FFQ50B8V1B+RXS50G2V1B</b>																		AFR		12.0	
<b>Cooling</b>																		BF		0.16	
																		<b>50Hz 230V</b>			
Indoor		Outdoor temperature (°CDB)																			
EWB (°C)	EDB (°C)	20			25			30			32			35			40				
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14.0	20	4.76	3.51	1.45	4.61	3.44	1.55	4.46	3.37	1.64	4.40	3.34	1.68	4.31	3.30	1.74	4.16	3.23	1.83		
16.0	22	4.92	3.54	1.48	4.77	3.47	1.57	4.62	3.40	1.67	4.56	3.38	1.70	4.47	3.33	1.76	4.32	3.26	1.86		
18.0	25	5.07	3.58	1.50	4.92	3.51	1.60	4.77	3.44	1.69	4.71	3.41	1.73	4.62	3.37	1.79	4.47	3.30	1.88		
19.0	27	5.15	3.59	1.52	5.00	3.52	1.61	4.85	3.45	1.71	4.79	3.43	1.74	4.70	3.38	1.80	4.55	3.31	1.90		
22.0	30	5.38	3.65	1.55	5.23	3.58	1.65	5.08	3.51	1.74	5.02	3.48	1.78	4.93	3.44	1.84	4.78	3.37	1.93		
24.0	32	5.54	3.68	1.58	5.39	3.61	1.68	5.24	3.54	1.77	5.18	3.51	1.81	5.09	3.47	1.87	4.94	3.40	1.96		

<b>Heating</b>																		AFR		12.0	
																		<b>50Hz 230V</b>			
Indoor		Outdoor temperature (°CWB)																			
EDB (°C)		-15		-10		-5		0		6		10									
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI								
16.0		2.76	1.41	3.43	1.51	4.09	1.60	4.76	1.70	5.56	1.82	6.09	1.90								
18.0		2.73	1.48	3.40	1.58	4.06	1.67	4.73	1.77	5.53	1.89	6.06	1.97								
20.0		2.70	1.55	3.37	1.65	4.04	1.74	4.70	1.84	5.50	1.96	6.03	2.04								
21.0		2.69	1.58	3.36	1.68	4.02	1.78	4.69	1.88	5.49	2.00	6.02	2.07								
22.0		2.68	1.62	3.34	1.72	4.01	1.81	4.67	1.91	5.47	2.03	6.00	2.11								
24.0		2.65	1.69	3.32	1.79	3.98	1.89	4.65	1.98	5.45	2.10	5.98	2.18								

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<p><b>SYMBOLS</b></p> <p>AFR: Air flow rate (m<sup>3</sup>/min)</p> <p>BF: Bypass factor</p> <p>EWB: Entering wet bulb temp. (°C)</p> <p>EDB: Entering dry bulb temp. (°C)</p> <p>TC: Total capacity (kW)</p> <p>SHC: Sensible heating capacity (kW)</p> <p>PI: Power input (kW)</p>	<p><b>NOTES</b></p> <p>1 Ratings shown are net capacities which include a deduction for indoor fan motor heat</p> <p>2 <span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> shows nominal (rated) capacities and power input</p> <p>3 TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)</p> <p>4 SHC is based on each EWB and EDB              SHC* = SHC correction for other dry bulb              =0.02*AFR(m<sup>3</sup>/min.)*(1-BF)*(DB*-EDB)              Add SHC* to SHC.</p> <p>5 Capacities are based on following conditions:              Corresponding refrigerant piping length: 7.5 m              Level difference: 0 m</p> <p>6 Air flow rate (AFR) and Bypass factor (BF) are tabulated above.</p>
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# 4 Capacity tables

## 4 - 1 Cooling/Heating capacity tables

FCQ50C7VEB+RXS50G2V1B

AFR	12.5
BF	0.21

### Cooling

50Hz 220-240V

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.12	3.56	1.08	4.89	3.43	1.19	4.66	3.31	1.29	4.56	3.26	1.33	4.42	3.18	1.39	4.19	3.06	1.50
16.0	22	5.35	3.49	1.09	5.12	3.37	1.19	4.89	3.26	1.30	4.79	3.21	1.34	4.65	3.14	1.40	4.42	3.03	1.50
18.0	25	5.58	3.62	1.09	5.35	3.50	1.20	5.12	3.40	1.30	5.02	3.35	1.34	4.88	3.29	1.41	4.65	3.18	1.51
19.0	27	5.70	3.77	1.10	5.47	3.67	1.20	5.23	3.56	1.31	5.14	3.52	1.35	5.00	3.46	1.41	4.77	3.35	1.51
22.0	30	6.04	3.62	1.11	5.81	3.53	1.21	5.58	3.44	1.32	5.49	3.40	1.36	5.35	3.34	1.42	5.11	3.25	1.52
24.0	32	6.27	3.52	1.11	6.04	3.43	1.22	5.81	3.34	1.32	5.72	3.31	1.36	5.58	3.26	1.43	5.34	3.18	1.53

### Heating

50Hz 220-240V

AFR	12.5
-----	------


Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		4.04	1.37	4.72	1.44	5.39	1.50	6.21	1.58	6.75	1.64
20.0		3.83	1.41	4.51	1.47	5.19	1.54	6.00	1.62	6.54	1.67
22.0		3.75	1.42	4.43	1.49	5.10	1.55	5.92	1.63	6.46	1.69
24.0		3.67	1.44	4.34	1.50	5.02	1.57	5.83	1.65	6.38	1.70
25.0		3.62	1.44	4.30	1.51	4.98	1.58	5.79	1.66	6.33	1.71
27.0		3.54	1.46	4.22	1.52	4.90	1.59	5.71	1.67	6.27	1.71

3D057248

#### SYMBOLS

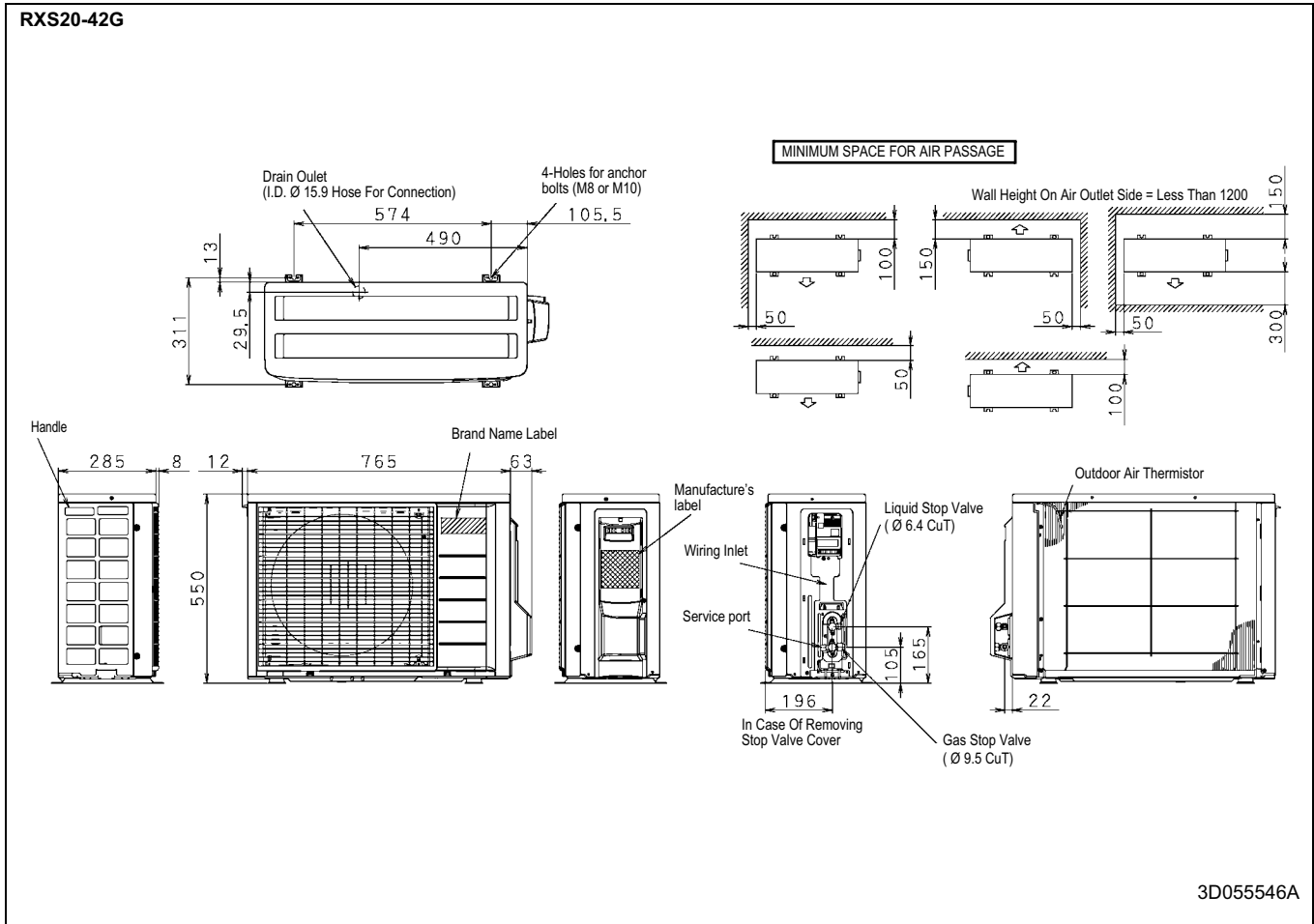
AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

#### NOTES

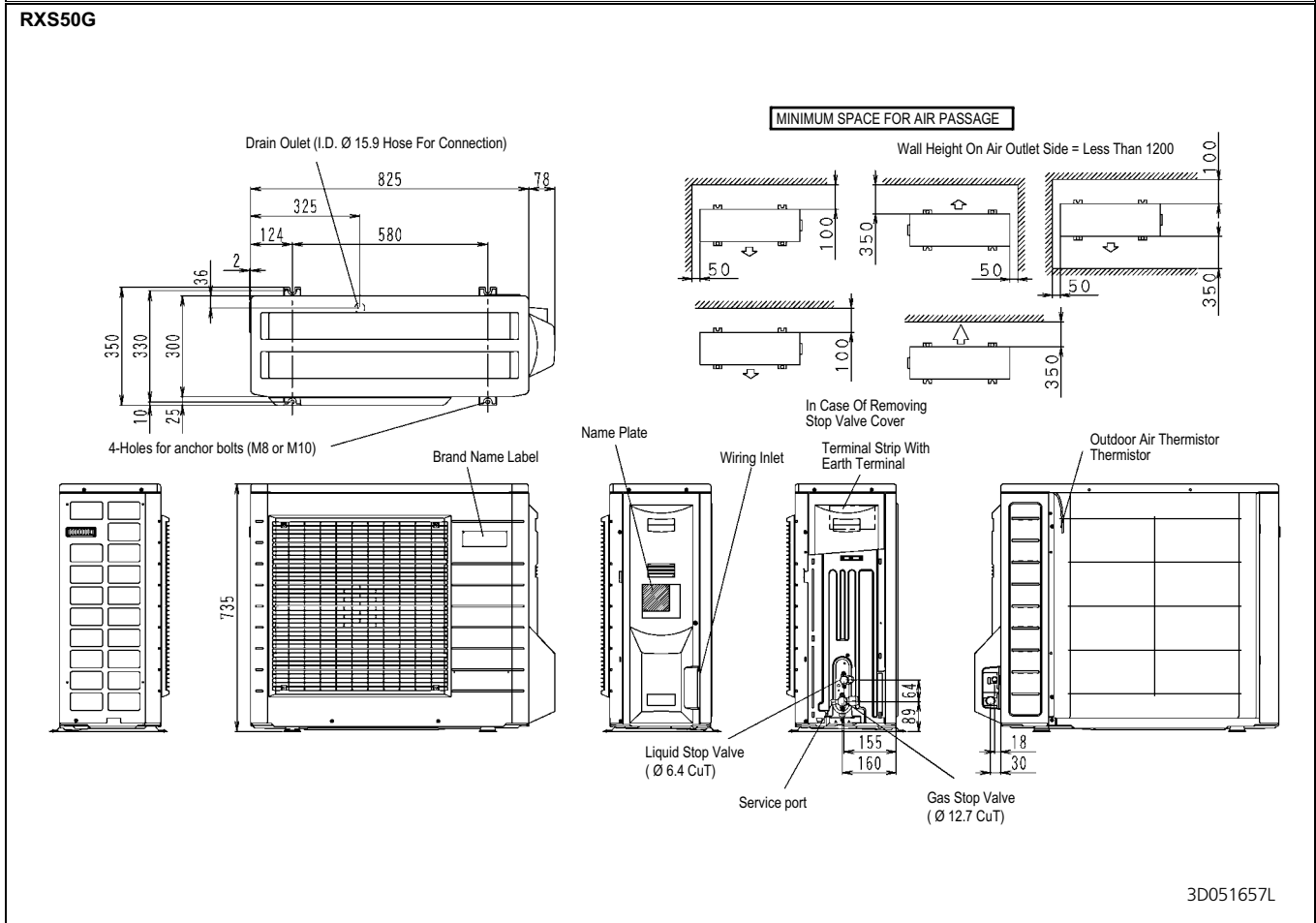
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length: 5 m
  - Level difference: 0 m
-  shows nominal (rated) capacities and power input.

# 5 Dimensional drawing & centre of gravity

## 5 - 1 Dimensional drawing



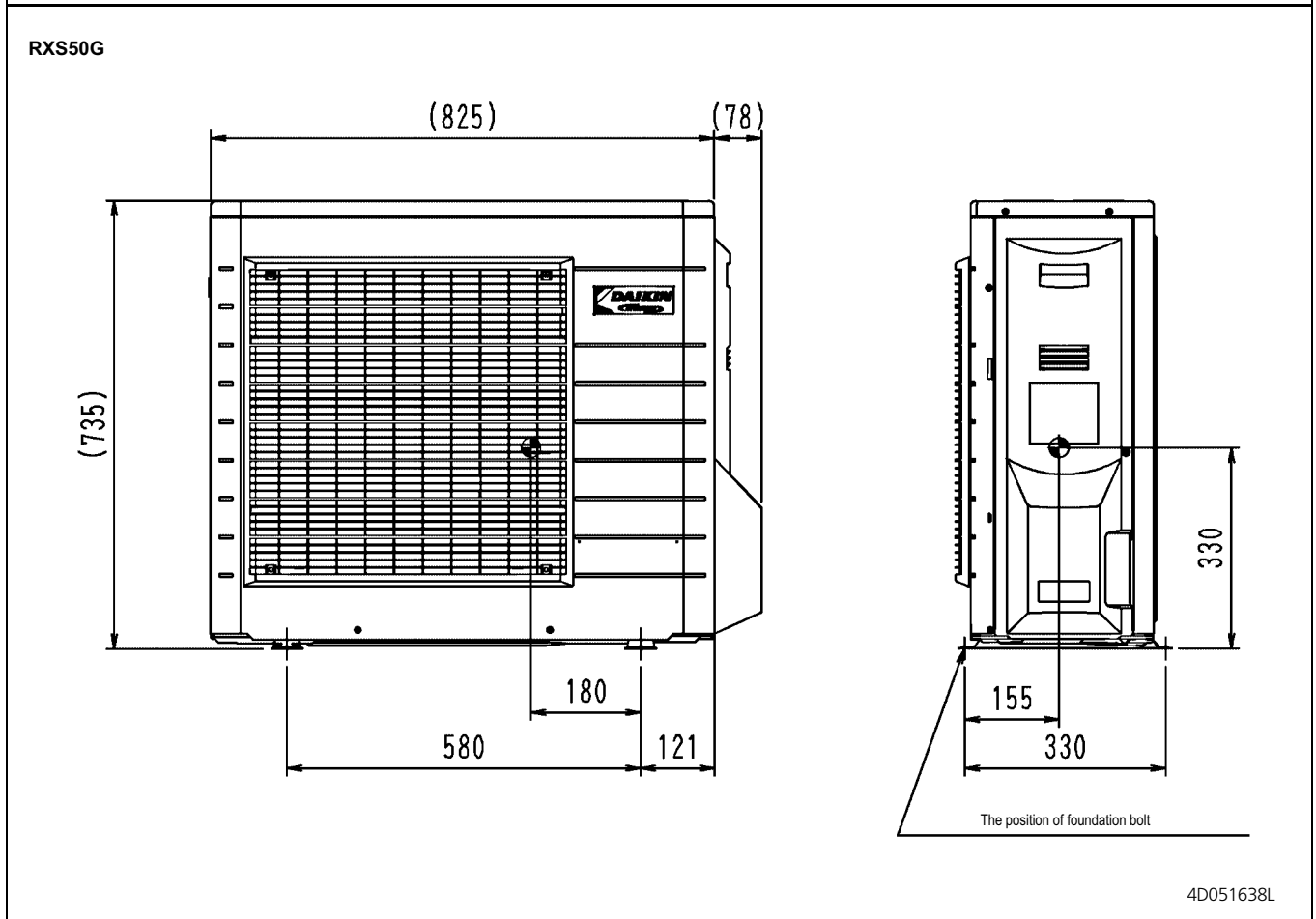
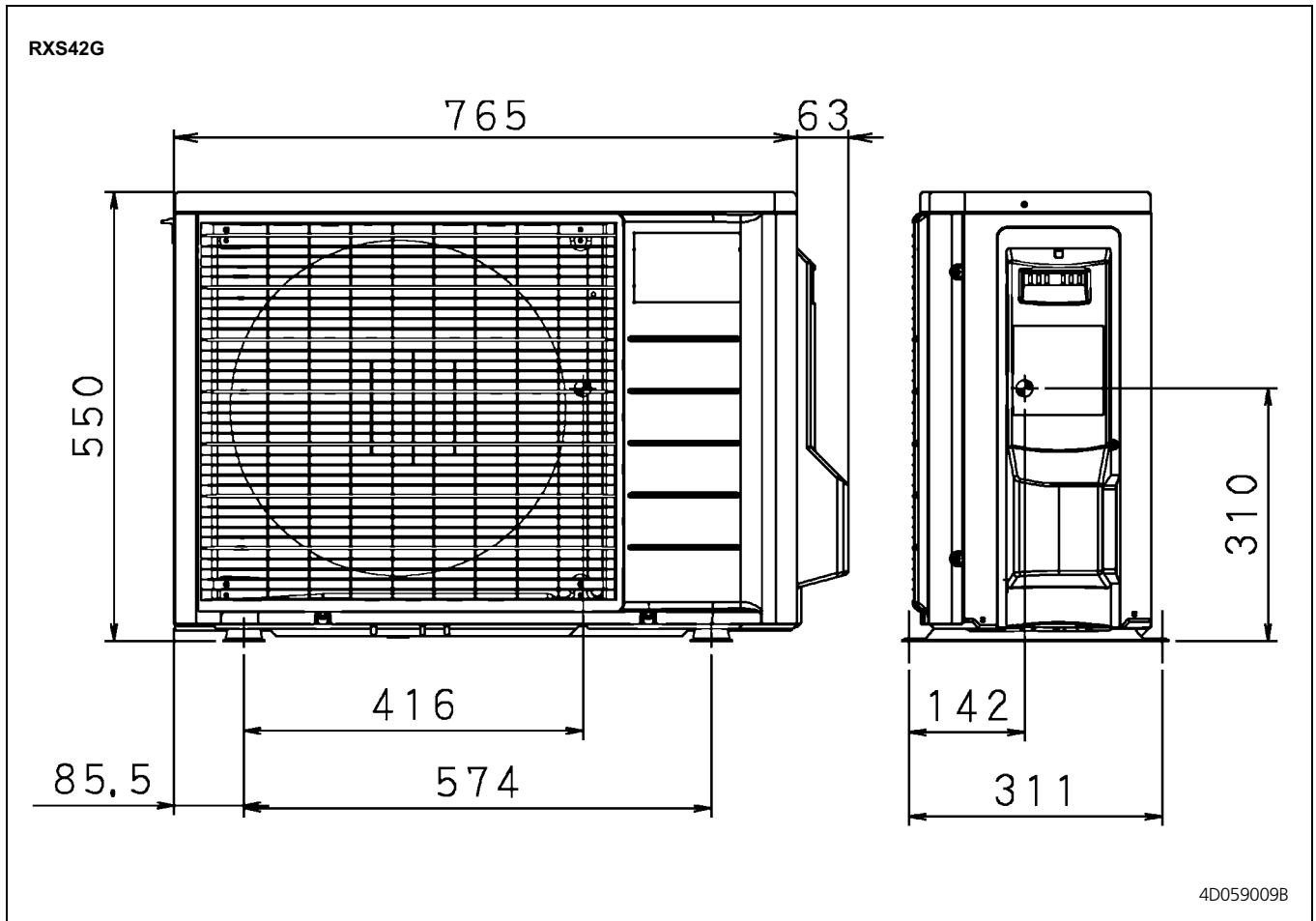
5



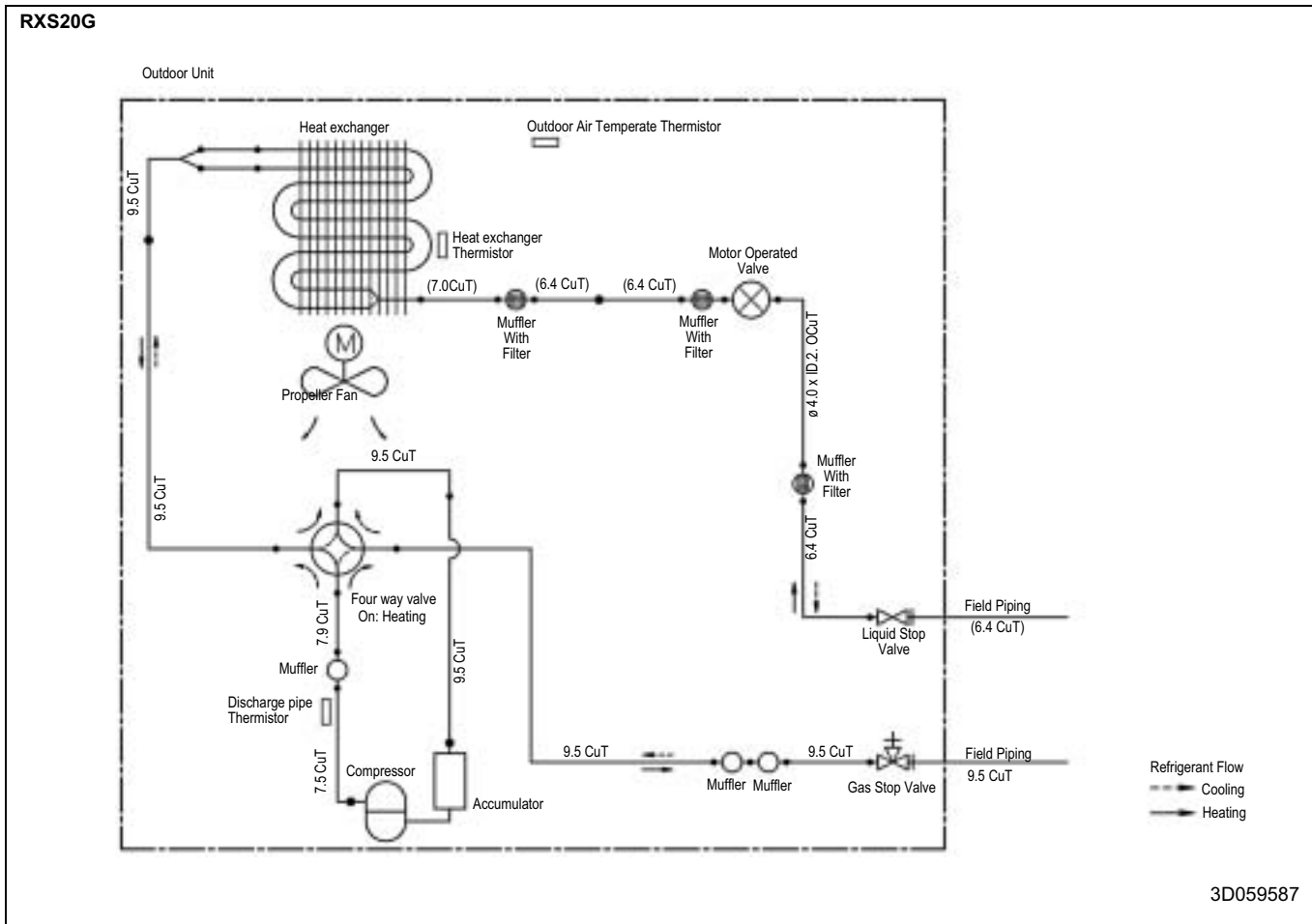
## 5 Dimensional drawing & centre of gravity

### 5 - 2 Centre of gravity

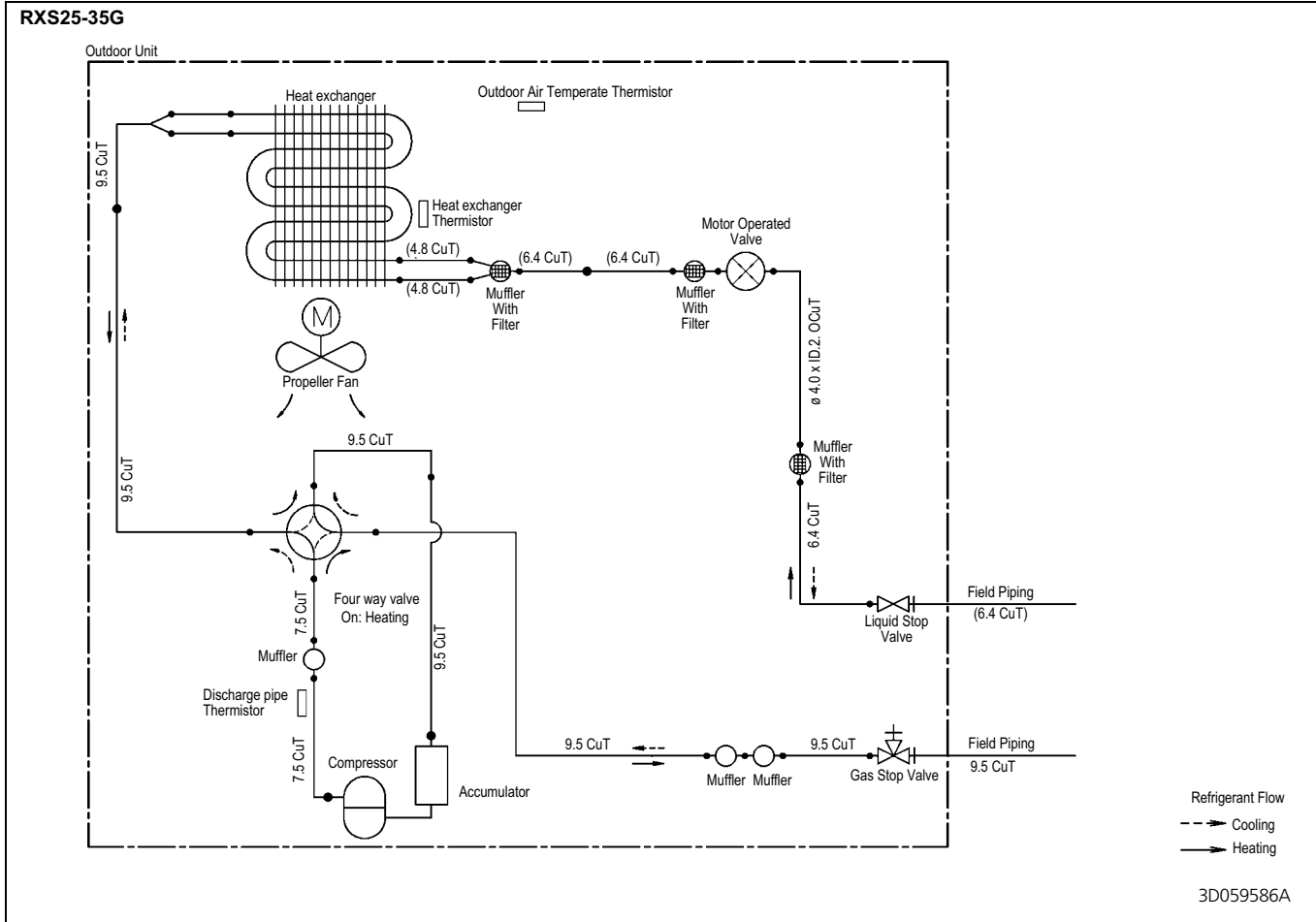
5



# 6 Piping diagram

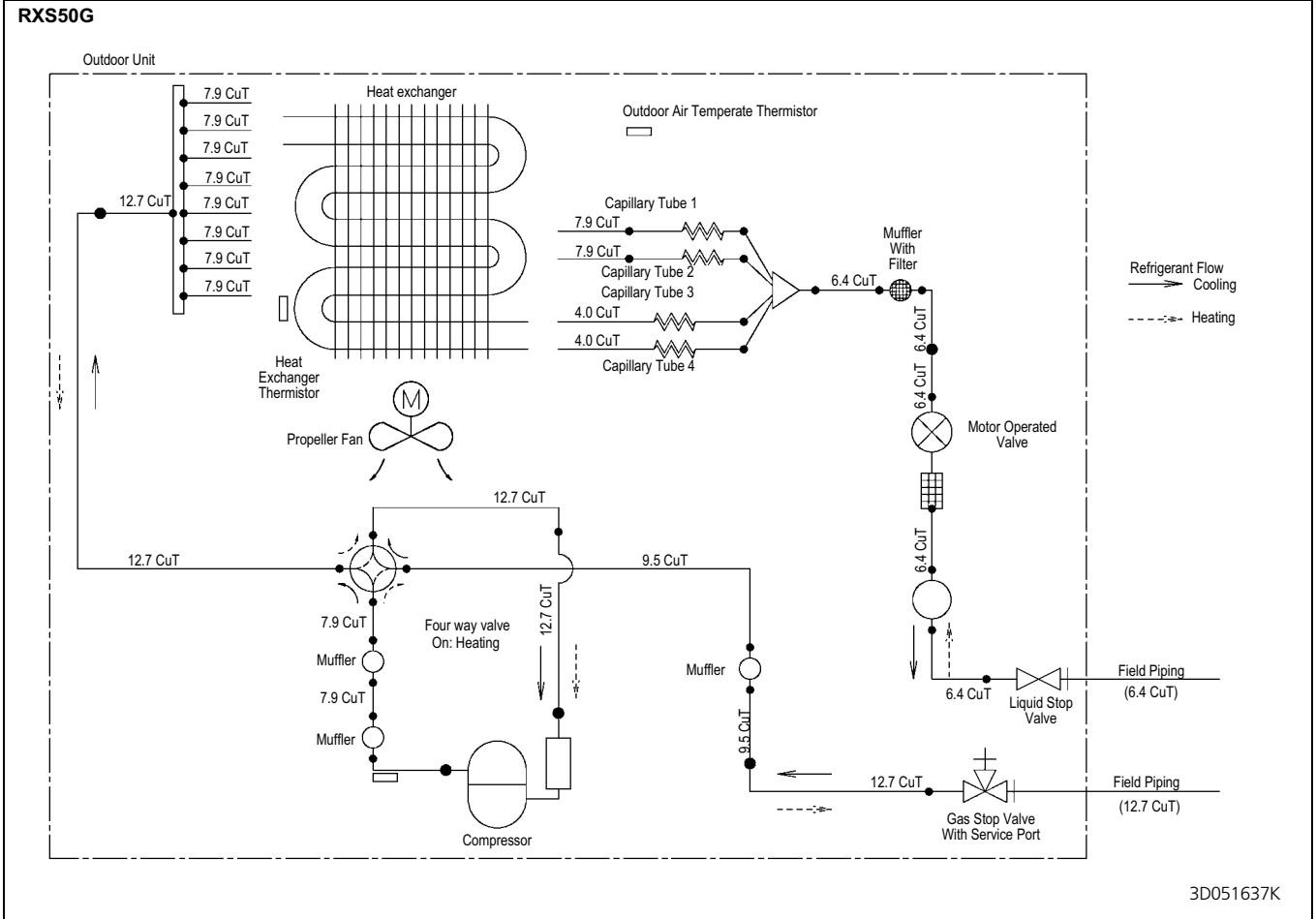
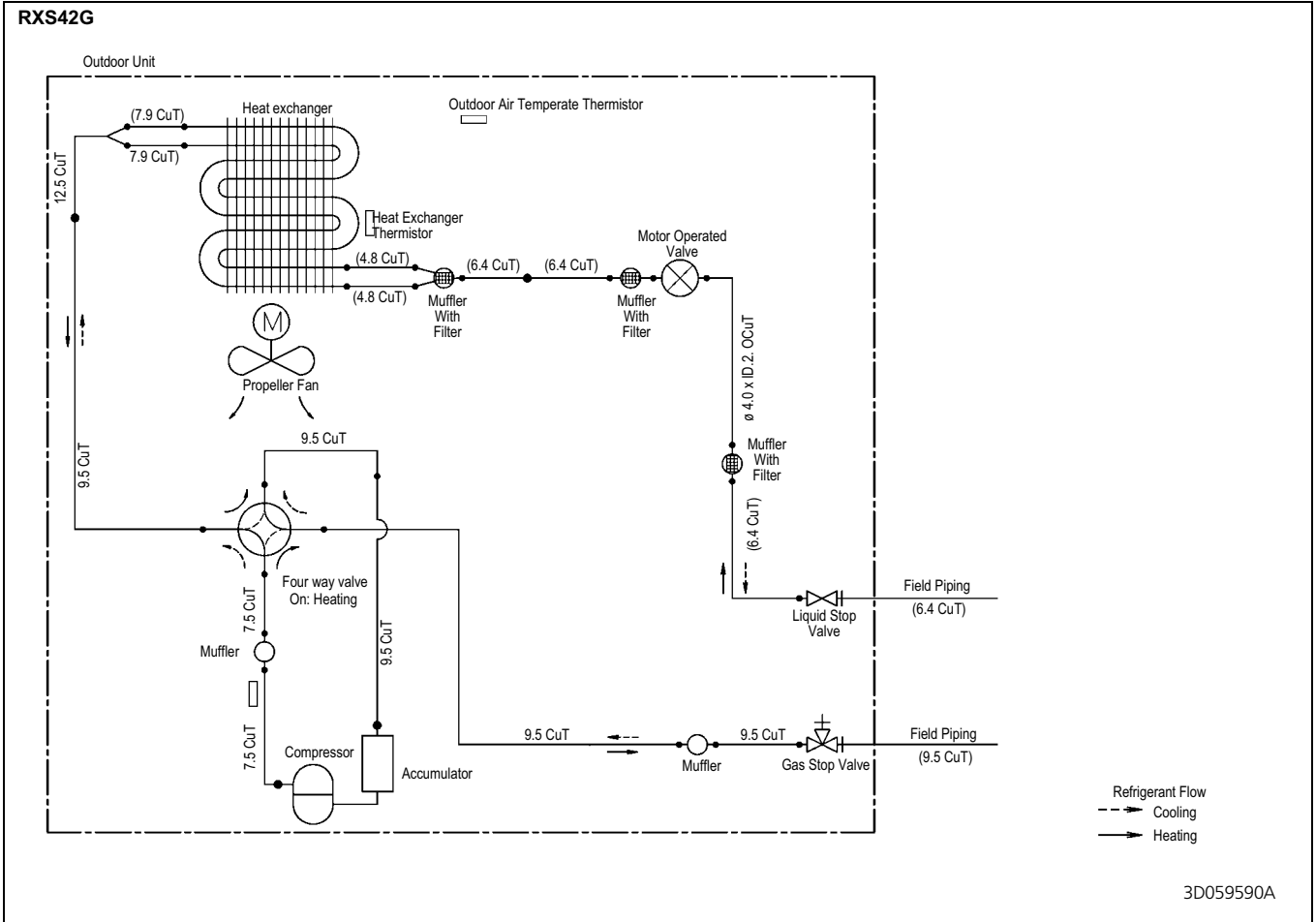


6



# 6 Piping diagram

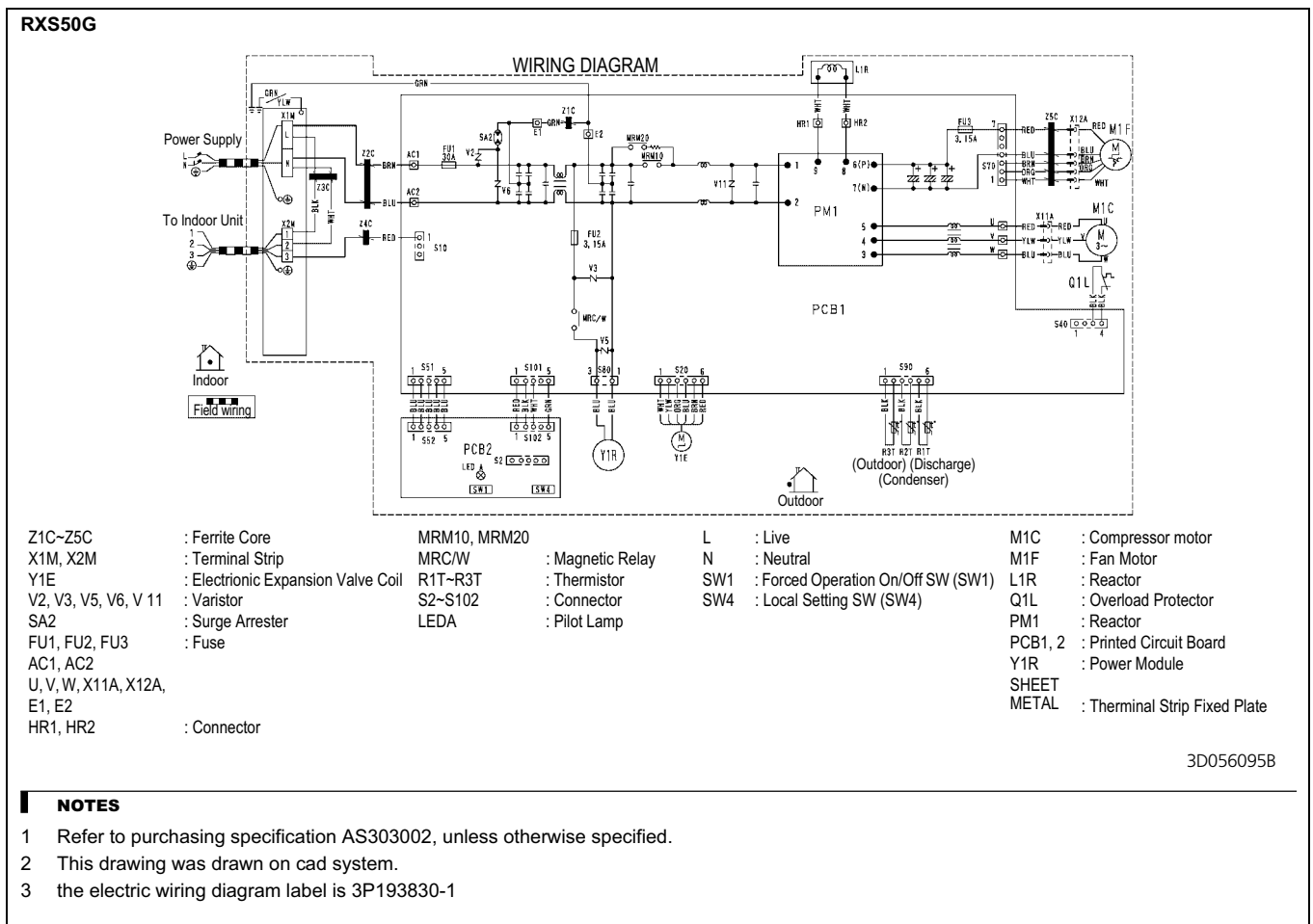
6





# 7 Wiring diagram

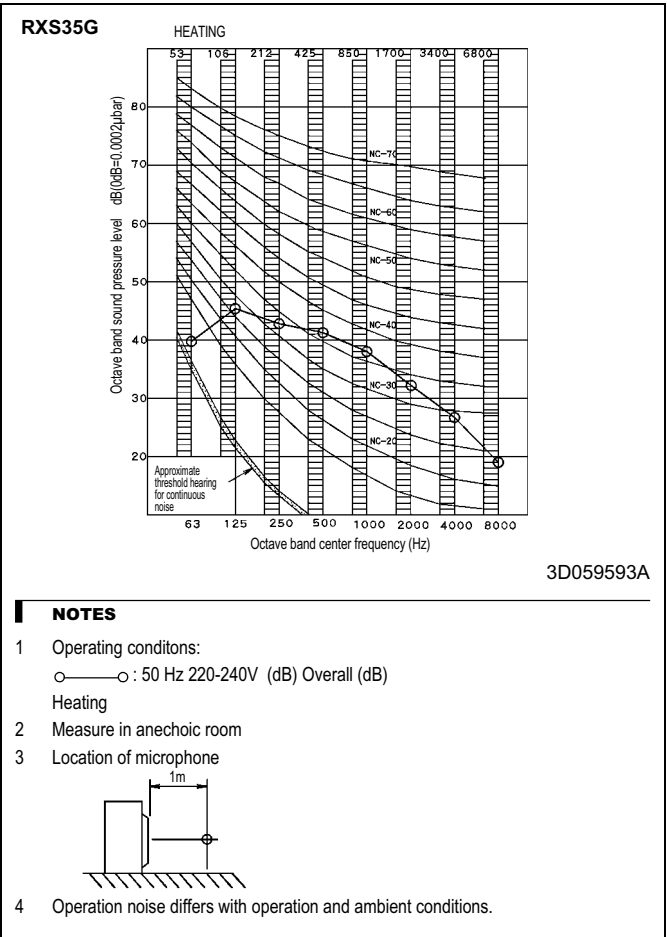
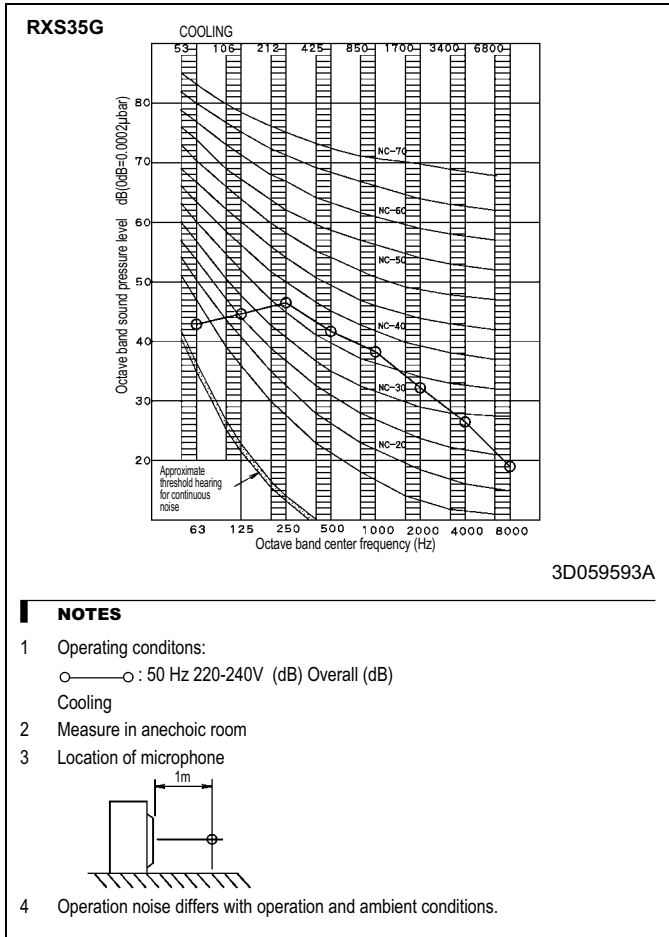
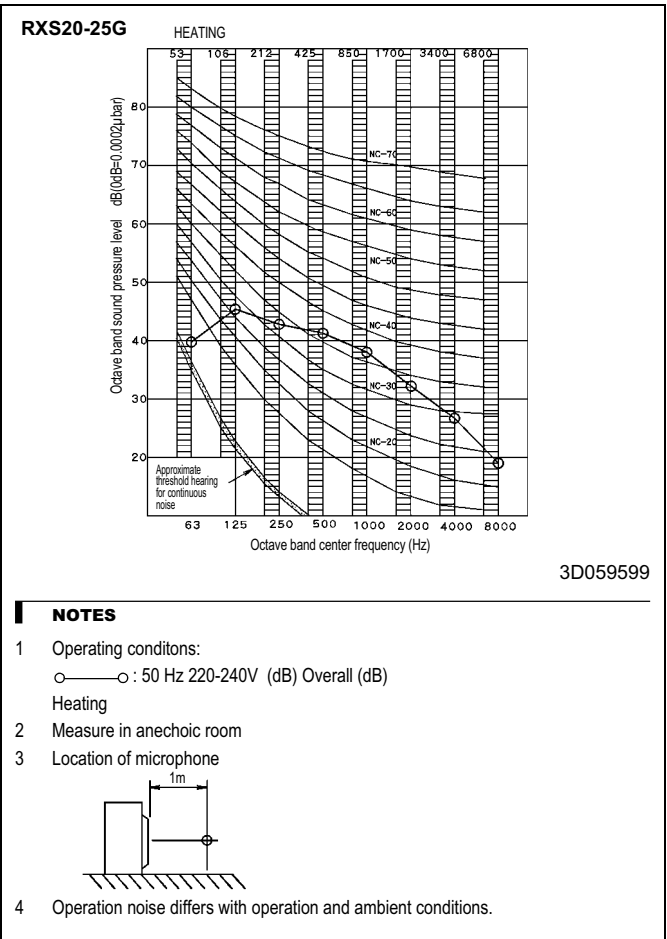
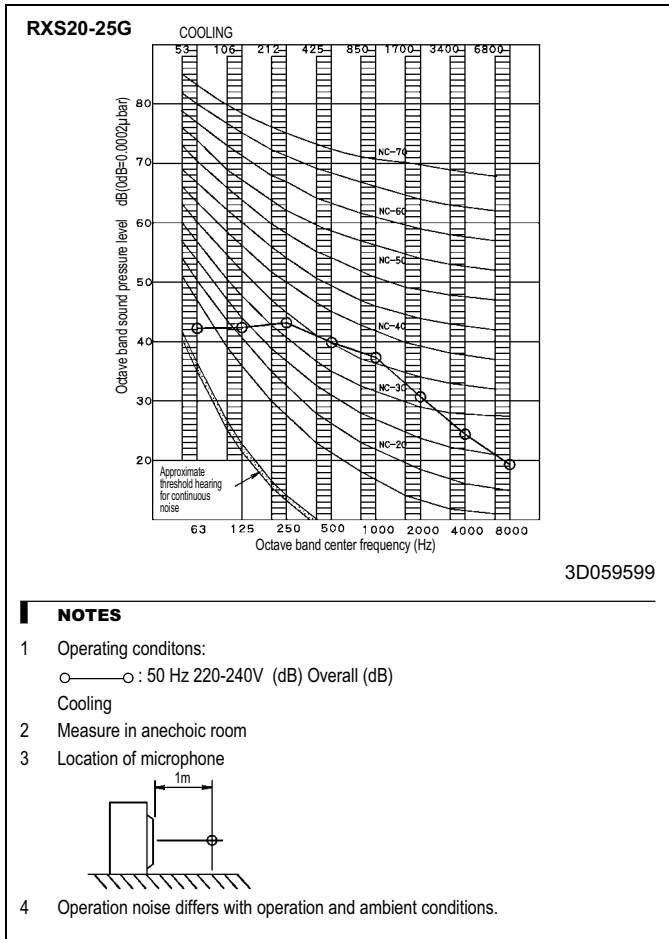
## 7 - 1 Wiring diagram





# 8 Sound data

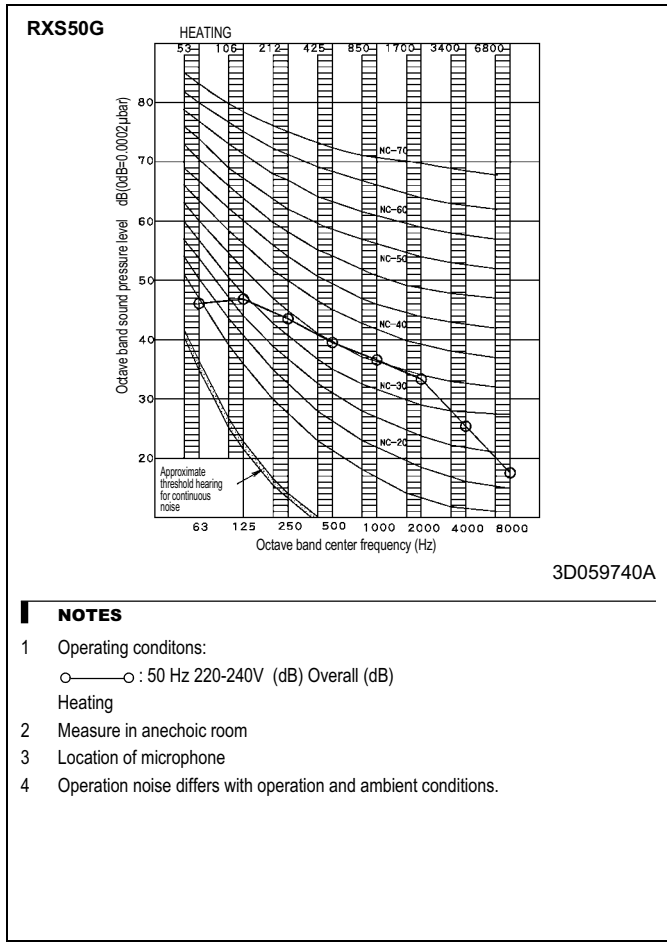
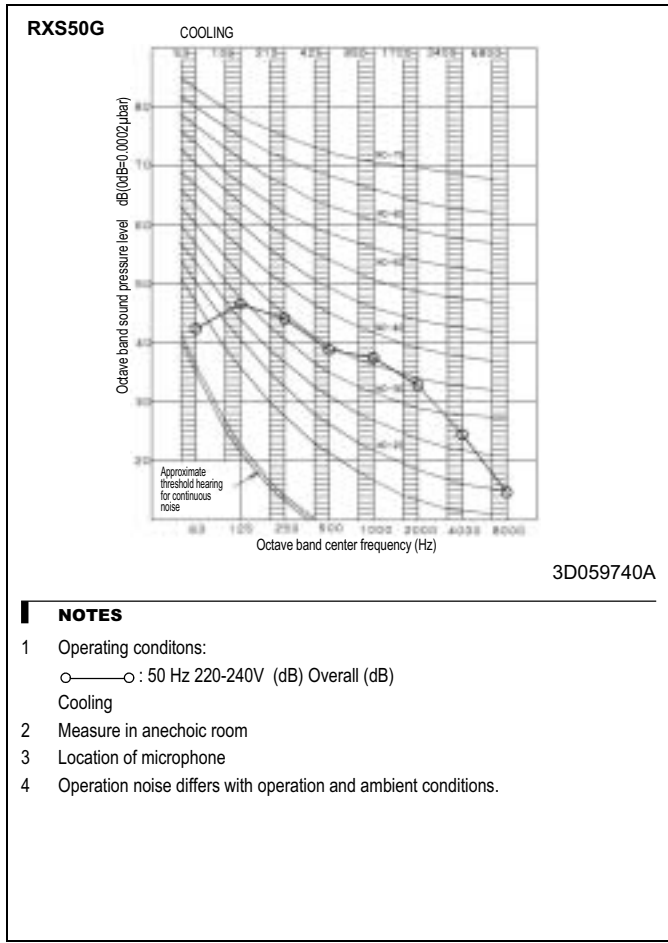
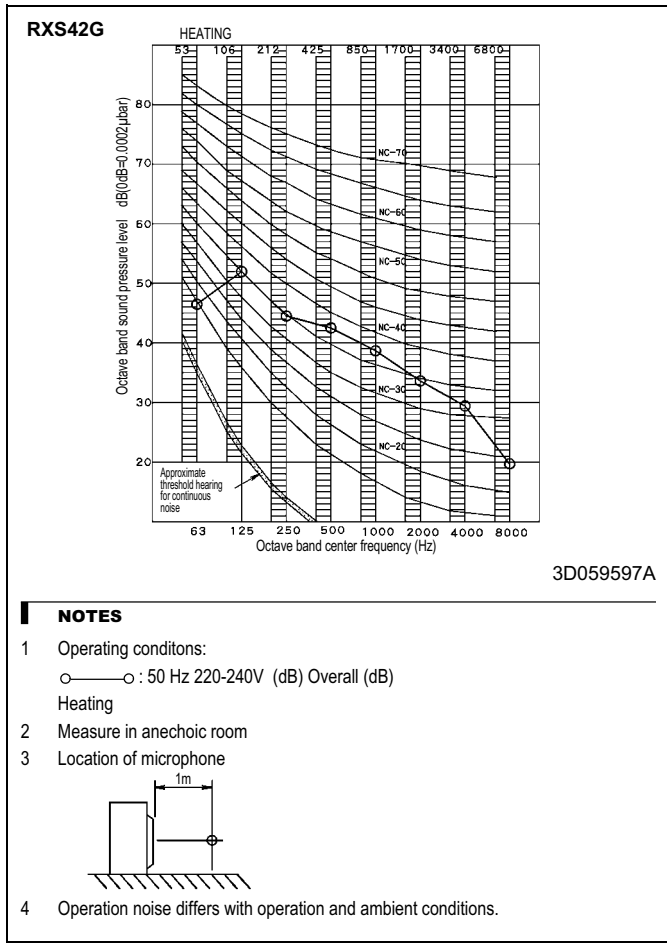
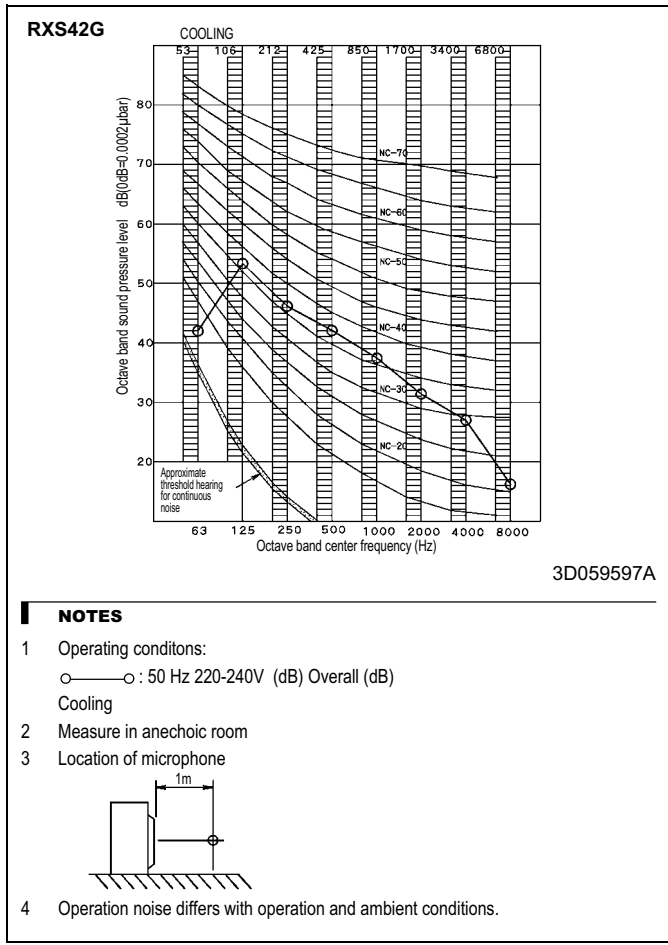
## 8 - 1 Sound pressure spectrum



# 8 Sound data

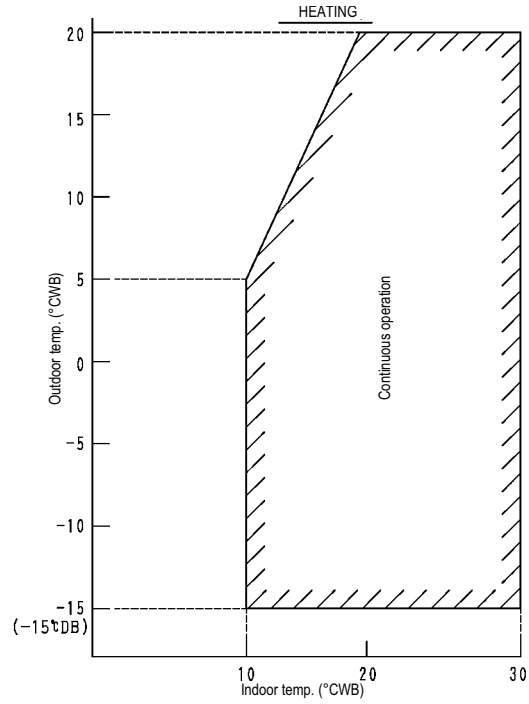
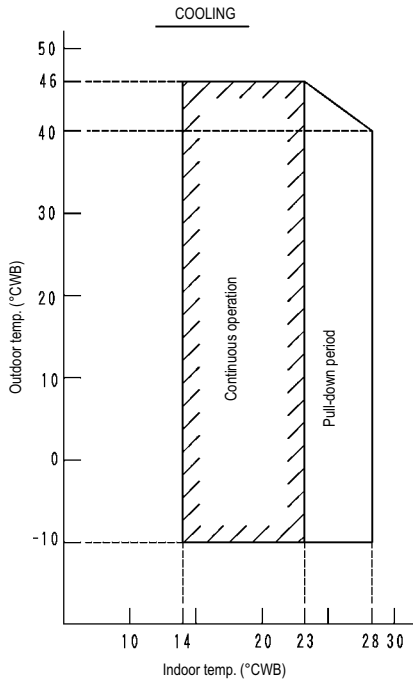
## 8 - 1 Sound pressure spectrum

8



# 9 Operation range

RXS20-42G

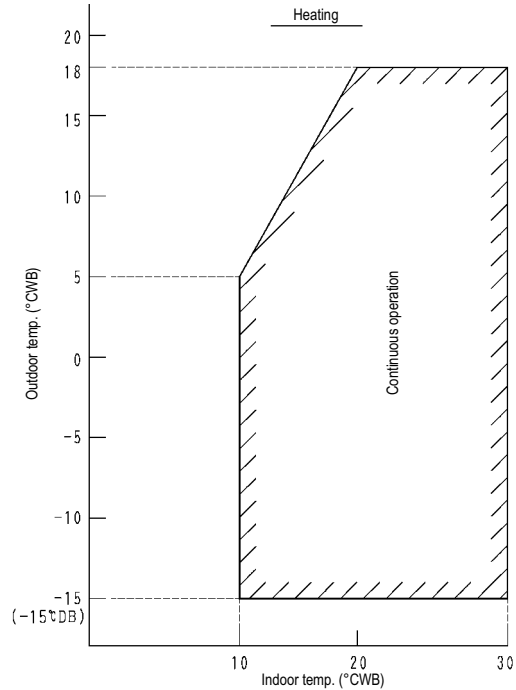
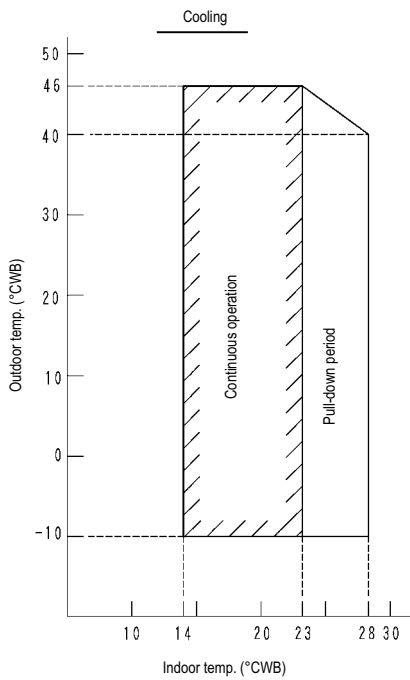


3D039536K

**NOTES**

- The graphs are based on the following conditions.
  - Equivalent piping length 7.5m
  - Level difference 0m
  - Air Flow Rate High

RXS50G



3D028318M

**NOTES**

- The graphs are based on the following conditions.
  - Equivalent piping length 7.5m
  - Level difference 0m
  - Air Flow Rate High



# Split - Sky Air



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intension to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

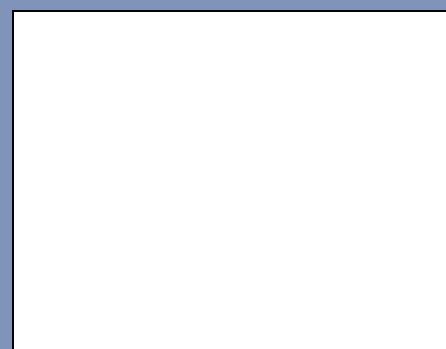


Daikin units comply with the European regulations that guarantee the safety of the product.



Daikin Europe N.V. is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.

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