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

2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RN50E3V1B	RN60E3V1B
For combination indoor units + outdoor units	Indoor Units			FTN50FV1B	FTN60FV1B
Cooling capacity	Standard	kW		5.0	6.0
Nominal input	Cooling	Standard	kW	1.55	1.99
For combination indoor units + outdoor units	EER	Nominal		3.23	3.02
	Energy Labeling Directive	Cooling		A	B
	Annual energy consumption		kWh	775	995
	Indoor Units			FLKS50BAVMB	FBQ60B8V1
Cooling capacity	Standard	kW		4.9	5.7
Nominal input	Cooling	Standard	kW	1.72	2.19
For combination indoor units + outdoor units	EER	Nominal		2.85	2.60
	Energy Labeling Directive	Cooling		C	E
	Annual energy consumption		kWh	860	1095
	Indoor Units			FBQ50B8V1	FFQ60B8V1B
Cooling capacity	Standard	kW		5.0	5.8
Nominal input	Cooling	Standard	kW	1.92	2.07
For combination indoor units + outdoor units	EER	Nominal		2.60	2.80
	Energy Labeling Directive	Cooling		E	D
	Annual energy consumption		kWh	960	1035
	Indoor Units			FFQ50B8V1B	FCQ60C7VEB
Cooling capacity	Standard	kW		4.7	5.7
Nominal input	Cooling	Standard	kW	1.8	1.64
For combination indoor units + outdoor units	EER	Nominal		2.61	3.48
	Energy Labeling Directive	Cooling		D	A
	Annual energy consumption		kWh	900	820
	Indoor Units			FCQ50C7VEB	FHQ60BVV1B
Cooling capacity	Standard	kW		5.0	5.7
Nominal input	Cooling	Standard	kW	1.41	2.15
For combination indoor units + outdoor units	EER	Nominal		3.55	2.65
	Energy Labeling Directive	Cooling		A	D
	Annual energy consumption		kWh	705	1075
	Indoor Units			FHQ50BVV1B	
Cooling capacity	Standard	kW		5.0	
Nominal input	Cooling	Standard	kW	1.83	
For combination indoor units + outdoor units	EER	Nominal		2.73	
	Energy Labeling Directive	Cooling		D	
	Annual energy consumption		kWh	915	

2 Specifications

2-2 TECHNICAL SPECIFICATIONS				RN50E3V1B	RN60E3V1B
Casing	Colour			Ivory White	
Dimensions	Unit	Height	mm	735	735
		Width	mm	825	825
		Depth	mm	300	300
	Packing	Height	mm	797	797
		Width	mm	960	960
		Depth	mm	390	390
Weight	Unit		kg	47	47
	Packed Unit		kg	52	52
Heat Exchanger	Dimensions	Length	mm	845	845
		Nr of Rows		2	2
		Fin Pitch	mm	1.80	1.80
		Nr of Stages		32	32
	Tube type			Hi-Xa(8)	
	Fin	Type		Waffle fin	
		Treatment		Anti-corrosion treatment (PE)	
Fan	Type			Propeller	
	Quantity			1	1
	Air Flow Rate (nominal at 230V)	Cooling	m^3/min	48.9	50.9
	Motor	Quantity		1	1
		Model		KFD-380-50-8A	
Motor	Speed (nominal)	Cooling	rpm	780	810
Fan	Motor	Output	W	53	53
Compressor	Quantity			1	1
	Motor	Model		2YC36BXD#A	
		Type		Hermetically sealed swing compressor	
		Motor Output	W	1100	1100
Operation Range	Cooling	Min	°CDB	-10.0	-10.0
		Max	°CDB	46.0	46.0
Sound Level (nominal)	Cooling	Sound Power	dBA	61.0	63.0
		Sound Pressure	dBA	47.0	49.0
Refrigerant	Type			R-410A	
	Charge		kg	1.5	1.5
Refrigerant Oil	Type			FVC50K	
	Charged Volume		l	0.65	0.65
Piping connections	Liquid (OD)	Quantity		1	1
		Diameter (OD)	mm	6.35	6.35
	Gas	Quantity		1	1
		Diameter (OD)	mm	12.7	12.7
	Drain	Quantity		1	1
		Diameter (OD)	mm	18	18
	Piping Length	Maximum	m	30	30
		Chargeless	m	10	10
	Additional Refrigerant Charge		kg/m	0.02/>10m	
	Max. internunit level difference		m	20.0	20
	Heat Insulation			Both liquid and gas pipes	

2 Specifications

2-2 TECHNICAL SPECIFICATIONS		RN50E3V1B	RN60E3V1B
Standard Accessories	Item	Installation manual	
	Quantity	1	1
Notes		Nominal cooling capacities are based on : indoor temperature : 270CDB, 190CWB, outdoor temperature : 350CDB, equivalent refrigerant piping : 7.5m, level difference : 0m.	

2-3 ELECTRICAL SPECIFICATIONS				RN50E3V1B	RN60E3V1B
Power Supply	Name			V1	
	Phase			1	1
	Frequency		Hz	50	50
	Voltage		V	220-240	
Current	Nominal running current (RLA)	Cooling (A)	A	7.15	8.62
	Starting current (cooling/ heating)		A	7.6	9.2
	Maximum Running Current		A		9.01
Wiring connections	For Power Supply	Quantity		3	3
	For connection with indoor	Quantity		4	4
		Remark		(included earth wiring)	(including earth wiring)

3 Features

4 Capacity tables

4 - 1 Cooling capacity tables

FTN50FV1B+RN50E3V1B

AFR	14.7
BF	0.28

Cooling **220-240V [50Hz]**

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	3.61	1.19	4.89	3.49	1.30	4.66	3.37	1.42	4.56	3.32	1.46	4.42	3.25	1.53	4.19	3.13	1.65
16.0	22	5.35	3.55	1.20	5.12	3.43	1.31	4.89	3.32	1.43	4.79	3.27	1.47	4.65	3.21	1.54	4.42	3.10	1.65
18.0	25	5.58	3.69	1.20	5.35	3.58	1.32	5.12	3.47	1.43	5.02	3.43	1.48	4.88	3.37	1.55	4.65	3.26	1.66
19.0	27	5.70	3.86	1.21	5.47	3.75	1.32	5.23	3.65	1.44	5.14	3.61	1.48	5.00	3.55	1.55	4.77	3.45	1.66
22.0	30	6.04	3.71	1.22	5.81	3.62	1.33	5.58	3.52	1.45	5.49	3.49	1.49	5.35	3.43	1.56	5.11	3.35	1.67
24.0	32	6.27	3.60	1.22	6.04	3.52	1.34	5.81	3.43	1.45	5.72	3.40	1.50	5.58	3.35	1.57	5.34	3.27	1.68

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SYMBOLS

AFR:	Air flow rate	(m^3/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

1 Ratings shown are net capacities which include a deduction for indoor fan motor heat

2 ▭ shows nominal (rated) capacities and power input.

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.)

4 About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.

5 Capacities are based on following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m

6 Air flow rate (AFR) and Bypass factor (BF) are taburated above.

FLKS50B+ RN50E

AFR	11.4
BF	0.18

Cooling capacity **50Hz 220-240V**

Indoor		Outdoor temperature (°C)																	
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	4.96	3.26	1.37	4.81	3.19	1.47	4.66	3.12	1.56	4.60	3.09	1.60	4.51	3.05	1.66	4.36	2.98	1.75
16.0	22	5.12	3.30	1.40	4.97	3.23	1.49	4.82	3.16	1.59	4.76	3.13	1.62	4.67	3.09	1.68	4.52	3.02	1.78
18.0	25	5.27	3.33	1.42	5.12	3.26	1.52	4.97	3.19	1.61	4.91	3.16	1.65	4.82	3.12	1.71	4.67	3.05	1.80
19.0	27	5.35	3.35	1.44	5.20	3.28	1.53	5.05	3.21	1.63	4.99	3.18	1.66	4.90	3.14	1.72	4.75	3.07	1.82
22.0	30	5.58	3.40	1.47	5.43	3.33	1.57	5.28	3.26	1.66	5.22	3.23	1.70	5.13	3.19	1.76	4.98	3.12	1.85
24.0	32	5.74	3.43	1.50	5.59	3.36	1.60	5.44	3.29	1.69	5.38	3.26	1.73	5.29	3.22	1.79	5.14	3.15	1.88

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SYMBOLS

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

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal cooling capacities and power input
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.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

4 Capacity tables

4 - 1 Cooling capacity tables

FFQ50B8V1B+RN50E3V1B

AFR	12.0
BF	0.16

Cooling **230V [50Hz]**

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	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

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SYMBOLS

AFR:	Air flow rate	(m^3/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

1 Ratings shown are net capacities which include a deduction for indoor fan motor heat

2 shows nominal (rated) capacities and power input.

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.)

4 SHC is based on each EWB and EDB
SHC* = SHC correction for other dry bulb
=0.02*AFR(m3/min.)*(1-BF)*(DB*-EDB)
Add SHC* to SHC.

5 Capacities are based on following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m

6 Air flow rate (AFR) and Bypass factor (BF) are taburated above.

4 Capacity tables

4 - 1 Cooling capacity tables

FBQ50B8V1+RN50E3V1B

Cooling **220-240V [50Hz]**

Outdoor	Indoor EWB (°C)	Indoor EDB (°C)	Outdoor temperature (°CDB) 20 TC	20 SHC	20 PI	25 TC	25 SHC	25 PI	30 TC	30 SHC	30 PI	32 TC	32 SHC	32 PI	35 TC	35 SHC	35 PI	40 TC	40 SHC	40 PI
50	14,0	20,0	5,1	3,6	1,57	4,9	3,5	1,67	4,8	3,4	1,76	4,7	3,4	1,80	4,6	3,4	1,86	4,5	3,3	1,95
	16,0	22,0	5,2	3,6	1,60	5,1	3,5	1,69	4,9	3,5	1,79	4,9	3,4	1,83	4,8	3,4	1,88	4,6	3,3	1,98
	18,0	25,0	5,4	3,6	1,62	5,2	3,6	1,72	5,1	3,5	1,81	5,0	3,5	1,85	4,9	3,4	1,91	4,8	3,4	2,00
	19,0	27,0	5,5	3,7	1,64	5,3	3,6	1,73	5,2	3,5	1,83	5,1	3,5	1,87	5,0	3,5	1,92	4,9	3,4	2,02
	22,0	30,0	5,7	3,7	1,68	5,5	3,6	1,77	5,4	3,6	1,87	5,3	3,5	1,90	5,2	3,5	1,96	5,1	3,4	2,06
	24,0	32,0	5,8	3,7	1,70	5,7	3,7	1,80	5,5	3,6	1,89	5,5	3,6	1,93	5,4	3,5	1,99	5,2	3,5	2,08

3TW25112-1B

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

1 Ratings shown are net capacities which include a deduction for indoor fan motor heat

2 shows nominal (rated) capacities and power input.

3 SHC is based on each EWB and EDB
SHC* = SHC correction for other dry bulb
= 0.29 x 60 x AFR [m^3/min.] x (1-BF) x (DB*-EDB)/860
Add SHC* to SHC if SHC > TC, then TC equal SHC

4 Direct interpolation is permissible.
Do not extrapolate.

5 Capacities are based on following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m

6 Air flow rate (AFR) and Bypass factor (BF) are taburated above.

Model		FBQ
35	AFR	11.5
	BF	0.15
50	AFR	14
	BF	0.15
60	AFR	19
	BF	0.11

4 Capacity tables

4 - 1 Cooling capacity tables

FCQ50C7VEB+RN50E3V1B

AFR	12.5
BF	0.21

Cooling **220-240V [50Hz]**

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	3.56	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

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SYMBOLS

AFR:	Air flow rate	(m^3/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

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

FTN60FV1B+RN60E3V1B

AFR	16.2
BF	0.29

Cooling **220-240V [50Hz]**

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	5.60	3.94	1.49	5.60	3.94	1.66	5.59	3.94	1.82	5.48	3.88	1.88	5.31	3.79	1.97	5.03	3.64	2.12
16.0	22	6.42	4.17	1.54	6.14	4.02	1.68	5.86	3.88	1.83	5.75	3.82	1.89	5.59	3.74	1.98	5.31	3.60	2.12
18.0	25	6.70	4.31	1.54	6.42	4.17	1.69	6.14	4.04	1.84	6.03	3.99	1.90	5.86	3.91	1.99	5.58	3.78	2.13
19.0	27	6.84	4.49	1.55	6.56	4.36	1.70	6.28	4.23	1.84	6.17	4.18	1.90	6.00	4.10	1.99	5.72	3.98	2.14
22.0	30	7.25	4.31	1.56	6.97	4.19	1.71	6.69	4.08	1.86	6.58	4.04	1.91	6.41	3.97	2.00	6.14	3.86	2.15
24.0	32	7.53	4.18	1.57	7.25	4.07	1.72	6.97	3.97	1.86	6.86	3.93	1.92	6.69	3.87	2.01	6.41	3.77	2.16

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SYMBOLS

AFR:	Air flow rate	(m^3/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

1 Ratings shown are net capacities which include a deduction for indoor fan motor heat

2 ▭ shows nominal (rated) capacities and power input.

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.)

4 About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.

5 Capacities are based on following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m

6 Air flow rate (AFR) and Bypass factor (BF) are taburated above.

4 Capacity tables

4 - 1 Cooling capacity tables

FFQ60B8V1B+RN60E3V1B

AFR	15.0
BF	0.11

Cooling **230V [50Hz]**

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	5.86	4.30	1.72	5.71	4.23	1.82	5.56	4.16	1.91	5.50	4.13	1.95	5.41	4.09	2.01	5.26	4.02	2.10
16.0	22	6.02	4.34	1.75	5.87	4.27	1.84	5.72	4.20	1.94	5.66	4.17	1.97	5.57	4.13	2.03	5.42	4.06	2.13
18.0	25	6.17	4.37	1.77	6.02	4.30	1.87	5.87	4.23	1.96	5.81	4.20	2.00	5.72	4.16	2.06	5.57	4.09	2.15
19.0	27	6.25	4.39	1.79	6.10	4.32	1.88	5.95	4.25	1.98	5.89	4.22	2.01	5.80	4.18	2.07	5.65	4.11	2.17
22.0	30	6.48	4.44	1.82	6.33	4.37	1.92	6.18	4.30	2.01	6.12	4.27	2.05	6.03	4.23	2.11	5.88	4.16	2.20
24.0	32	6.64	4.47	1.85	6.49	4.40	1.95	6.34	4.33	2.04	6.28	4.30	2.08	6.19	4.26	2.14	6.04	4.19	2.23

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SYMBOLS

AFR:	Air flow rate	(m^3/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

1 Ratings shown are net capacities which include a deduction for indoor fan motor heat

2 shows nominal (rated) capacities and power input.

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.)

4 SHC is based on each EWB and EDB
SHC* = SHC correction for other dry bulb
=0.02*AFR(m3/min.)*(1-BF)*(DB*-EDB)
Add SHC* to SHC.

5 Capacities are based on following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m

6 Air flow rate (AFR) and Bypass factor (BF) are taburated above.

4 Capacity tables

4 - 1 Cooling capacity tables

FBQ60B8V1+RN60E3V1B

Cooling **220-240V [50Hz]**

Outdoor	Indoor EWB (°C)	Indoor EDB (°C)	Outdoor temperature (°CDB) 20 TC	20 SHC	20 PI	25 TC	25 SHC	25 PI	30 TC	30 SHC	30 PI	32 TC	32 SHC	32 PI	35 TC	35 SHC	35 PI	40 TC	40 SHC	40 PI
60	14,0	20,0	5,8	4,6	1,84	5,6	4,6	1,94	5,5	4,5	2,03	5,4	4,5	2,07	5,3	4,4	2,13	5,2	4,3	2,22
	16,0	22,0	5,9	4,7	1,87	5,8	4,6	1,96	5,6	4,5	2,06	5,6	4,5	2,10	5,5	4,5	2,15	5,3	4,4	2,25
	18,0	25,0	6,1	4,7	1,89	5,9	4,6	1,99	5,8	4,6	2,08	5,7	4,5	2,12	5,6	4,5	2,18	5,5	4,4	2,27
	19,0	27,0	6,2	4,7	1,91	6,0	4,6	2,00	5,9	4,6	2,10	5,8	4,5	2,13	5,7	4,5	2,19	5,6	4,4	2,29
	22,0	30,0	6,4	4,8	1,95	6,2	4,7	2,04	6,1	4,6	2,14	6,0	4,6	2,17	5,9	4,6	2,23	5,8	4,5	2,33
	24,0	32,0	6,5	4,8	1,97	6,4	4,7	2,07	6,2	4,7	2,18	6,2	4,6	2,20	6,1	4,6	2,26	5,9	4,5	2,35

3TW25112-1B

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

1 Ratings shown are net capacities which include a deduction for indoor fan motor heat

2 shows nominal (rated) capacities and power input.

3 SHC is based on each EWB and EDB
SHC* = SHC correction for other dry bulb
= 0.29 x 60 x AFR [m^3/min.] x (1-BF) x (DB*-EDB)/860
Add SHC* to SHC if SHC > TC, then TC equal SHC

4 Direct interpolation is permissible.
Do not extrapolate.

5 Capacities are based on following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m

6 Air flow rate (AFR) and Bypass factor (BF) are taburated above.

Model		FBQ
35	AFR	11.5
	BF	0.15
50	AFR	14
	BF	0.15
60	AFR	19
	BF	0.11

4 Capacity tables

4 - 1 Cooling capacity tables

FCQ60C7VEB+RN60E3V1B

AFR	13.5
BF	0.21

Cooling **220-240V [50Hz]**

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	5.84	4.01	1.26	5.57	3.86	1.38	5.31	3.72	1.50	5.20	3.66	1.55	5.04	3.58	1.62	4.78	3.44	1.74
16.0	22	6.10	3.94	1.27	5.84	3.80	1.39	5.57	3.67	1.51	5.47	3.61	1.56	5.31	3.53	1.63	5.04	3.40	1.75
18.0	25	6.36	4.07	1.27	6.10	3.94	1.39	5.83	3.81	1.52	5.73	3.76	1.56	5.57	3.69	1.64	5.30	3.56	1.76
19.0	27	6.50	4.24	1.28	6.23	4.11	1.40	5.97	3.99	1.52	5.86	3.94	1.57	5.70	3.87	1.64	5.43	3.75	1.76
22.0	30	6.89	4.07	1.29	6.62	3.95	1.41	6.36	3.85	1.53	6.25	3.80	1.58	6.09	3.74	1.65	5.83	3.63	1.77
24.0	32	7.15	3.94	1.29	6.89	3.84	1.42	6.62	3.74	1.54	6.52	3.70	1.59	6.36	3.64	1.66	6.09	3.54	1.78

3D057251

SYMBOLS

AFR:	Air flow rate	(m^3/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

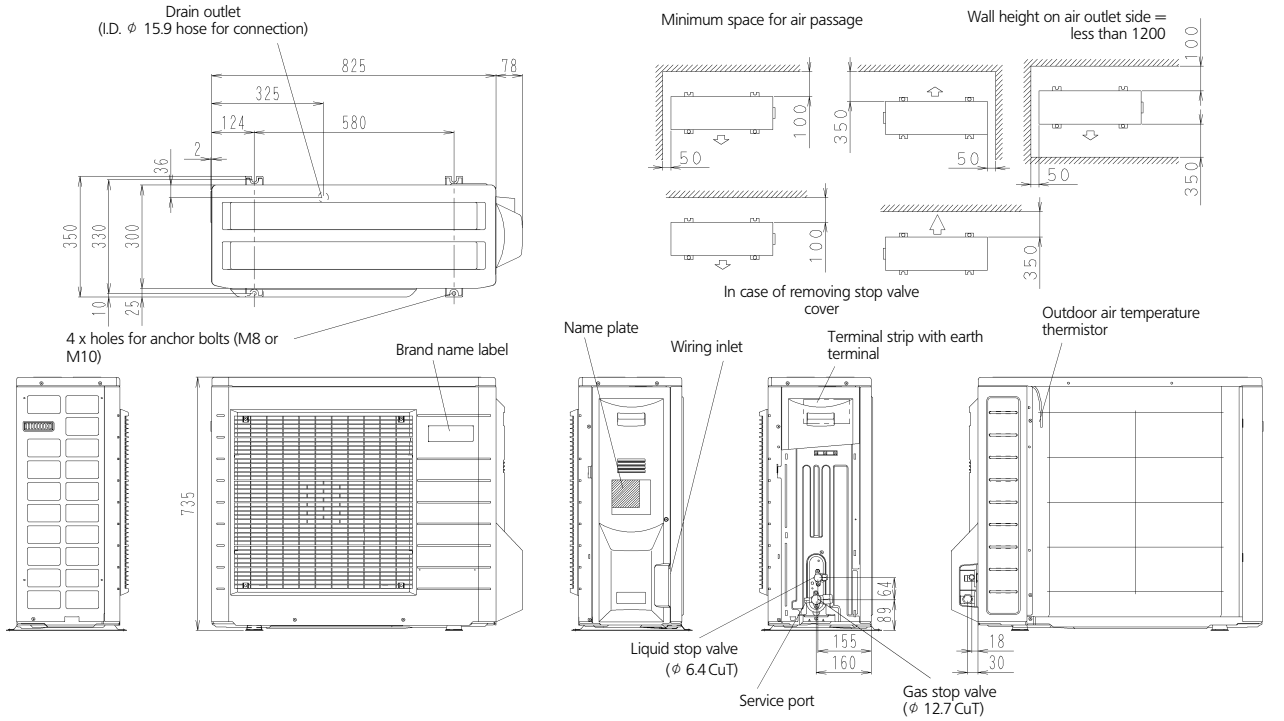
1. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5 m
   (2) Level difference: 0 m
2. ▭ shows nominal (rated) capacities and power input.

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

unit (mm)

RN50-60E



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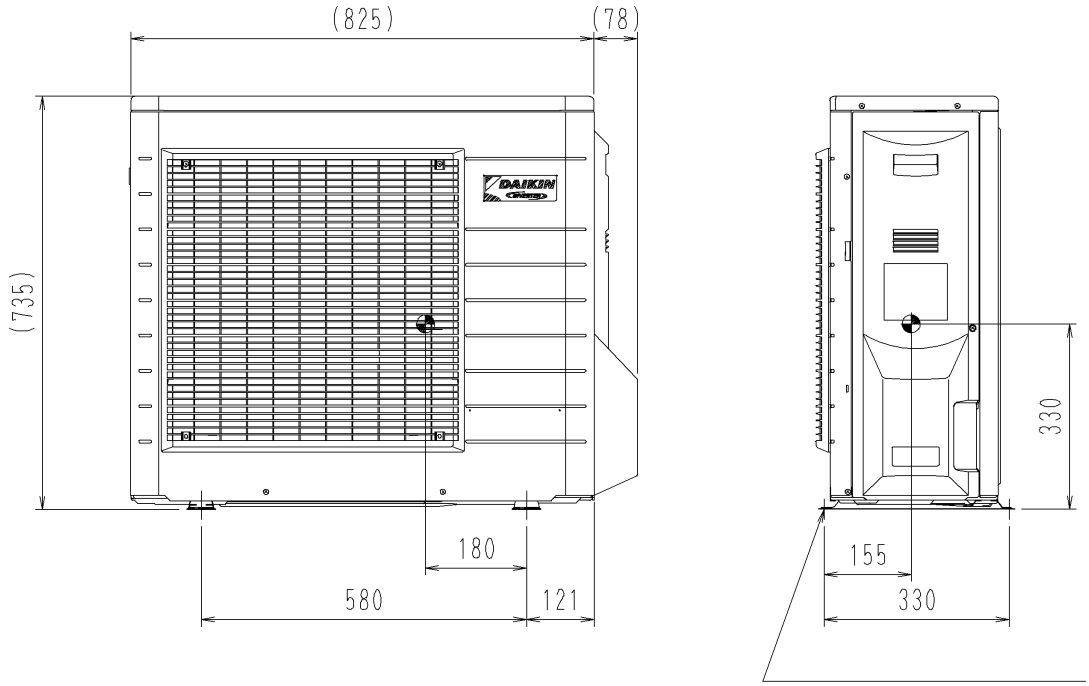
5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

RN50-60E



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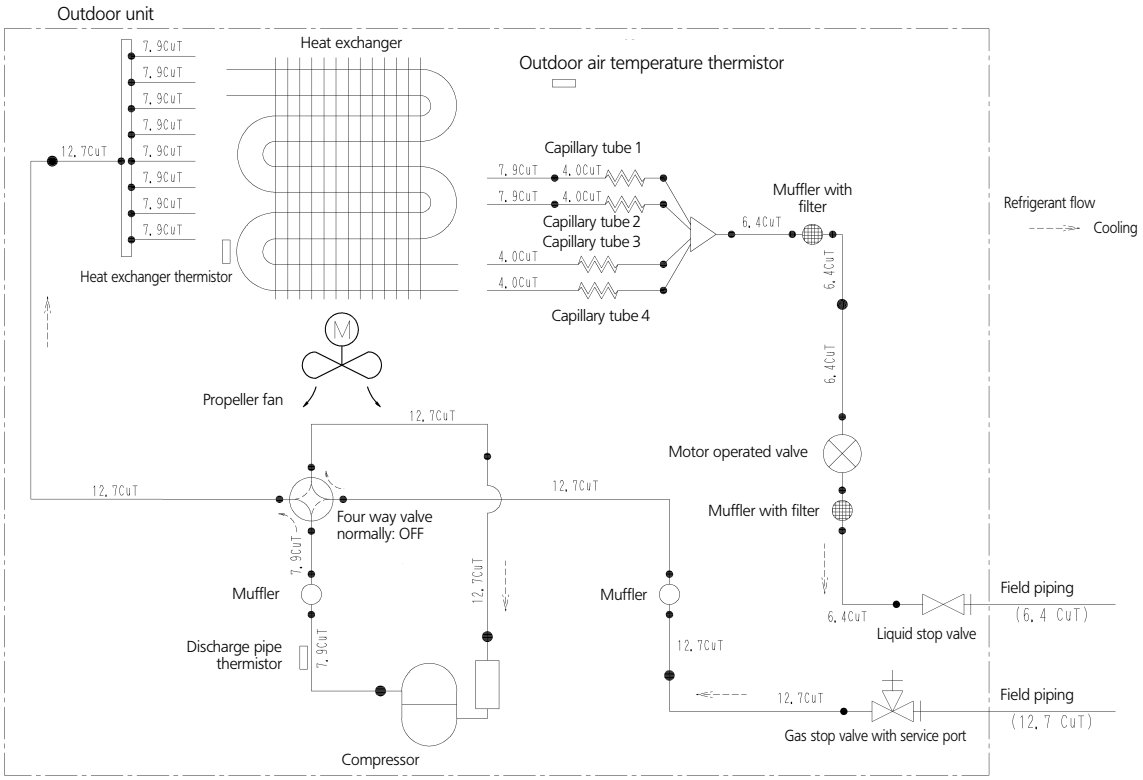
6 Piping diagram

RN50-60E



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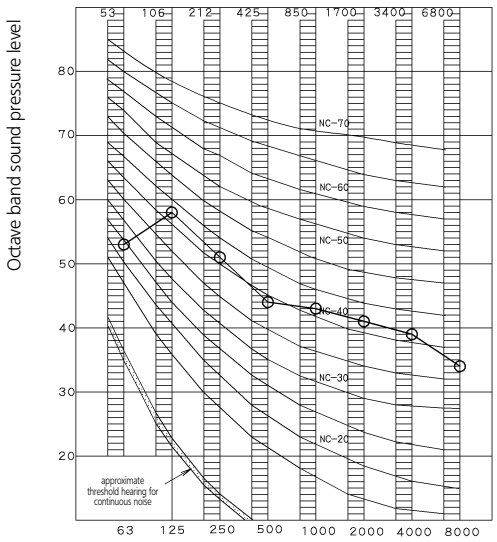
7 Sound data

7 - 1 Sound pressure spectrum

RN50E2V1B



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NOTES

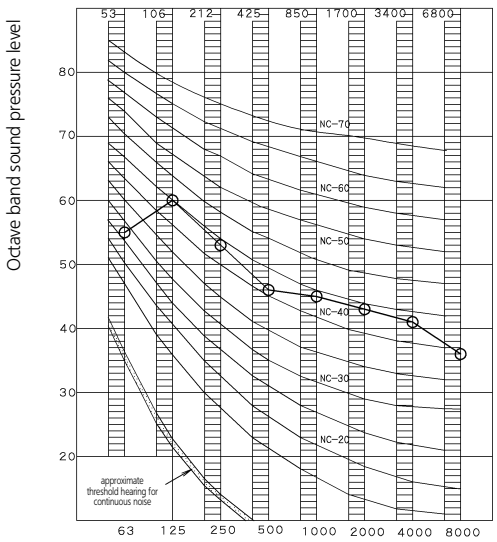
1 Measured in an echoic room

2 Operation noise differs with operation and ambient conditions.

Legend

50Hz, 220-240V

RN60E2V1B



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NOTES

1 Measured in an echoic room

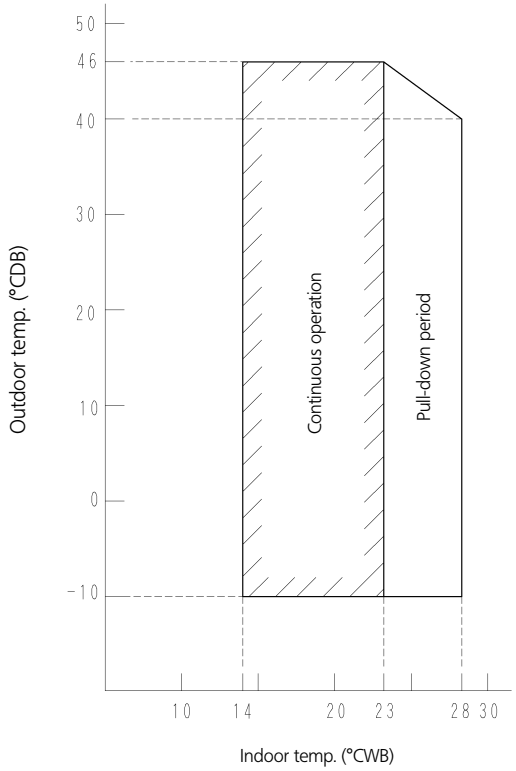
2 Operation noise differs with operation and ambient conditions.

Legend

50Hz, 220-240V

8 Operation range

RN50-60E



Notes:

The graph is based on the following conditions:

1. Equivalent piping length	7.5 m
2. Level difference	0 m
3. Air flow rate	high

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