

Air Conditioning Technical Data

RXG-L



TABLE OF CONTENTS

RXG-L

1	Features	2
2	Specifications	3
	Capacity and Power input	3
	Capacity and Power input	4
	Capacity and Power input	5
	Technical Specifications	5
	Electrical Specifications	7
3	Electrical data	8
4	Capacity tables	10
	Cooling/Heating Capacity Tables	10
5	Dimensional drawings	17
6	Centre of gravity	18
7	Piping diagrams	19
8	Wiring diagrams	20
	Wiring Diagrams - Single Phase	20
9	Sound data	21
	Sound Pressure Spectrum	21
10	Operation range	23

1 Features

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



Inverter



Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power input				FTXG20LW/RXG20L	FTXG25LW/RXG25L	FTXG35LW/RXG35L	FTXG50LW/RXG50L
Cooling capacity	Rated		kW	2.3 (1)	2.4 (1)	3.5 (1)	4.8 (1)
			Btu/h	7,800 (1)	8,200 (1)	11,900 (1)	16,400 (1)
			kcal/h	1,980 (1)	2,060 (1)	3,010 (1)	4,130 (1)
	Min.		kW	1.3 (1)		1.4 (1)	1.7 (1)
			Btu/h	4,400 (1)		4,800 (1)	5,800 (1)
			kcal/h	1,120 (1)		1,200 (1)	1,460 (1)
	Max.		kW	2.8 (1)	3.0 (1)	3.8 (1)	5.3 (1)
			Btu/h	9,500 (1)	10,200 (1)	13,000 (1)	18,100 (1)
			kcal/h	2,410 (1)	2,580 (1)	3,270 (1)	4,560 (1)
Heating capacity	Rated		kW	2.5 (1)	3.4 (1)	4.0 (1)	5.8 (1)
			Btu/h	8,500 (1)	11,600 (1)	13,600 (1)	19,800 (1)
			kcal/h	2,150 (1)	2,920 (1)	3,440 (1)	4,990 (1)
	Min.		kW	1.3 (1)		1.4 (1)	1.7 (1)
			Btu/h	4,400 (1)		4,800 (1)	5,800 (1)
			kcal/h	1,120 (1)		1,200 (1)	1,460 (1)
	Max.		kW	4.3 (1)	4.5 (1)	5.0 (1)	6.5 (1)
			Btu/h	14,600 (1)	15,400 (1)	17,100 (1)	22,200 (1)
			kcal/h	3,700 (1)	3,870 (1)	4,300 (1)	5,590 (1)
Power input	Cooling	Min.	kW	0.320 (1)		0.350 (1)	0.370 (1)
		Nom.	kW	0.501 (1)	0.523 (1)	0.882 (1)	1.360 (1)
		Max.	kW	0.760 (1)	0.820 (1)	1.190 (1)	1.880 (1)
	Heating	Min.	kW	0.310 (1)		0.320 (1)	0.310 (1)
		Nom.	kW	0.500 (1)	0.769 (1)	0.985 (1)	1.589 (1)
		Max.	kW	1.120 (1)	1.320 (1)	1.490 (1)	2.490 (1)
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+++		A++	
		Pdesign	kW	2.30	2.40	3.50	4.80
		SEER		8.52	8.50	7.00	6.70
		Annual energy consumption	kWh	94	99	175	251
	Heating (Average climate)	Energy label		A++		A+	
		Pdesign	kW	2.10	2.70	3.00	4.60
		SCOP/A		4.60		4.24	
		Annual energy consumption	kWh	639	821	913	1,519
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.5			12.7
	Drain	OD	mm	18			
	Heat insulation			Both liquid and gas pipes			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.8 (2) / 2.7 / 2.6	2.9 (2) / 2.8 / 2.7	5.0 (2) / 4.8 / 4.6	6.5 (2) / 6.2 / 5.9
		Heating	A	2.8 (2) / 2.7 / 2.6	4.4 (2) / 4.2 / 4.0	5.5 (2) / 5.3 / 5.1	7.4 (2) / 7.1 / 6.8
Nominal efficiency	EER			4.59 (3)		3.97 (3)	3.53 (3)
	COP			5.00 (3)	4.42 (3)	4.06 (3)	3.65 (3)
	Annual energy consumption		kWh	250.5	261.5	441	680
	Energy label	Cooling		A			
		Heating		A			

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

(2) 240V

(3) EER/COP according to Eurovent 2012, for use outside EU only

SL: The silent fan level of the air flow rate setting

220V

230V

2 Specifications

2-2 Capacity and Power input				FTXG25LS/RXG25L	FTXG20LS/RXG20L	FTXG35LS/RXG35L	FTXG50LS/RXG50L
Cooling capacity	Rated		kW	2.4 (1)	2.3 (1)	3.5 (1)	4.8 (1)
			Btu/h	8,200 (1)	7,800 (1)	11,900 (1)	16,400 (1)
			kcal/h	2,060 (1)	1,980 (1)	3,010 (1)	4,130 (1)
	Min.		kW	1.3 (1)		1.4 (1)	1.7 (1)
			Btu/h	4,400 (1)		4,800 (1)	5,800 (1)
			kcal/h	1,120 (1)		1,200 (1)	1,460 (1)
	Max.		kW	3.0 (1)	2.8 (1)	3.8 (1)	5.3 (1)
			Btu/h	10,200 (1)	9,500 (1)	13,000 (1)	18,100 (1)
			kcal/h	2,580 (1)	2,410 (1)	3,270 (1)	4,560 (1)
Heating capacity	Rated		kW	3.4 (1)	2.5 (1)	4.0 (1)	5.8 (1)
			Btu/h	11,600 (1)	8,500 (1)	13,600 (1)	19,800 (1)
			kcal/h	2,920 (1)	2,150 (1)	3,440 (1)	4,990 (1)
	Min.		kW	1.3 (1)		1.4 (1)	1.7 (1)
			Btu/h	4,400 (1)		4,800 (1)	5,800 (1)
			kcal/h	1,120 (1)		1,200 (1)	1,460 (1)
	Max.		kW	4.5 (1)	4.3 (1)	5.0 (1)	6.5 (1)
			Btu/h	15,400 (1)	14,600 (1)	17,100 (1)	22,200 (1)
			kcal/h	3,870 (1)	3,700 (1)	4,300 (1)	5,590 (1)
Power input	Cooling	Min.	kW	0.320 (1)		0.350 (1)	0.370 (1)
		Nom.	kW	0.523 (1)	0.501 (1)	0.882 (1)	1.360 (1)
		Max.	kW	0.820 (1)	0.760 (1)	1.190 (1)	1.880 (1)
	Heating	Min.	kW	0.310 (1)		0.320 (1)	0.310 (1)
		Nom.	kW	0.769 (1)	0.500 (1)	0.985 (1)	1.589 (1)
		Max.	kW	1.320 (1)	1.120 (1)	1.490 (1)	2.490 (1)
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+++		A++	
		Pdesign	kW	2.40	2.30	3.50	4.80
		SEER		8.50	8.52	7.00	6.70
		Annual energy consumption	kWh	99	94	175	251
	Heating (Average climate)	Energy label		A++		A+	
		Pdesign	kW	2.70	2.10	3.00	4.60
		SCOP/A		4.60		4.24	
		Annual energy consumption	kWh	821	639	913	1,519
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.5			12.7
	Drain	OD	mm	18.0			
	Heat insulation			Both liquid and gas pipes			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.9 (2) / 2.8 / 2.7	2.8 (2) / 2.7 / 2.6	5.0 (2) / 4.8 / 4.6	6.5 (2) / 6.2 / 5.9
		Heating	A	4.4 (2) / 4.2 / 4.0	2.8 (2) / 2.7 / 2.6	5.5 (2) / 5.3 / 5.1	7.4 (2) / 7.1 / 6.8
Nominal efficiency	EER			4.59 (3)		3.97 (3)	3.53 (3)
	COP			4.42 (3)		4.06 (3)	3.65 (3)
	Annual energy consumption			kWh	261.5	250.5	441
	Energy label	Cooling		A			
		Heating		A			

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

(2) 240V

(3) EER/COP according to Eurovent 2012, for use outside EU only

SL: The silent fan level of the air flow rate setting

220V

230V

2 Specifications

2-3 Capacity and Power input				FVXG25K/RXG25L	FVXG35K/RXG35L	FVXG50K/RXG50L
Cooling capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
	Nom.		kW	2.5 (1)	3.5 (1)	5.0 (1)
			Btu/h	8,500 (1)	11,900 (1)	17,100 (1)
	Max.		kW	3.0	3.8	5.6
			Btu/h	10,200	13,000	19,100
Heating capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
	Nom.		kW	3.4 (2)	4.5 (2)	5.8 (2)
			Btu/h	11,600 (2)	15,400 (2)	19,800 (2)
	Max.		kW	4.5	5.0	8.1
			Btu/h	15,400	17,100	27,600
Power input	Cooling	Min.	kW	0.30	0.31	4.50
		Nom.	kW	0.54	0.94	1.51
		Max.	kW	0.79	1.15	2.00
	Heating	Min.	kW	0.29		0.50
		Nom.	kW	0.77	1.21	1.57
		Max.	kW	1.27	1.46	2.66
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		A
		Pdesign	kW	2.50	3.50	5.00
		SEER		6.53	6.48	5.41
		Annual energy consumption	kWh	134	189	324
	Heating (Average climate)	Energy label		A++		A+
		Pdesign	kW	2.80	3.10	4.60
		SCOP/A		4.65	4.00	4.18
		Annual energy consumption	kWh	842	1,087	1,543
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		12.7
Nominal efficiency	EER			4.63	3.72	3.31
	COP			4.42	3.75	3.69
	Annual energy consumption		kWh	270	470	755
	Energy label	Cooling		A		
		Heating		A		

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB

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

Energy label: scale from A (most efficient) to G (less efficient)

Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)

220V

230V

240V

When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

2-4 Technical Specifications				RXG20L	RXG25L	RXG35L	RXG50L
Capacity control	Method			Inverter controlled			
Casing	Colour			Ivory white			
Dimensions	Unit	Height	mm	550		735	
		Width	mm	765		825	
		Depth	mm	285		300	
	Packed unit	Height	mm	612		797	
		Width	mm	906		992	
		Depth	mm	402		437	

2 Specifications

2-4 Technical Specifications					RXG20L	RXG25L	RXG35L	RXG50L	
Weight	Unit			kg	35			48	
	Packed unit			kg	38			52	
Packing	Weight			kg	3			4	
Heat exchanger	Length			mm	805			845	
	Rows		Quantity		2				
	Fin pitch			mm	1.4			1.8	
	Stages		Quantity		24			32	
	Tube type				ø7 Hi-XD			ø8 G2E	
	Fin		Type		Waffle louvered fin			Colgate fin	
	Compressor	Model				1YC23APXD			2YC36GXD
Type				Hermetically sealed swing compressor					
Output			W	600			1,100		
Fan	Type				Propeller fan				
	Air flow rate	Cooling	High	m³/min	34.5		37.0	49.8	
				cfm	1,218		1,306	1,758	
			Super low	m³/min	31.0			42.6	
				cfm	1,094			1,504	
		Heating	High	m³/min	31.1			44.8	
				cfm	1,098			1,581	
			Super low	m³/min	26.4			38.3	
				cfm	932			1,352	
Fan motor	Model				D23H-28			KFD-380-50-8C	
	Output			W	23			53	
	Speed	Cooling	High	rpm	860		920	780	
			Super low	rpm	780			670	
		Heating	High	rpm	860			720	
			Super low	rpm	740			670	
			Sound power level	Cooling			dBA	61	
Heating				dBA	62		63		
Sound pressure level	Cooling	High		dBA	46		48		
		Silent operation		dBA	43		44		
	Heating	High	dBA	47		48			
		Silent operation	dBA	44		45	44		
Operation range	Cooling	Ambient	Min.	°CDB	-10 (1)				
			Max.	°CDB	46				
	Heating	Ambient	Min.	°CWB	-15				
			Max.	°CWB	18				
Refrigerant	Type				R-410A				
	Charge			kg	1.05		1.6		
				TCO _{2eq}	2.2		3.3		
	GWP				2,087.5				
Piping connections	Liquid	OD		mm	6.35				
	Gas	OD		mm	9.5		12.7		
	Drain	ID		mm	-				
		OD		mm	18				
	Piping length	OU - IU	Max.	m	20		30		
		System	Chargeless	m	10				
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20		
	Refrigerant oil	Type				FVC50K			
Charged volume			l	0.375		0.395			

Standard Accessories : Joint (drain); Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

2 Specifications

2-5 Electrical Specifications				RXG20L	RXG25L	RXG35L	RXG50L
Power supply	Name			V1			
	Phase			1~			
	Frequency	Hz		50			
	Voltage	V		220-240			
Current - 50Hz	Maximum fuse amps (MFA)		A	16			20
Current	Nominal running current (RLA)	Cooling	A	2.68 (2) / 2.58 (3) / 2.48 (4)	2.78 (2) / 2.68 (3) / 2.58 (4)	4.84 (2) / 4.64 (3) / 4.44 (4)	6.34 (2) / 6.04 (3) / 5.74 (4)
		Heating	A	2.65 (2) / 2.55 (3) / 2.45 (4)	4.24 (2) / 4.04 (3) / 3.84 (4)	5.29 (2) / 5.09 (3) / 4.89 (4)	7.19 (2) / 6.89 (3) / 6.59 (4)
	Starting current	Cooling	A	2.8	4.4	5.5	7.4
		Heating	A	2.8	4.4	5.5	7.4
Current - 60Hz	Maximum fuse amps (MFA)		A	-			
Wiring connections	For power supply	Remark		3 for power supply, 4 for interunit wiring (including earth wiring)			

Notes

(1) Operation range in combination with Nexura, FVXG-K, cooling: min. 10°CDB - max. 46°CDB; heating: min. -15°CWB - max. 18°CWB

(2) 220V

(3) 230V

(4) 240V

SL: The silent fan level of the air flow rate setting

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

3

RXG20-35L

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXG20LV18W FTXG20LV1BS	RXG20L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	40	2.4	23	0.23	40	0.15
							2.3				
							2.2				
FTXG25LV18W FTXG25LV1BS	RXG25L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	42	2.6	23	0.23	40	0.15
							2.4				
							2.3				
FTXG35LV18W FTXG35LV1BS	RXG35L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	68	4.7	23	0.23	40	0.15
							4.4				
							4.2				

3D086658

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 : Fan Motor Rated Output (W)

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.

RXG25-35L

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXG25K2V1B	RXG25L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	47	2.6	23	0.23	32	0.16
							2.5				
							2.4				
FVXG35K2V1B	RXG35L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	72	4.4	23	0.23	32	0.16
							4.2				
							4.0				

3D072090B

SYMBOLS

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 operating 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.

3 Electrical data

3 - 1 Electrical Data

RXG50L

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXG50K2V1B	RXG50L2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	70	6.7	53	0.27	32	0.16
		50 - 230					6.3				
		50 - 240					6.1				

3D072099C

SYMBOLS

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 operating 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.

RXG50L

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXG50LV1BW FTXG50LV1BS	RXG50L2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	66	6.1	53	0.27	40	0.15
		50 - 230					5.8				
		50 - 240					5.6				

3D086655

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 : Fan Motor Rated Output (W)

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

FTXG20LV1BW + RXG20L2V1B

FTXG20LV1BS + RXG20L2V1B

A	8.9
B	0.11

Cooling 50Hz 220-240V

Indoor		Outdoor temperature [°C DB]																	
C	D	20			25			30			32			35			40		
°C	°C	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G
14.0	20	2.36	1.96	0.38	2.25	1.91	0.42	2.14	1.86	0.46	2.10	1.84	0.47	2.04	1.82	0.49	1.93	1.77	0.53
16.0	22	2.46	1.93	0.39	2.36	1.88	0.42	2.25	1.84	0.46	2.21	1.82	0.47	2.14	1.79	0.50	2.03	1.75	0.53
18.0	25	2.57	2.05	0.39	2.46	2.01	0.42	2.35	1.97	0.46	2.31	1.95	0.48	2.25	1.93	0.50	2.14	1.88	0.54
19.0	27	2.62	2.19	0.39	2.51	2.15	0.43	2.41	2.11	0.46	2.36	2.10	0.48	2.30	2.07	0.50	2.19	2.03	0.54
22.0	30	2.78	2.13	0.39	2.67	2.09	0.43	2.57	2.05	0.47	2.52	2.04	0.48	2.46	2.02	0.50	2.35	1.98	0.54
24.0	32	2.89	2.08	0.39	2.78	2.05	0.43	2.67	2.01	0.47	2.63	2.00	0.48	2.56	1.98	0.51	2.46	1.95	0.54

A	10.2
---	------

Heating 50Hz 220-240V

Indoor		Outdoor temperature [°C WB]									
D		-10		-5		0		6		10	
°C		E	G	E	G	E	G	E	G	E	G
15.0		1.68	0.42	1.97	0.44	2.25	0.46	2.59	0.49	2.81	0.51
20.0		1.60	0.43	1.88	0.45	2.16	0.48	2.50	0.50	2.73	0.52
22.0		1.56	0.44	1.84	0.46	2.13	0.48	2.47	0.50	2.69	0.52
24.0		1.53	0.44	1.81	0.46	2.09	0.48	2.43	0.51	2.66	0.53
25.0		1.51	0.45	1.79	0.47	2.07	0.49	2.41	0.51	2.64	0.53
27.0		1.48	0.45	1.76	0.47	2.04	0.49	2.38	0.52	2.61	0.53

3D086725

Symbols

- A Air flow rate [m³/min]
- B Bypass factor
- C Wet-bulb temperature [°C WB]
- D Dry-bulb temperature [°C DB]
- E Total capacity [kW]
- F Sensible heat capacity [kW]
- G Power input [kW]

Notes

1. These figures assume the following operation conditions
 - (1) Corresponding refrigerant piping length: 5 m
 - (2) Height difference between outdoor unit and indoor unit: 0 m
2. ☐ Nominal capacity and nominal input

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXG25LV1BW + RXG25L2V1B

FTXG25LV1BS + RXG25L2V1B

A	11
B	11

Cooling 50Hz 220-240V

Indoor		Outdoor temperature [°C DB]																	
C	D	20			25			30			32			35			40		
°C	°C	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G
14.0	20	2.46	2.01	0.40	2.35	1.96	0.44	2.24	1.91	0.48	2.19	1.89	0.49	2.12	1.86	0.51	2.01	1.80	0.55
16.0	22	2.57	1.98	0.40	2.46	1.93	0.44	2.35	1.88	0.48	2.30	1.86	0.49	2.23	1.83	0.52	2.12	1.78	0.55
18.0	25	2.68	2.10	0.40	2.57	2.05	0.44	2.46	2.01	0.48	2.41	1.99	0.50	2.34	1.96	0.52	2.23	1.92	0.56
19.0	27	2.74	2.24	0.40	2.62	2.20	0.44	2.51	2.15	0.48	2.47	2.13	0.50	2.40	2.11	0.52	2.29	2.07	0.56
22.0	30	2.90	2.17	0.41	2.79	2.13	0.45	2.68	2.09	0.49	2.63	2.08	0.50	2.57	2.05	0.52	2.45	2.02	0.56
24.0	32	3.01	2.12	0.41	2.90	2.09	0.45	0.79	2.05	0.49	2.74	2.04	0.50	2.68	2.02	0.53	2.56	1.98	0.56

A	11
---	----

Heating 50Hz 220-240V

Indoor		Outdoor temperature [°C WB]									
D		-10		-5		0		6		10	
°C		E	G	E	G	E	G	E	G	E	G
15.0		2.29	0.65	2.67	0.68	3.06	0.71	3.52	0.75	3.82	0.78
20.0		2.17	0.67	2.56	0.70	2.94	0.73	3.40	0.77	3.71	0.80
22.0		2.12	0.68	2.51	0.71	2.89	0.74	3.35	0.78	3.66	0.80
24.0		2.08	0.68	2.46	0.71	2.85	0.75	3.31	0.78	3.61	0.81
25.0		2.05	0.69	2.44	0.72	2.82	0.75	3.28	0.79	3.59	0.81
27.0		2.01	0.69	2.39	0.72	2.77	0.76	3.24	0.79	3.54	0.82

3D086722

Symbols

- A Air flow rate [m³/min]
- B Bypass factor
- C Wet-bulb temperature [°C WB]
- D Dry-bulb temperature [°C DB]
- E Total capacity [kW]
- F Sensible heat capacity [kW]
- G Power input [kW]

Notes

1. These figures assume the following operation conditions
 - (1) Corresponding refrigerant piping length: 5 m
 - (2) Height difference between outdoor unit and indoor unit: 0 m
2. ☐ Nominal capacity and nominal input

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXG35LV1BW + RXG35L2V1B

FTXG35LV1BS + RXG35L2V1B

A	10.9
B	0.14

Cooling 50Hz 220-240V

Indoor		Outdoor temperature [°C DB]																	
C	D	20			25			30			32			35			40		
°C	°C	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G
14.0	20	3.59	2.71	0.68	3.42	2.63	0.74	3.26	2.55	0.81	3.19	2.52	0.83	3.10	2.47	0.87	2.93	2.39	0.94
16.0	22	3.75	2.66	0.68	3.58	2.59	0.74	3.42	2.51	0.81	3.36	2.48	0.84	3.26	2.44	0.87	3.10	2.37	0.94
18.0	25	3.91	2.80	0.68	3.75	2.73	0.75	3.58	2.66	0.81	3.52	2.63	0.84	3.42	2.59	0.88	3.26	2.52	0.94
19.0	27	3.99	2.96	0.68	3.83	2.89	0.75	3.66	2.82	0.81	3.60	2.79	0.84	3.50	2.76	0.88	3.34	2.69	0.95
22.0	30	4.23	2.85	0.69	4.07	2.79	0.76	3.90	2.73	0.82	3.84	2.71	0.85	3.74	2.68	0.89	3.58	2.62	0.95
24.0	32	4.39	2.78	0.69	4.23	2.73	0.76	4.07	2.67	0.82	4.00	2.65	0.85	3.90	2.62	0.89	3.74	2.57	0.95

A	12.4
---	------

Heating 50Hz 220-240V

Indoor		Outdoor temperature [°C WB]									
D		-10		-5		0		6		10	
°C		E	G	E	G	E	G	E	G	E	G
15.0		2.69	0.83	3.14	0.87	3.60	0.91	4.14	0.96	4.50	0.99
20.0		2.55	0.85	3.01	0.89	3.46	0.93	4.00	0.98	4.36	1.01
22.0		2.50	0.86	2.95	0.90	3.40	0.94	3.94	0.99	4.31	1.02
24.0		2.44	0.87	2.90	0.91	3.35	0.95	3.89	1.00	4.25	1.03
25.0		2.42	0.87	2.87	0.91	3.32	0.95	3.86	1.00	4.22	1.03
27.0		2.36	0.88	2.81	0.92	3.26	0.96	3.81	1.01	4.17	1.04

3D086724

Symbols

- A Air flow rate [m³/min]
- B Bypass factor
- C Wet-bulb temperature [°C WB]
- D Dry-bulb temperature [°C DB]
- E Total capacity [kW]
- F Sensible heat capacity [kW]
- G Power input [kW]

Notes

1. These figures assume the following operation conditions
 - (1) Corresponding refrigerant piping length: 5 m
 - (2) Height difference between outdoor unit and indoor unit: 0 m
2. Nominal capacity and nominal input

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXG50LV1BW + RXG50L2V1B FTXG50LV1BS + RXG50L2V1B

A	10.9
B	0.17

Cooling 50Hz 220-240V

Indoor		Outdoor temperature [°C DB]																	
C	D	20			25			30			32			35			40		
°C	°C	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G
14.0	20	3.71	2.74	0.95	3.71	2.74	1.08	3.71	2.74	1.20	3.71	2.74	1.25	3.71	2.74	1.33	3.71	2.74	1.44
16.0	22	4.72	3.11	1.02	4.72	3.11	1.14	4.69	3.09	1.25	4.60	3.05	1.29	4.47	2.98	1.35	4.24	2.87	1.45
18.0	25	5.36	3.43	1.06	5.14	3.32	1.16	4.91	3.22	1.26	4.82	3.17	1.30	4.69	3.11	1.36	4.47	3.01	1.46
19.0	27	5.47	3.57	1.06	5.25	3.47	1.16	5.02	3.37	1.26	4.93	3.33	1.30	4.80	3.26	1.36	4.58	3.17	1.46
22.0	30	5.80	3.43	1.07	5.58	3.34	1.17	5.36	3.25	1.27	5.27	3.21	1.31	5.13	3.16	1.37	4.91	3.07	1.47
24.0	32	6.02	3.33	1.07	5.80	3.24	1.17	5.58	3.16	1.27	5.49	3.12	1.31	5.35	3.07	1.38	5.13	2.99	1.48

A	12.6
---	------

Heating 50Hz 220-240V

Indoor		Outdoor temperature [°C WB]									
D		-10		-5		0		6		10	
°C	°C	E	G	E	G	E	G	E	G	E	G
15.0	3.90	1.34	4.56	1.41	5.21	1.48	6.00	1.55	6.52	1.61	
20.0	3.70	1.38	4.36	1.45	5.01	1.51	5.80	1.59	6.32	1.64	
22.0	3.62	1.39	4.28	1.46	4.93	1.53	5.72	1.60	6.24	1.66	
24.0	3.54	1.41	4.20	1.47	4.85	1.54	5.64	1.62	6.16	1.67	
25.0	3.50	1.42	4.16	1.48	4.81	1.55	5.60	1.63	6.12	1.68	
27.0	3.42	1.43	4.08	1.50	4.73	1.56	5.52	1.64	6.04	1.69	

Symbols

- A Air flow rate [m³/min]
- B Bypass factor
- C Wet-bulb temperature [°C WB]
- D Dry-bulb temperature [°C DB]
- E Total capacity [kW]
- F Sensible heat capacity [kW]
- G Power input [kW]

3D086723

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- These figures assume the following operation conditions
 - Corresponding refrigerant piping length: 5 m
 - Height difference between outdoor unit and indoor unit: 0 m
- The air flow rate and bypass factor are mentioned in the table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXG25K2V1B + RXG25L2V1B

Cooling

50Hz 220-240V

A	8.9
B	0.1

Indoor		Outdoor temp. (°CDB)																	
C	D	20			25			30			32			35			40		
(°C)	(°C)	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G
14.0	20	2.56	2.07	0.41	2.44	2.02	0.45	2.33	1.96	0.49	2.28	1.94	0.51	2.21	1.91	0.53	2.10	1.85	0.57
16.0	22	2.68	2.04	0.42	2.56	1.98	0.46	2.44	1.93	0.50	2.40	1.91	0.51	2.33	1.88	0.54	2.21	1.83	0.58
18.0	25	2.79	2.16	0.42	2.68	2.11	0.46	2.56	2.06	0.50	2.51	2.04	0.51	2.44	2.01	0.54	2.33	1.97	0.58
19.0	27	2.85	2.30	0.42	2.73	2.25	0.46	2.62	2.21	0.50	2.57	2.19	0.52	2.50	2.16	0.54	2.38	2.12	0.58
22.0	30	3.02	2.22	0.42	2.91	2.18	0.46	2.79	2.14	0.50	2.74	2.13	0.52	2.67	2.10	0.54	2.56	2.06	0.58
24.0	32	3.14	2.17	0.43	3.02	2.14	0.47	2.90	2.10	0.51	2.86	2.09	0.52	2.79	2.06	0.55	2.67	2.03	0.59

Heating

50Hz 220-240V

A	9.9
---	-----

Indoor		Outdoor temp. (°CWB)									
D		-10		-5		0		6		10	
(°C)		E	G	E	G	E	G	E	G	E	G
15.0		2.29	0.65	2.67	0.68	3.06	0.71	3.52	0.75	3.82	0.78
20.0		2.17	0.67	2.56	0.70	2.94	0.73	3.40	0.77	3.71	0.80
22.0		2.12	0.68	2.51	0.71	2.89	0.74	3.35	0.78	3.66	0.80
24.0		2.08	0.68	2.46	0.71	2.85	0.75	3.31	0.78	3.61	0.81
25.0		2.05	0.69	2.44	0.72	2.82	0.75	3.28	0.79	3.59	0.81
27.0		2.01	0.69	2.39	0.72	2.77	0.76	3.24	0.79	3.54	0.82

3D087613

SYMBOLS

A:	Air flow rate	(m ³ /min)
B:	Bypass factor	
C:	Wet-bulb temperature	(°CWB)
D:	Dry-bulb temperature	(°CDB)
E:	Total capacity	(kW)
F:	Sensible heat capacity	(kW)
G:	Power input	(kW)

NOTES

- These figures assume the following operating conditions:
(1) Corresponding refrigerant piping length: 5m
(2) Height difference between outdoor unit and indoor unit: 0m
- Nominal capacity and nominal input

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXG35K2V1B + RXG35L2V1B

Cooling 50Hz 220-240V

A	9.1
B	0.13

Indoor		Outdoor temp. (°CDB)																	
C	D	20			25			30			32			35			40		
(°C)	(°C)	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G
14.0	20	3.25	2.40	0.68	3.25	2.40	0.77	3.25	2.40	0.86	3.19	2.37	0.89	3.10	2.32	0.93	2.93	2.24	1.00
16.0	22	3.75	2.53	0.73	2.58	2.45	0.79	3.42	2.37	0.86	3.36	2.34	0.89	3.26	2.29	0.93	3.10	2.22	1.00
18.0	25	3.91	2.63	0.73	2.75	2.56	0.80	3.58	2.49	0.87	3.52	2.46	0.90	3.42	2.41	0.94	3.26	2.34	1.01
19.0	27	3.99	2.76	0.73	3.83	2.69	0.80	3.66	2.62	0.87	3.60	2.59	0.90	3.50	2.55	0.94	3.34	2.48	1.01
22.0	30	4.23	2.66	0.74	4.07	2.60	0.81	3.90	2.53	0.88	3.84	2.51	0.90	3.74	2.47	0.95	3.58	2.41	1.02
24.0	32	4.39	2.58	0.74	4.23	2.53	0.81	4.07	2.47	0.88	4.00	2.45	0.91	3.90	2.41	0.95	3.74	2.36	1.02

Heating 50Hz 220-240V

A	10.2
---	------

Indoor		Outdoor temp. (°CWB)									
D		-10		-5		0		6		10	
(°C)		E	G	E	G	E	G	E	G	E	G
15.0		3.03	1.01	3.54	1.06	4.05	1.11	4.66	1.17	5.06	1.21
20.0		2.87	1.04	3.38	1.09	3.89	1.14	4.50	1.20	4.91	1.24
22.0		2.81	1.06	3.32	1.10	3.83	1.15	4.44	1.21	4.84	1.25
24.0		2.75	1.06	3.26	1.11	3.77	1.16	4.38	1.22	4.78	1.26
25.0		2.72	1.07	3.23	1.12	3.73	1.17	4.34	1.23	4.75	1.27
27.0		2.66	1.08	3.16	1.13	3.67	1.18	4.28	1.24	4.69	1.28

3D087614

SYMBOLS

A:	Air flow rate	(m ³ /min)
B:	Bypass factor	
C:	Wet-bulb temperature	(°CWB)
D:	Dry-bulb temperature	(°CDB)
E:	Total capacity	(kW)
F:	Sensible heat capacity	(kW)
G:	Power input	(kW)

NOTES

- These figures assume the following operating conditions:
(1) Corresponding refrigerant piping length: 5m
(2) Height difference between outdoor unit and indoor unit: 0m
- Nominal capacity and nominal input

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXG50K2V1B + RXG50L2V1B

Cooling

50Hz 220-240V

A	10.6
B	0.13

Indoor		Outdoor temp. (°CDB)																	
C	D	20			25			30			32			35			40		
(°C)	(°C)	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G	E	F	G
14.0	20	3.79	2.80	1.07	3.79	2.80	1.22	3.79	2.80	1.36	3.79	2.80	1.41	3.79	2.80	1.49	3.79	2.80	1.60
16.0	22	4.81	3.17	1.14	4.81	3.17	1.26	4.81	3.17	1.39	4.79	3.16	1.43	4.65	3.09	1.50	4.42	2.97	1.61
18.0	25	5.58	3.56	1.17	5.35	3.44	1.28	5.12	3.33	1.40	5.02	3.29	1.44	4.88	3.22	1.51	4.65	3.11	1.62
19.0	27	5.70	3.70	1.18	5.47	3.59	1.29	5.23	3.48	1.40	5.14	3.44	1.44	5.00	3.38	1.51	4.77	3.27	1.62
22.0	30	6.04	3.55	1.19	5.81	3.45	1.30	5.58	3.36	1.41	5.49	3.32	1.45	5.35	3.26	1.52	5.11	3.17	1.63
24.0	32	6.27	3.44	1.19	6.04	3.35	1.30	5.81	3.26	1.42	5.72	3.23	1.46	5.58	3.18	1.53	5.34	3.09	1.64

Heating

50Hz 220-240V

A	12.2
---	------

Indoor		Outdoor temp. (°CWB)									
D		-10		-5		0		6		10	
(°C)		E	G	E	G	E	G	E	G	E	G
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	5.86	1.66

3D087615

SYMBOLS

A:	Air flow rate	(m ³ /min)
B:	Bypass factor	
C:	Wet-bulb temperature	(°CWB)
D:	Dry-bulb temperature	(°CDB)
E:	Total capacity	(kW)
F:	Sensible heat capacity	(kW)
G:	Power input	(kW)

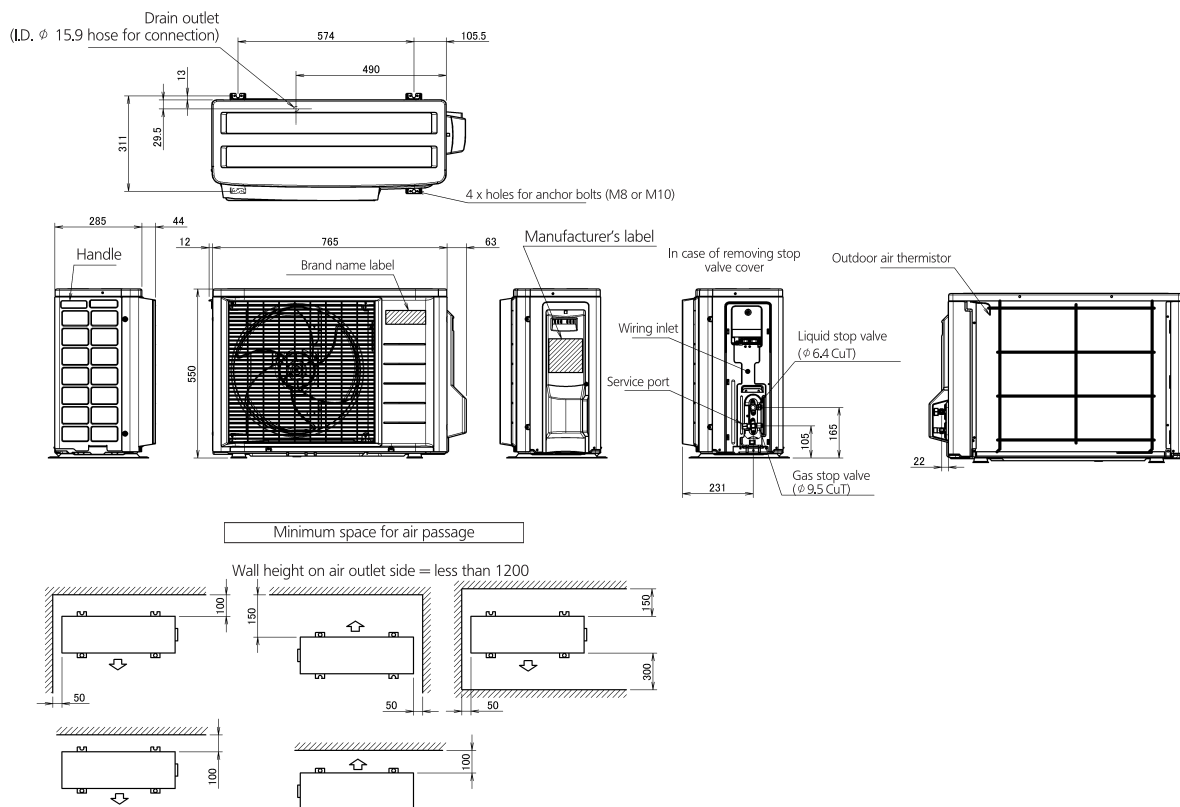
NOTES

- These figures assume the following operating conditions:
 - Corresponding refrigerant piping length: 5m
 - Height difference between outdoor unit and indoor unit: 0m
-  Nominal capacity and nominal input

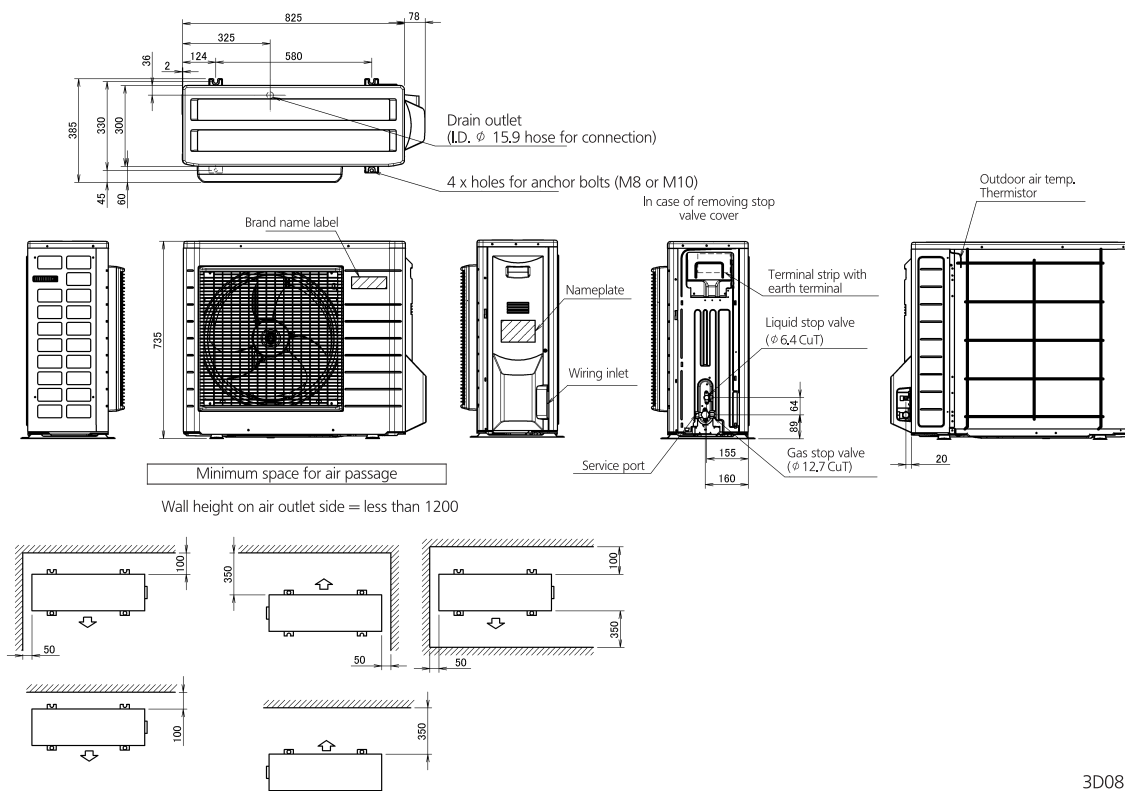
5 Dimensional drawings

5 - 1 Dimensional Drawings

RXG20-35L



RXG50L

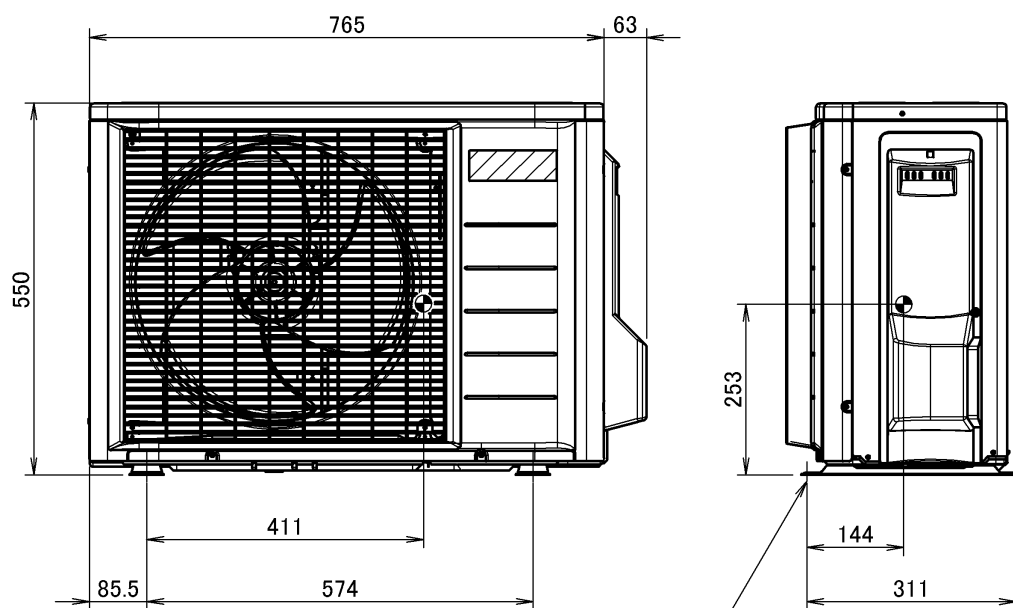


6 Centre of gravity

6 - 1 Centre of Gravity

6

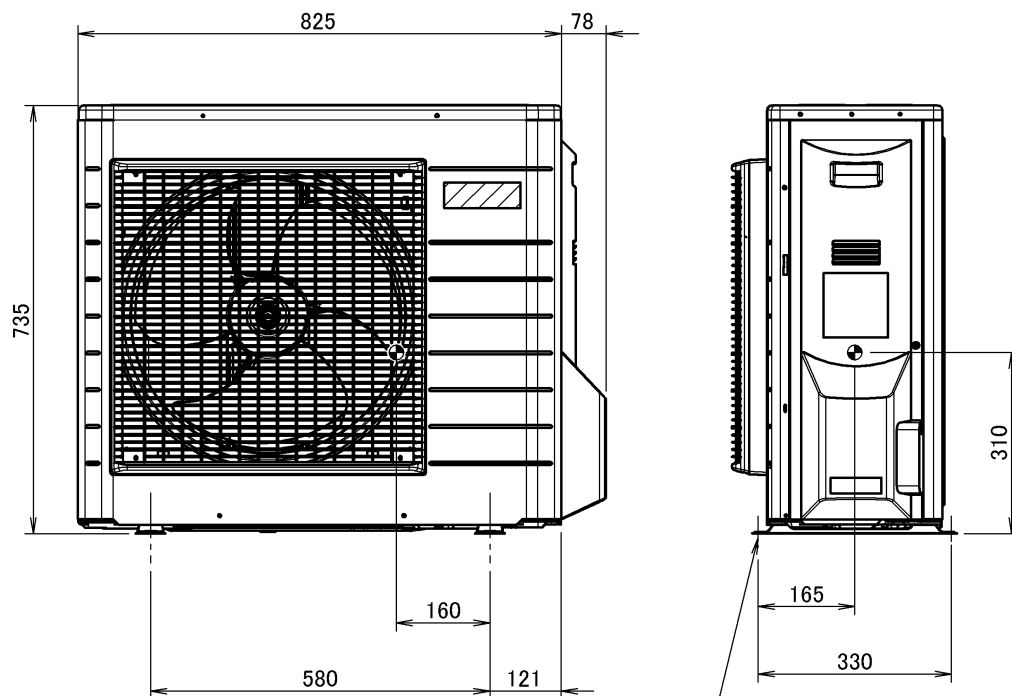
RXG20-35L



The position of foundation bolt

4D086713

RXG50L



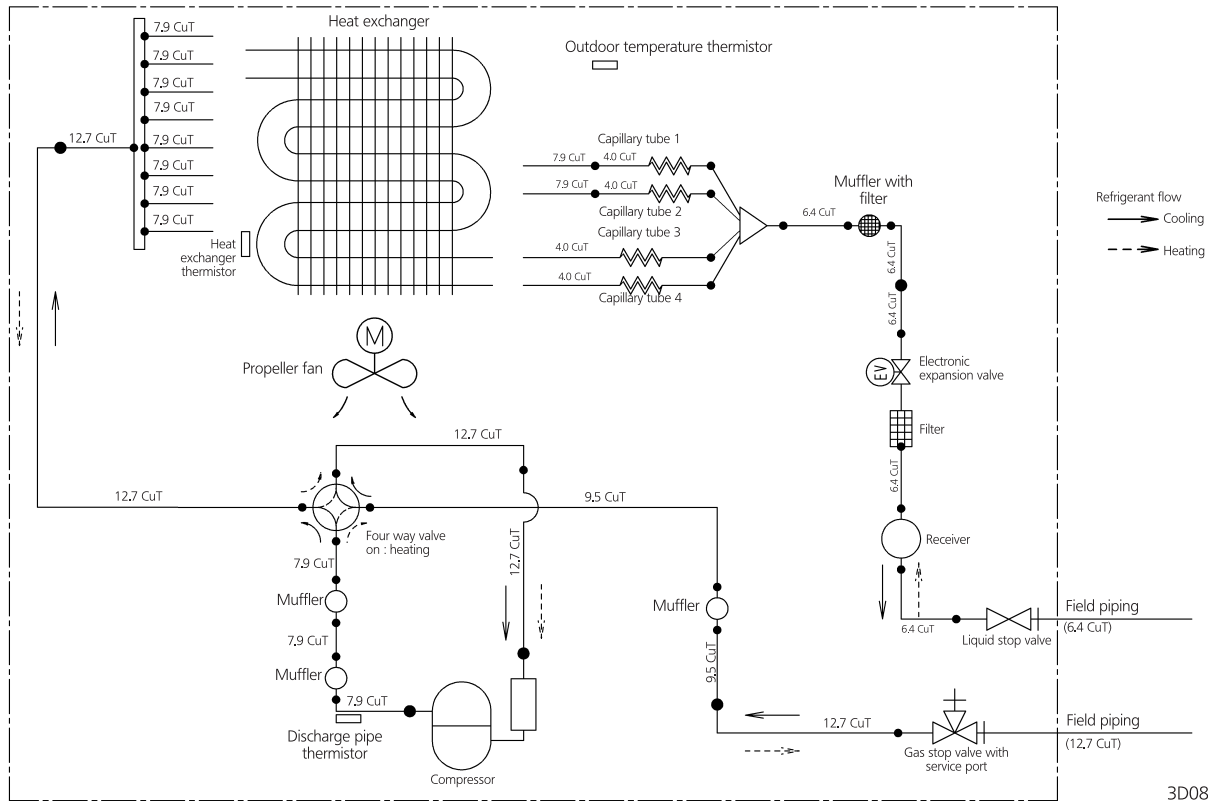
The position of foundation bolt

4D086721

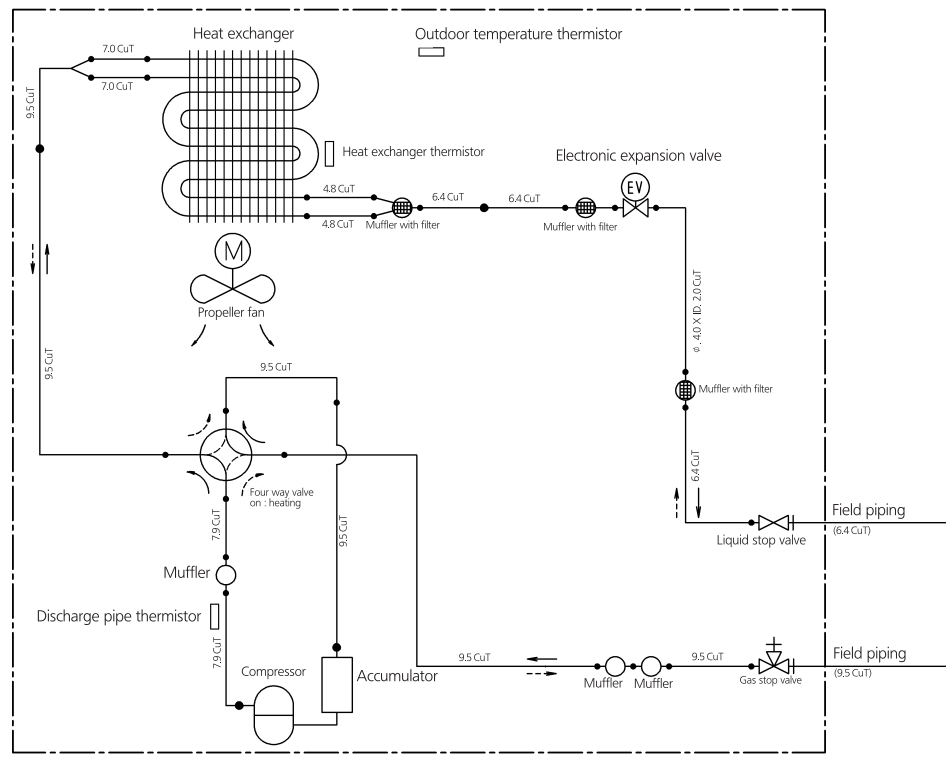
7 Piping diagrams

7 - 1 Piping Diagrams

RXG50L



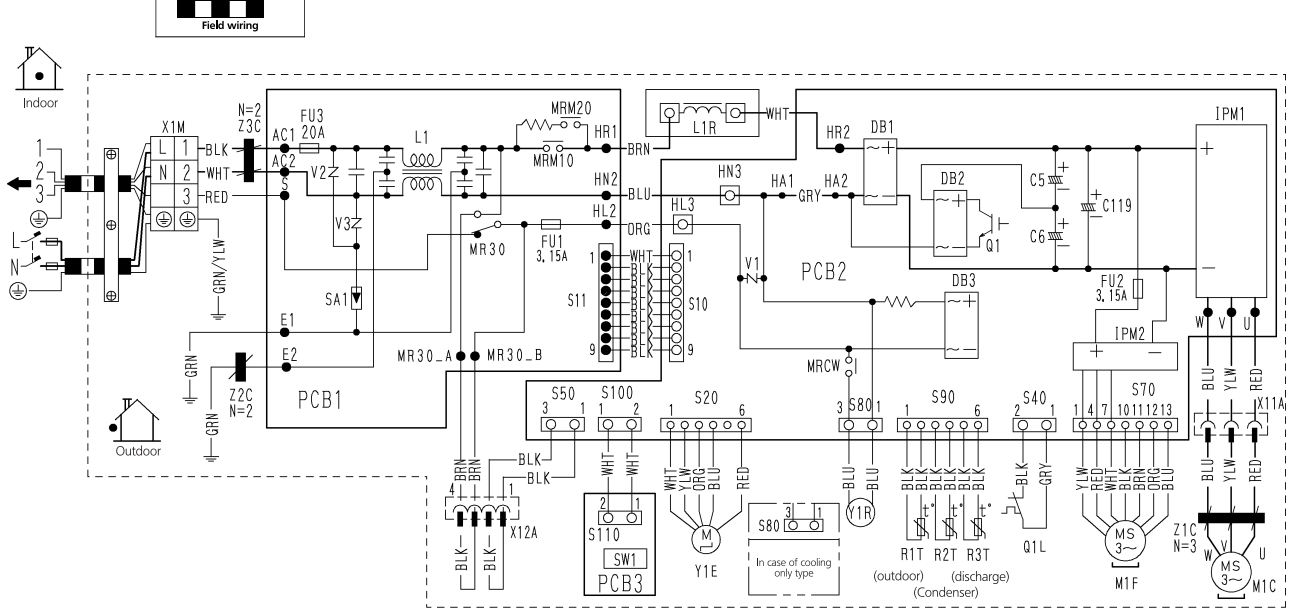
RXG20-35L



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXG20-35L



C5,C6,C119 : Capacitor
 DB1,DB2,DB3 : Diode bridge
 FU1,FU2,FU3 : Fuse
 IPM1,IPM2 : Intelligent power module
 L : Live
 L1 : Coil
 L1R : Reactor
 M1C : Compressor motor
 M1F : Fan motor
 MRCW,MR30,MRM10,MRM20 : Magnetic relay

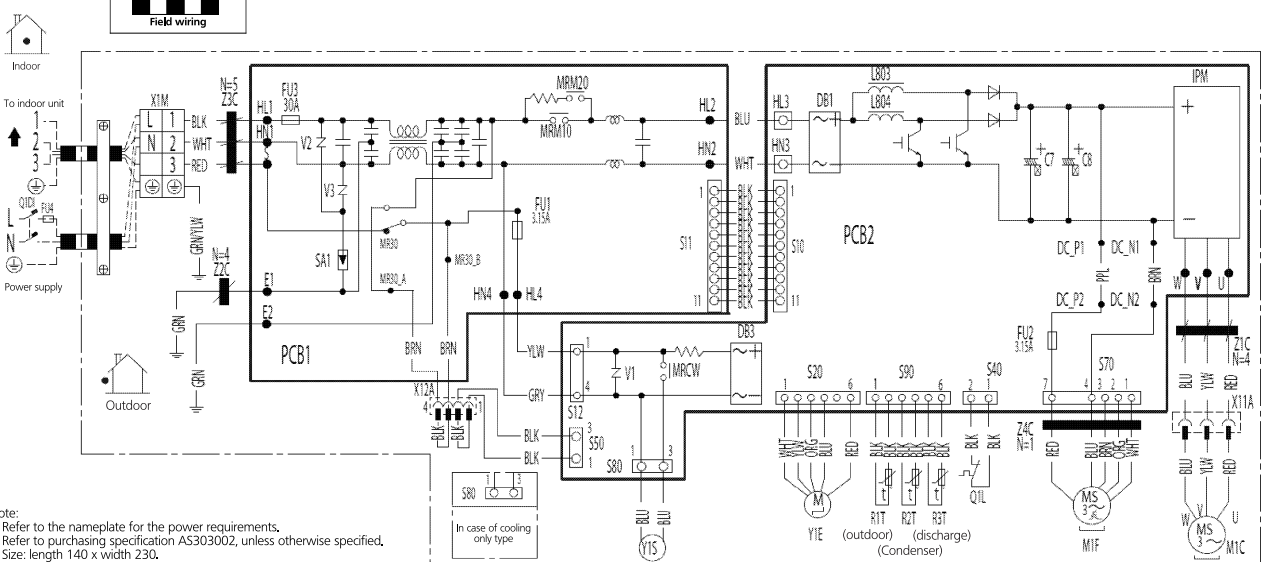
N : Neutral
 Q1L : Overload protector
 PCB1,PCB2,PCB3 : Printed circuit board
 S10,S11,S20,S40 : Connector
 S50,S70,S80,S90 : Thermistor
 S100,S110,HL3 : Surge absorber
 HN3,X11A,X12A : Connector
 RTT,R2T,R3T : Thermistor

SA1 : Surge arrester
 SW1 : Forced operation switch
 V1,V2,V3 : Varistor
 X1M : Terminal strip
 Y1E : Electronic expansion valve coil
 Y1R : Reversing solenoid valve coil
 Z1C,Z2C,Z3C : Ferrite core
 PE : Protective earth

- Notes
1. Size: Length 105 X Width 185.
 2. Refer to purchasing specification AS(Y)303002, unless otherwise specified.
 3. This drawing was drawn on CAD system.
 4. Refer to the nameplate for the power requirements.

3D065704H

RXG50L



- Note:
1. Refer to the nameplate for the power requirements.
 2. Refer to purchasing specification AS303002, unless otherwise specified.
 3. Size: length 140 x width 230.

C7,C8 : Capacitor
 DB1,DB3 : Diode bridge
 FU1,FU2,FU3 : Fuse
 FU4 : Field fuse
 IPM : Intelligent power module
 L : Live
 L803,L804 : Reactor
 M1C : Compressor motor
 M1F : Fan motor
 MRCW,MRM10,MRM20,MR30,MR30_A,MR30_B : Magnetic relay

N : Neutral
 Q1L : Overload protector
 Q1DI : Earth leak detector
 PCB1,PCB2 : Printed circuit board
 S10,S11,S12,S20 : Connector
 S40,S50,S70,S80,S90 : Thermistor
 HL3,HN3,X11A,X12A : Connector
 RTT,R2T,R3T : Thermistor
 SA1 : Surge absorber

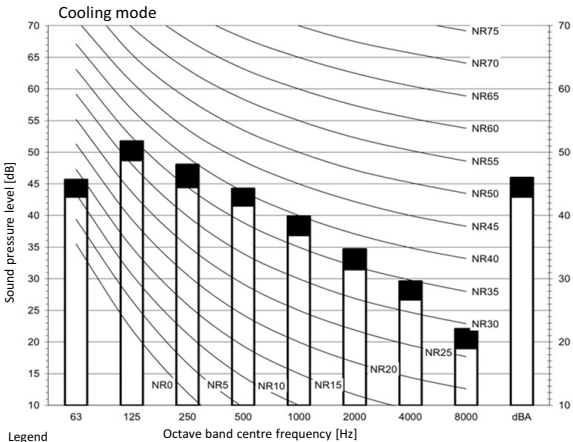
V1,V2,V3 : Varistor
 X1M : Terminal strip
 Y1E : Electronic expansion valve coil
 Y1S : Reversing solenoid valve coil
 Z1C,Z2C,Z3C,Z4C : Ferrite core
 PE : Protective earth
 E : Earth

3D079016A

9 Sound data

9 - 1 Sound Pressure Spectrum

RXG20L



The operation noise measuring method is in accordance with JISC9612.

Measuring location: anechoic chamber

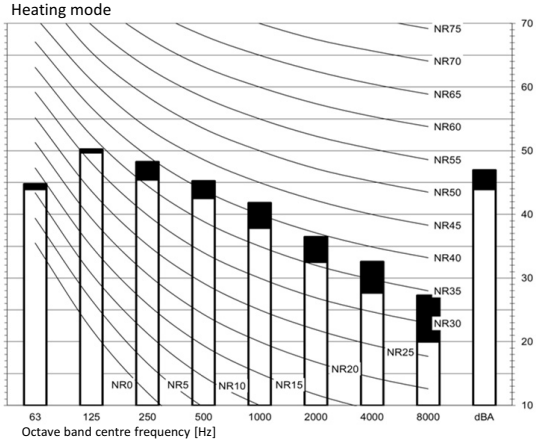
Cooling

Total dB

A	B
dBA	46

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; IIS standard



Heating

Total dB

A	B
dBA	47

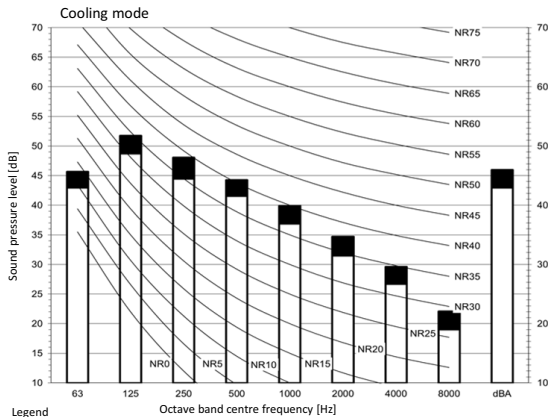
Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; IIS standard

Notes
Operating noise varies depending on operation and ambient conditions.

3D086899

RXG25L



The operation noise measuring method is in accordance with JISC9612.

Measuring location: anechoic chamber

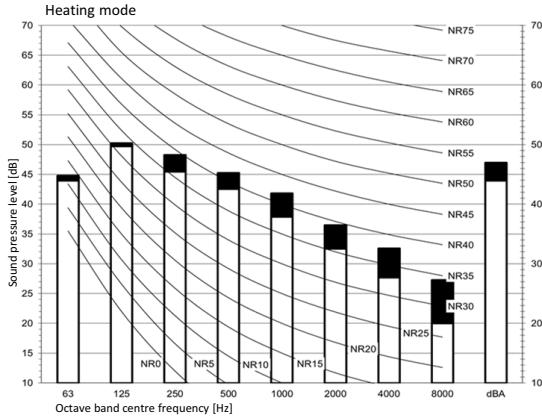
Cooling

Total dB

A	B
dBA	46

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; IIS standard



Heating

Total dB

A	B
dBA	47

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; IIS standard

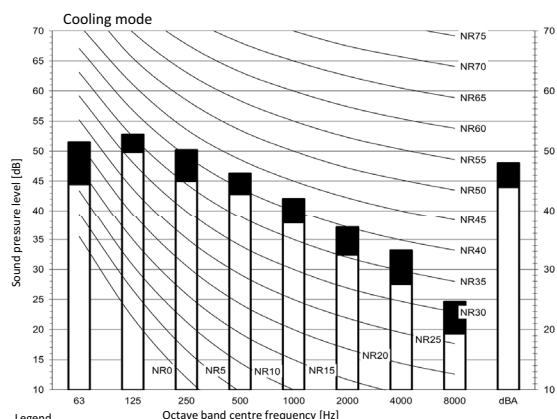
Notes
Operating noise varies depending on operation and ambient conditions.

3D086900A

9 Sound data

9 - 1 Sound Pressure Spectrum

RXG35L



Legend

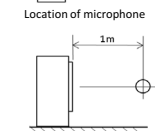
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

Low-tap

Location of microphone



The operation noise measuring method is in accordance with JISC9612.

Measuring location: anechoic chamber

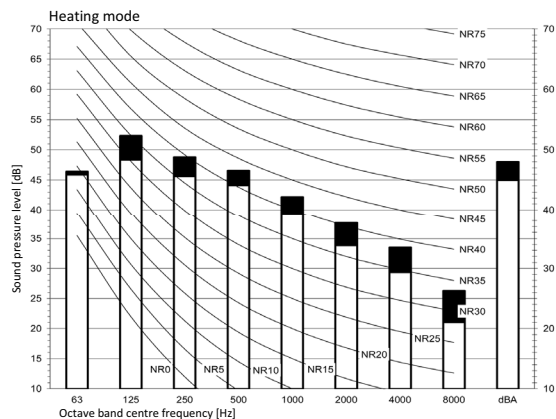
Cooling

Total dB

A	B
dBA	48

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard



Heating

Total dB

A	B
dBA	48

Background noise already taken into account.

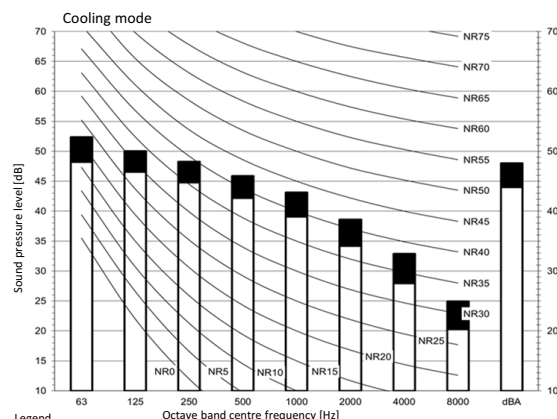
Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

Notes

Operating noise varies depending on operation and ambient conditions.

3D086901A

RXG50L



Legend

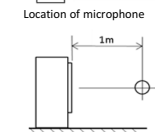
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

Low-tap

Location of microphone



The operation noise measuring method is in accordance with JISC9612.

Measuring location: anechoic chamber

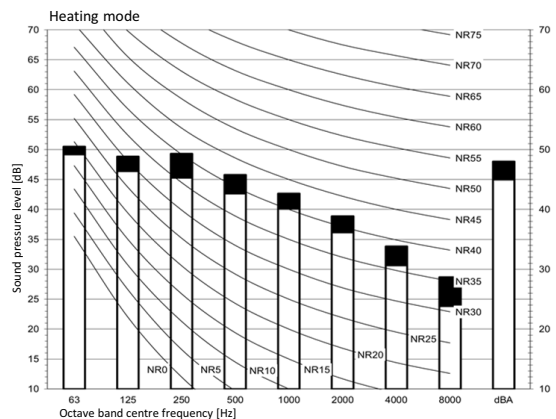
Cooling

Total dB

A	B
dBA	48

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard



Heating

Total dB

A	B
dBA	48

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

Notes

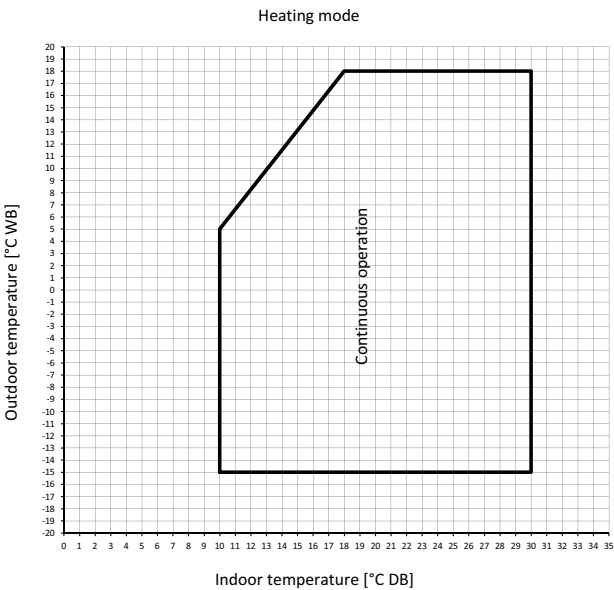
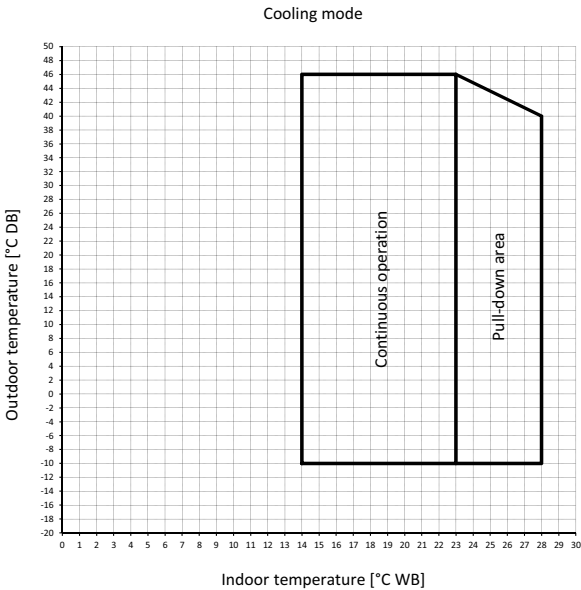
Operating noise varies depending on operation and ambient conditions.

3D086902A

10 Operation range

10 - 1 Operation Range

RXG-L

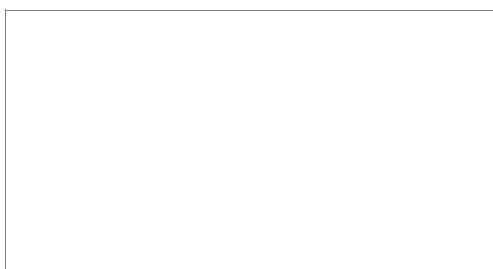


Notes

1. These figures assume the following operation conditions
- | | |
|---|------|
| Equivalent piping length [m] | 5.0 |
| Height difference between outdoor unit and indoor unit: | 0 |
| Air flow rate | High |

3D086777

Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



EEDEN

XXX-07/16



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.