



# Air Conditioning Technical Data



EEDEN15-100

RXG-L



# TABLE OF CONTENTS

## RXG-L

1	Features .....	2
2	Specifications .....	3
	Capacity and Power input .....	3
	Capacity and Power input .....	3
	Capacity and Power input .....	4
	Technical Specifications .....	5
	Electrical Specifications .....	6
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

- Outdoor units for pair application
- Seasonal efficiency values up to A+++
- 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



1



Inverter



Outdoor unit  
silent operation

## 2 Specifications

2-1 Capacity and Power input				FTXG20LW/RXG20L	FTXG25LW/RXG25L	FTXG35LW/RXG35L	FTXG50LW/RXG50L
Cooling capacity	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	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		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

2-2 Capacity and Power input				FTXG25LS/RXG25L	FTXG20LS/RXG20L	FTXG35LS/RXG35L	FTXG50LS/RXG50L
Cooling capacity	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)

## 2 Specifications

2

2-2 Capacity and Power input				FTXG25LS/RXG25L	FTXG20LS/RXG20L	FTXG35LS/RXG35L	FTXG50LS/RXG50L
Heating capacity	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.	0.320 (1)		0.350 (1)		0.370 (1)
		Nom.	0.523 (1)	0.501 (1)	0.882 (1)	1.360 (1)	
		Max.	0.820 (1)	0.760 (1)	1.190 (1)	1.880 (1)	
	Heating	Min.	0.310 (1)		0.320 (1)		0.310 (1)
		Nom.	0.769 (1)	0.500 (1)	0.985 (1)	1.589 (1)	
		Max.	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
	Heating (Average climate)	Energy label		A++		A+	
		Pdesign	kW	2.70	2.10	3.00	4.60
		SCOP		4.60		4.24	
		Annual energy consumption		kWh	821	639	913
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)		5.00 (3)		3.65 (3)
	Annual energy consumption		kWh	261.5	250.5	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

2-3 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)	
	Max.	Btu/h	8,500 (1)	11,900 (1)	17,100 (1)		
		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)	
	Max.	Btu/h	11,600 (2)	15,400 (2)	19,800 (2)		
		kW	4.5	5.0	8.1		
		Btu/h	15,400	17,100	27,600		

## 2 Specifications

2-3 Capacity and Power input				FVXG25K/RXG25L	FVXG35K/RXG35L	FVXG50K/RXG50L
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		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 (1)			735 (1)
		Width	mm	765			825
		Depth	mm	285			300
	Packed unit	Height	mm	612			797
		Width	mm	906			992
		Depth	mm	402			437
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	

## 2 Specifications

2

2-4 Technical Specifications					RXG20L	RXG25L	RXG35L	RXG50L
Fan	Type				Propeller fan			
	Air flow rate	Cooling	High	m <sup>3</sup> /min	34.5		37.0	49.8
				cfm	1,218		1,306	1,758
		Super low		m <sup>3</sup> /min	31.0			
				cfm	1,094			
	Heating	High		m <sup>3</sup> /min	31.1			44.8
				cfm	1,098			1,581
		Super low		m <sup>3</sup> /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		
		Heating	High	rpm	860			720
				Super low	rpm	740		
Sound power level	Cooling			dBA	61		63	
	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 (2)			
			Max.	°CDB	46			
	Heating	Ambient	Min.	°CWB	-15			
			Max.	°CWB	18			
Refrigerant	Type				R-410A			
	Charge			kg	1.05		1.6	
				TCO <sub>2</sub> eq	2.2		3.3	
	GWP				2,087.5			
Refrigerant oil	Type				FVC50K			
	Charged volume			l	0.375		0.395	
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		

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



## 2 Specifications

### Notes

(1) Contains fluorinated greenhouse gases

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

(3) 220V

(4) 230V

(5) 240V

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

### 3 Electrical data

#### 3 - 1 Electrical Data

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
FTXG20LV1BW 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				
FTXG25LV1BW 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				
FTXG35LV1BW 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				

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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 : 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.

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				

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#### 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.

8

### 3 Electrical data

#### 3 - 1 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
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				

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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 : 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.

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				

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**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.

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

4

### 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
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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	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 [m<sup>3</sup>/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. 

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 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
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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 [m<sup>3</sup>/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

4

### 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	°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 [m<sup>3</sup>/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. 

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 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		
		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
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Heating 50Hz 220-240V

Indoor		Outdoor temperature [°C WB]									
D	°C	-10		-5		0		6		10	
		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 [m<sup>3</sup>/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

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. □ Nominal capacity and nominal input
3. 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).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. 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
6. The air flow rate and bypass factor are mentioned in the table.

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

4

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 <sup>3</sup> /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 <sup>3</sup> /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

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

4

FVXG50K2V1B + RXG50L2V1B

Cooling 50Hz 220-240V

A	10.6
B	0.13

Indoor		Outdoor temp. (°CDB)																	
C (°C)	D (°C)	20			25			30			32			35			40		
		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 D (°C)	Outdoor temp. (°CWB)									
	-10		-5		0		6		10	
	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 <sup>3</sup> /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)

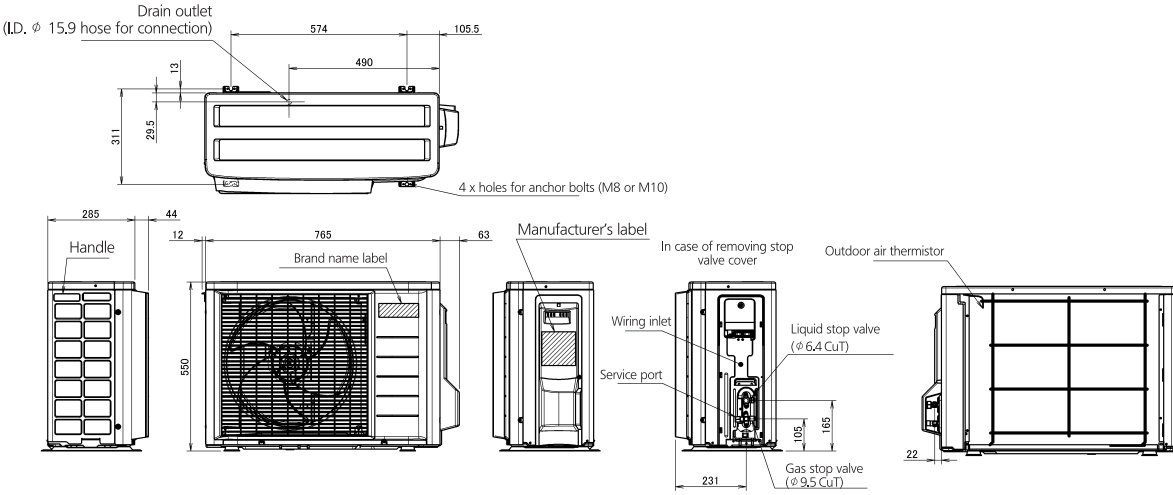
### NOTES

- 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

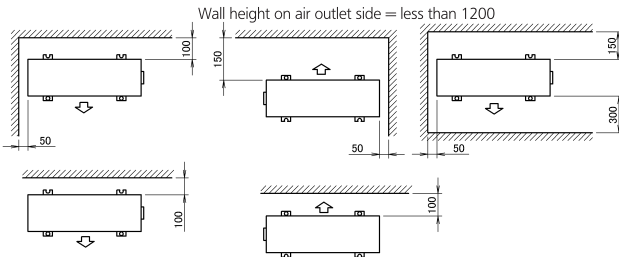
# 5 Dimensional drawings

## 5 - 1 Dimensional Drawings

### RXG20-35L

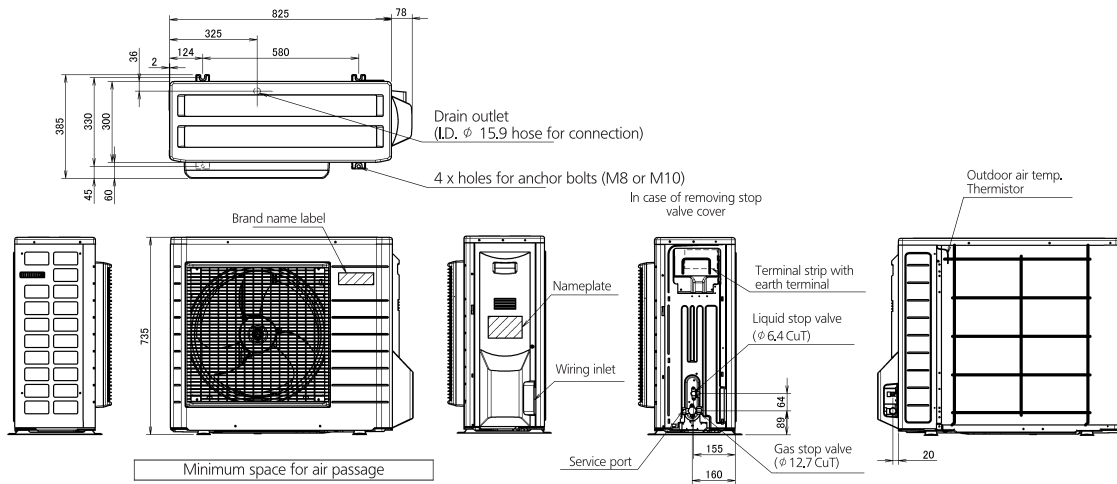


Minimum space for air passage

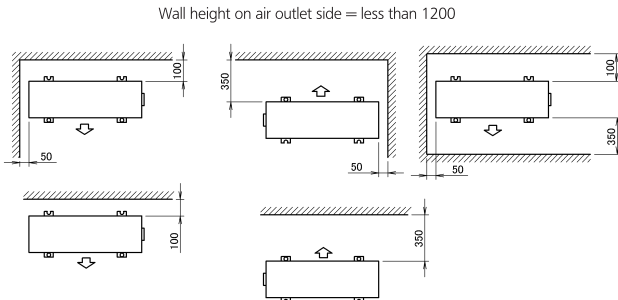


3D086718

### RXG50L



Minimum space for air passage

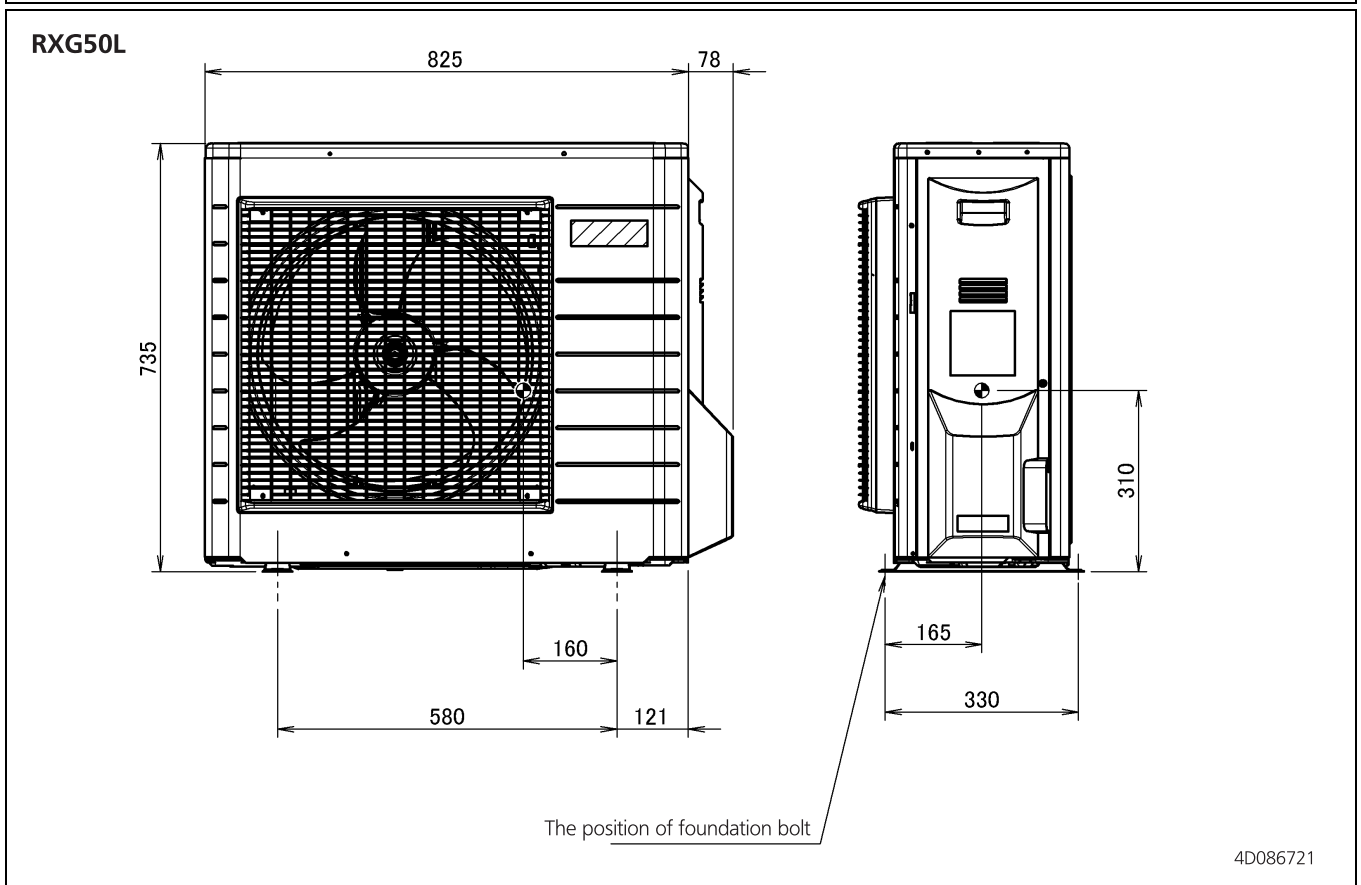
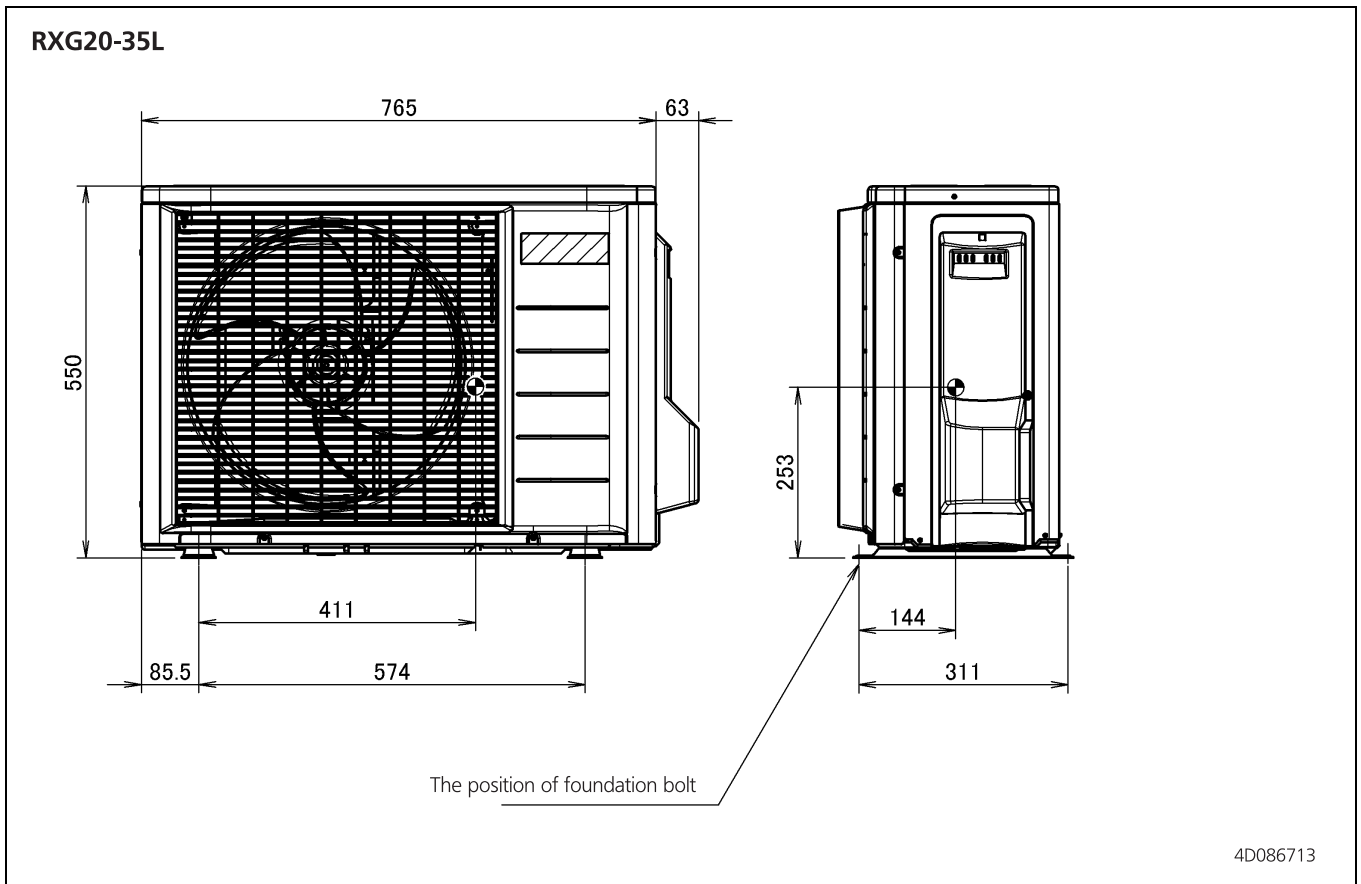


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## 6 Centre of gravity

### 6 - 1 Centre of Gravity

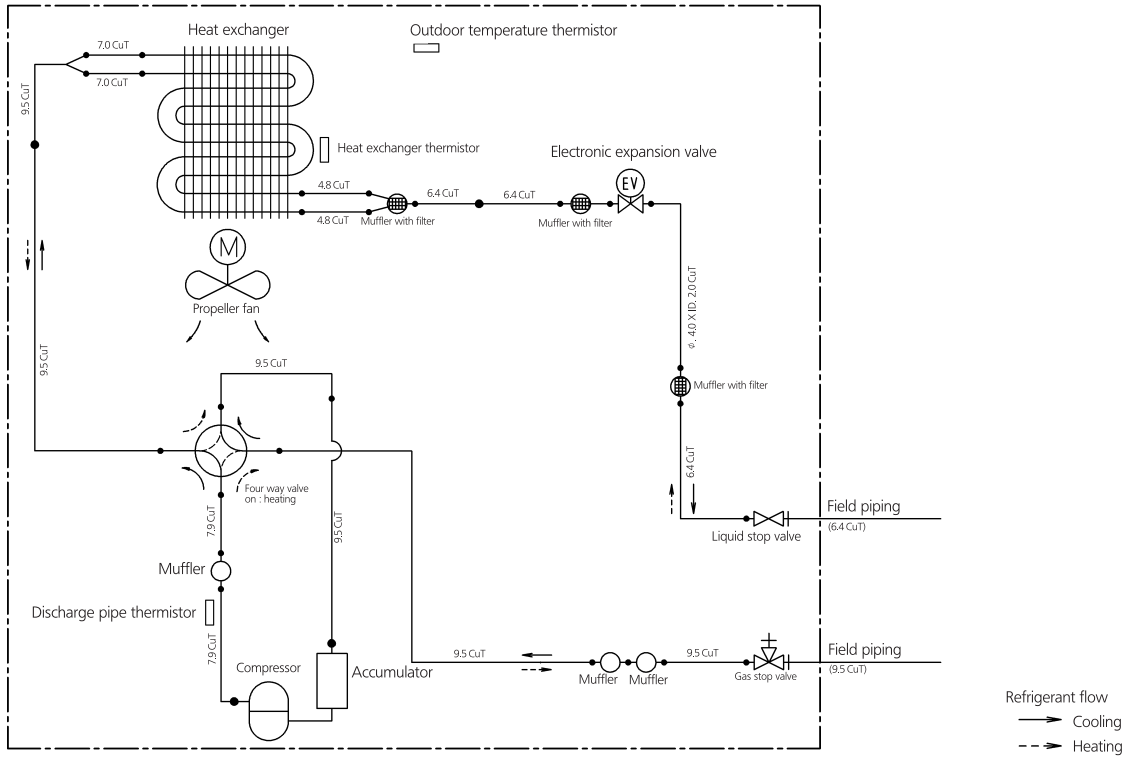
6



# 7 Piping diagrams

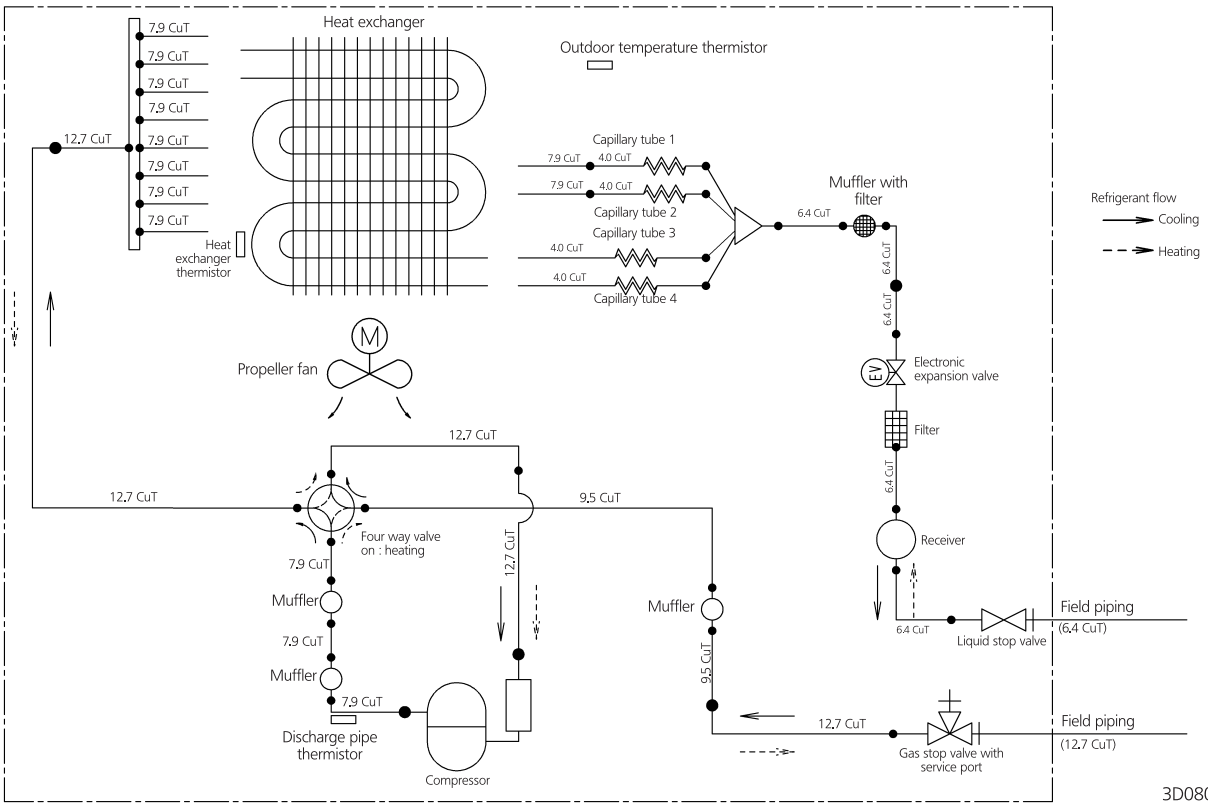
## 7 - 1 Piping Diagrams

### RXG20-35L



3D059586W

### RXG50L

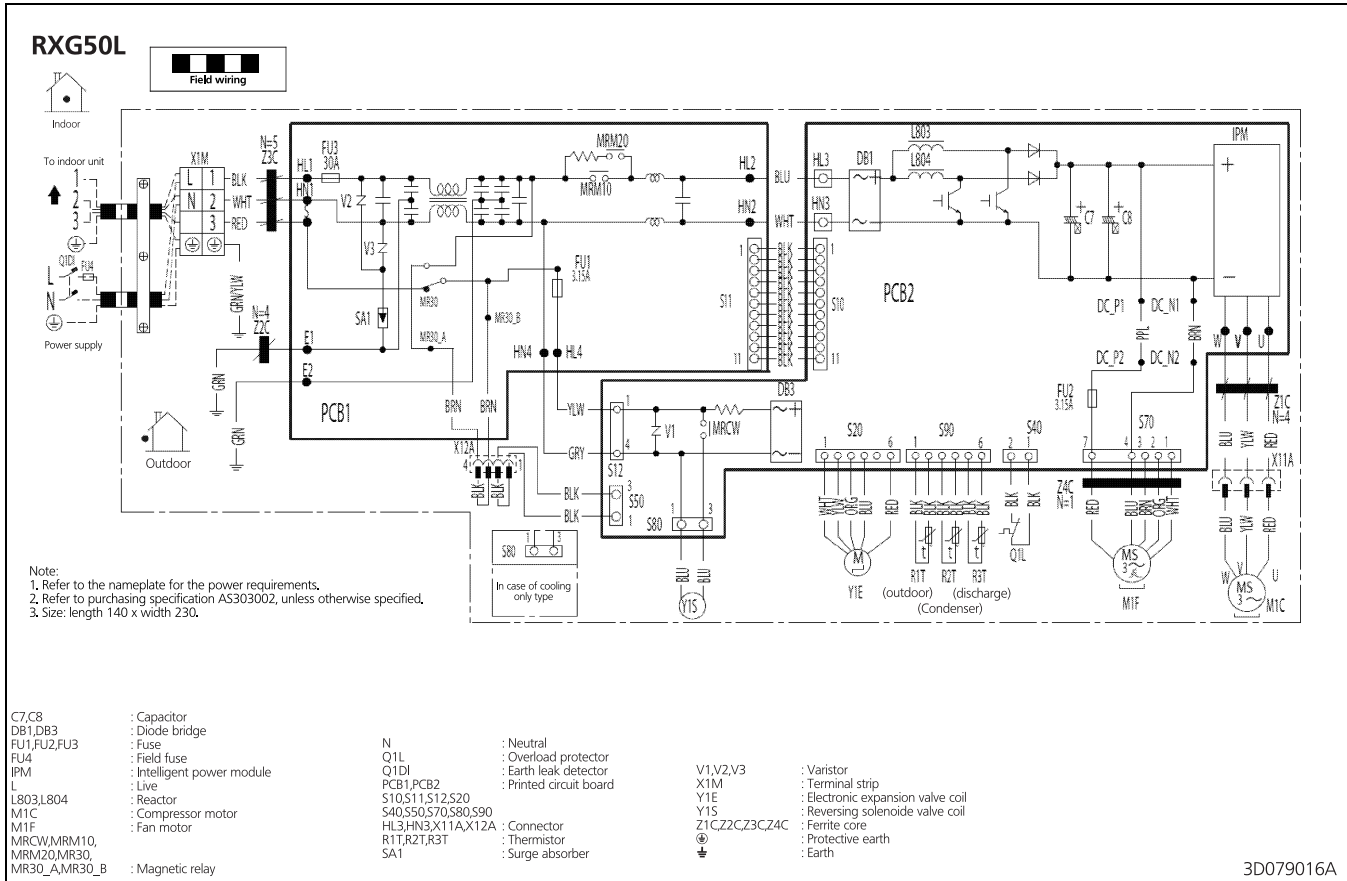
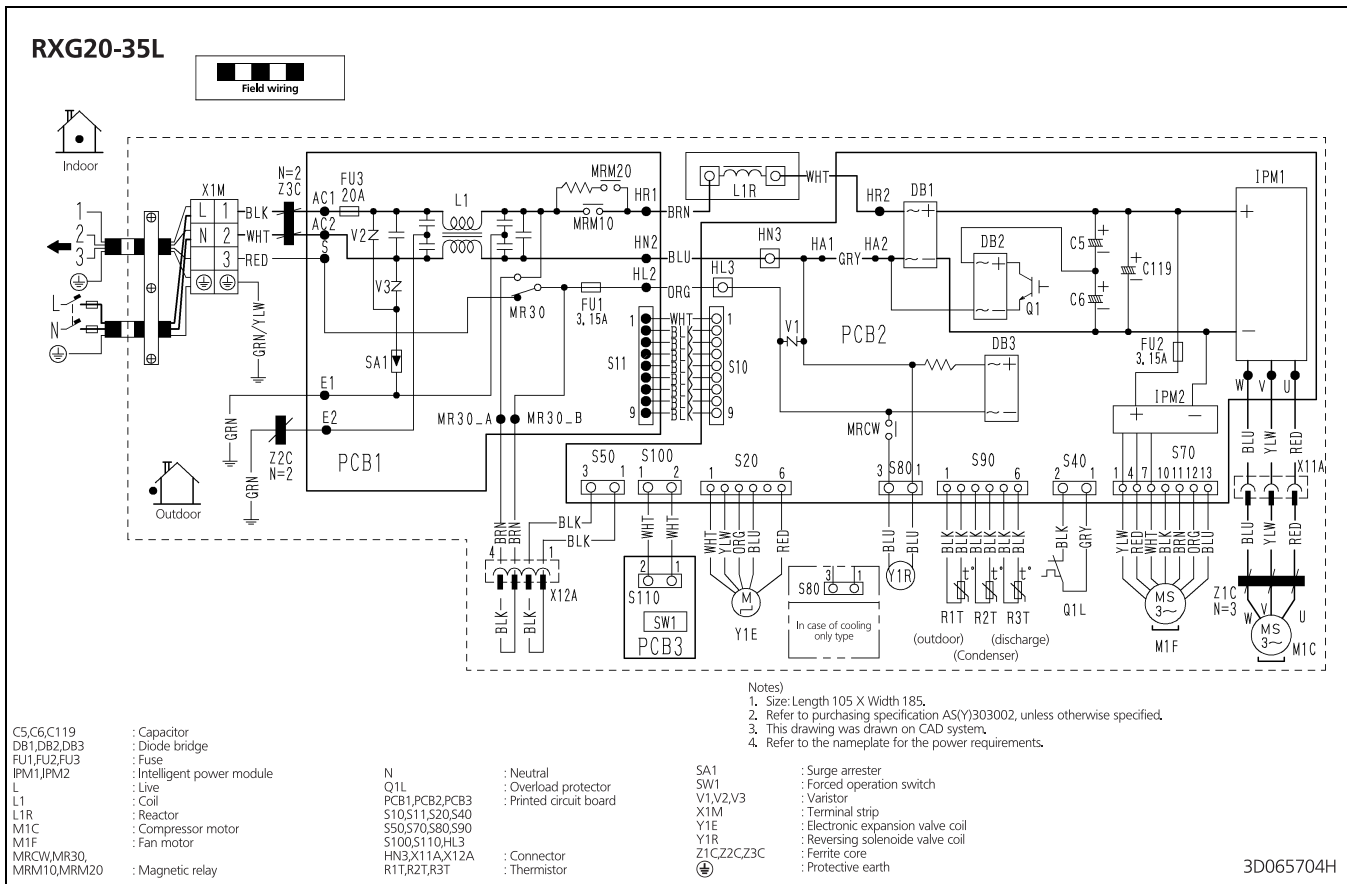


3D080605C

# 8 Wiring diagrams

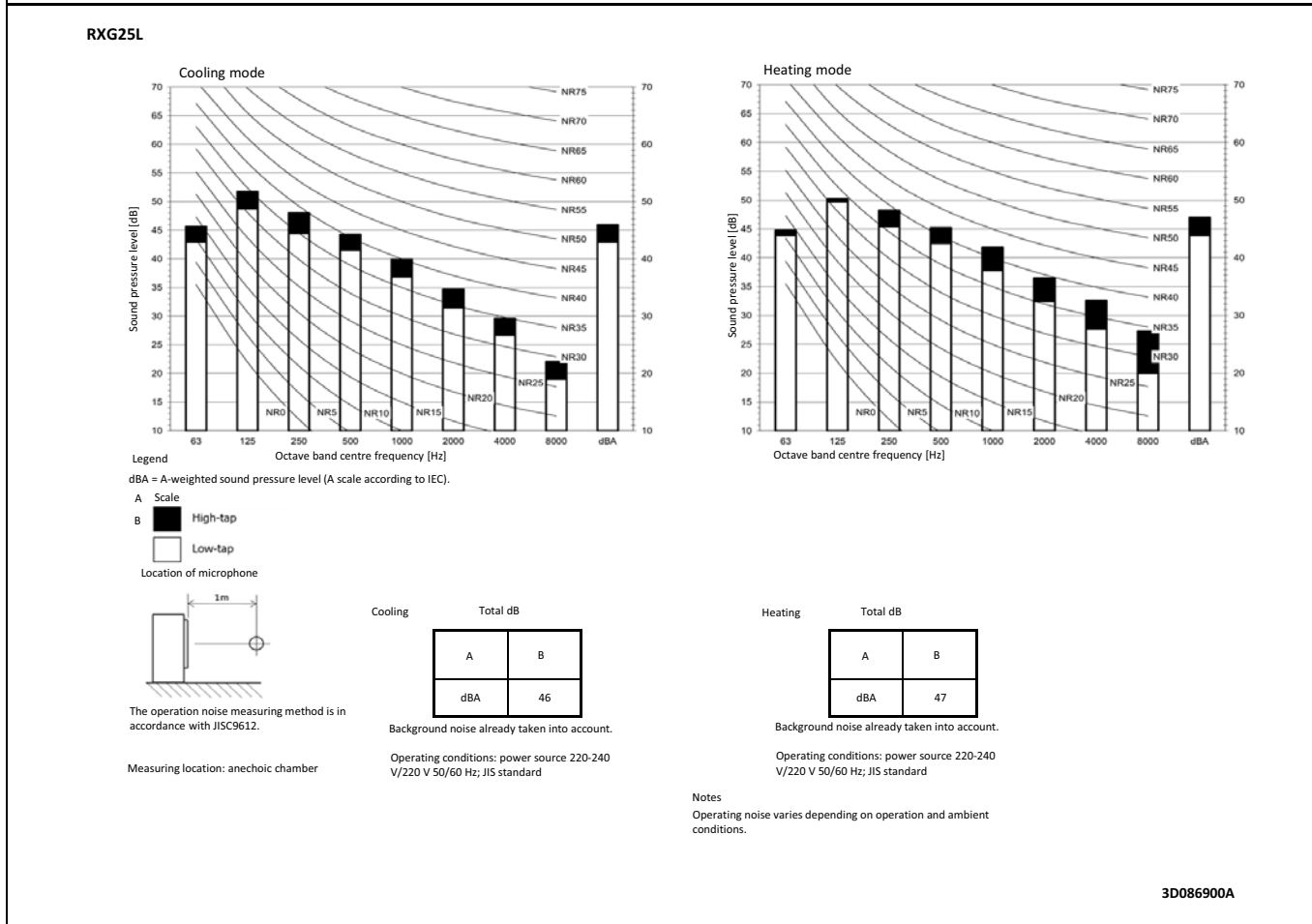
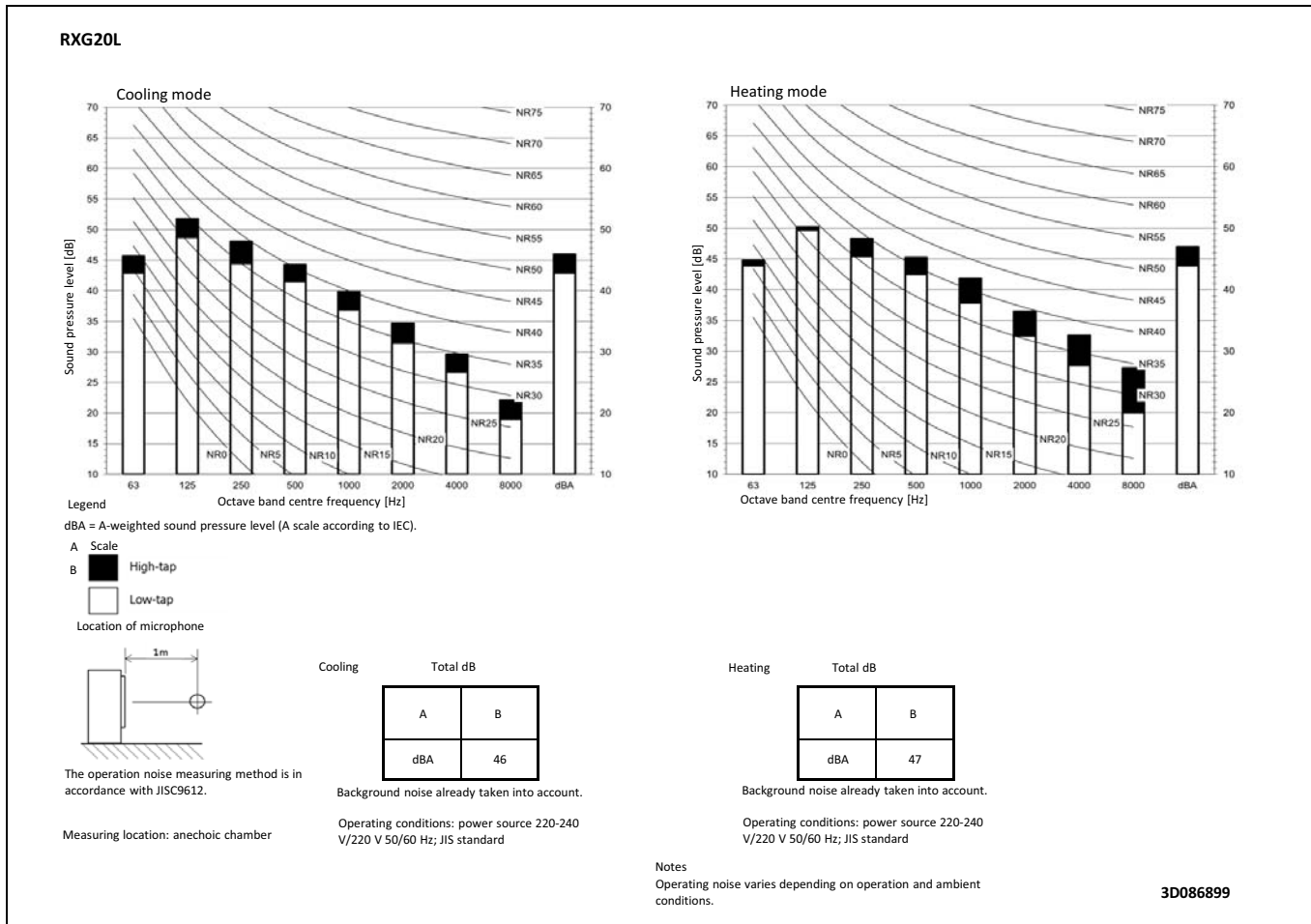
## 8 - 1 Wiring Diagrams - Single Phase

8



# 9 Sound data

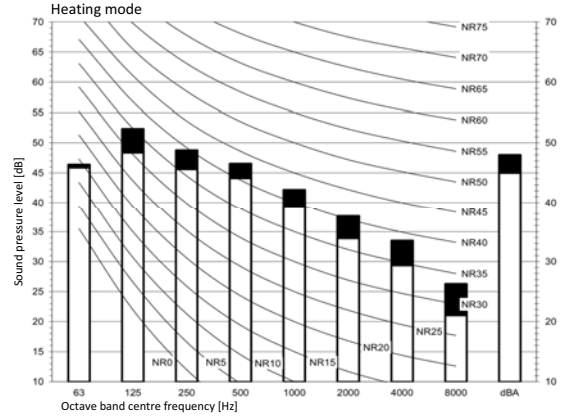
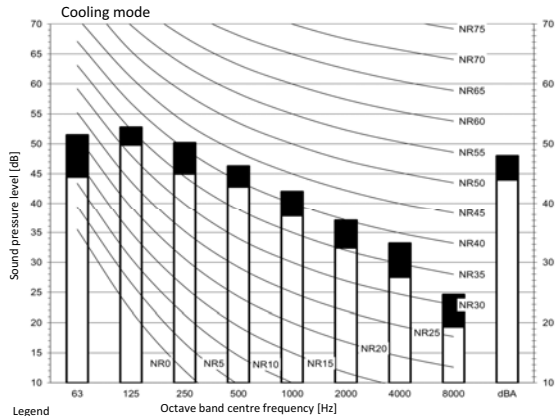
## 9 - 1 Sound Pressure Spectrum



# 9 Sound data

## 9 - 1 Sound Pressure Spectrum

### RXG35L



Legend

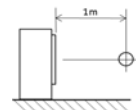
dBA = A-weighted sound pressure level (A scale according to IEC).

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.

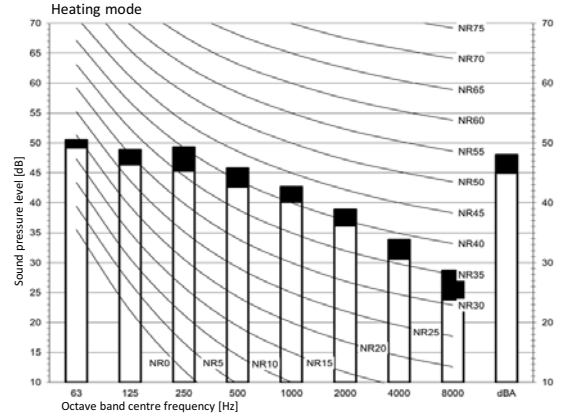
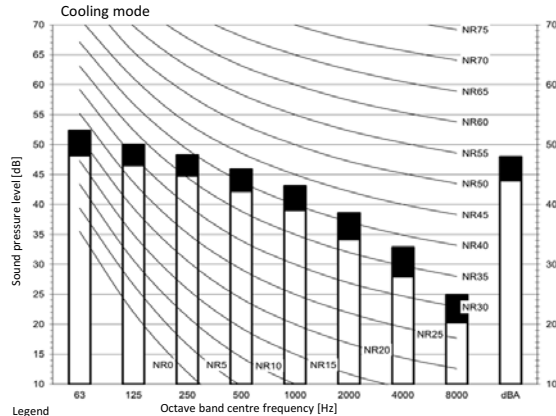
Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

Notes

Operating noise varies depending on operation and ambient conditions.

3D086901A

### RXG50L



Legend

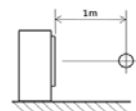
dBA = A-weighted sound pressure level (A scale according to IEC).

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

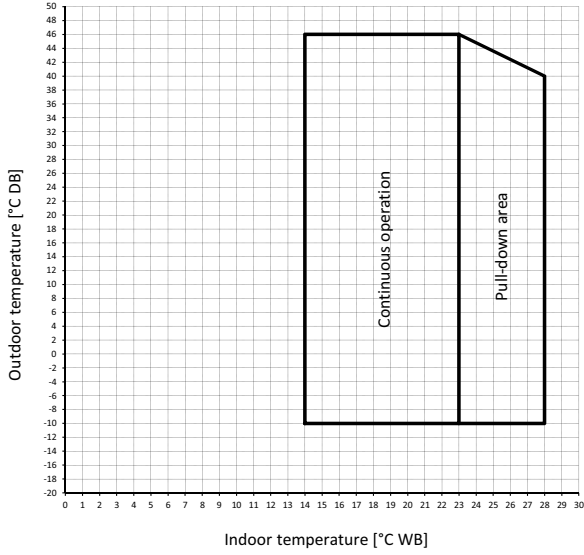


# 10 Operation range

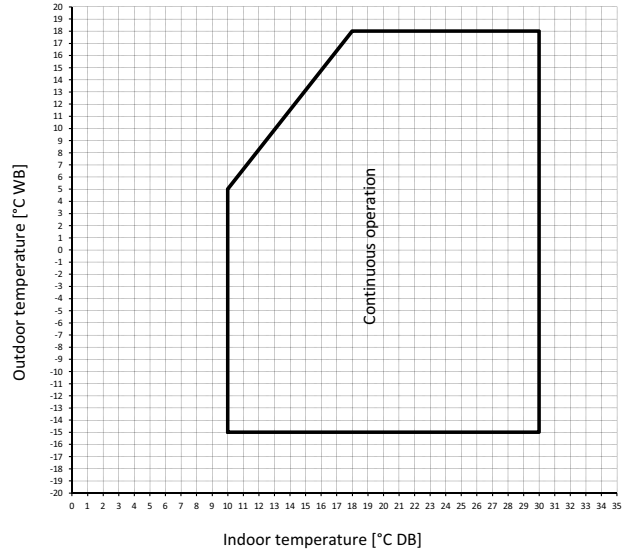
## 10 - 1 Operation Range

RXG-L

Cooling mode



Heating mode



Notes

- 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





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