



Air Conditioning Technical Data



EEEN14-100

RXG-L

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RXG-L

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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

1



Inverter



Outdoor unit
silent operation

2 Specifications

2-1 Nominal Capacity And Nominal Input				FTXG20LW/RXG20L	FTXG25LW/RXG25L	FTXG35LW/RXG35L	FTXG50LW/RXG50L
Cooling capacity	Min.		kW	1.3 (2)		1.4 (2)	1.7 (2)
			Btu/h	4,400 (2)		4,800 (2)	5,800 (2)
			kcal/h	1,120 (2)		1,200 (2)	1,460 (2)
	Max.		kW	2.8 (2)	3.0 (2)	3.8 (2)	5.3 (2)
			Btu/h	9,500 (2)	10,200 (2)	13,000 (2)	18,100 (2)
			kcal/h	2,410 (2)	2,580 (2)	3,270 (2)	4,560 (2)
Heating capacity	Min.		kW	1.3 (3)		1.4 (3)	1.7 (3)
			Btu/h	4,400 (3)		4,800 (3)	5,800 (3)
			kcal/h	1,120 (3)		1,200 (3)	1,460 (3)
	Max.		kW	4.3 (3)	4.5 (3)	5.0 (3)	6.5 (3)
			Btu/h	14,600 (3)	15,400 (3)	17,100 (3)	22,200 (3)
			kcal/h	3,700 (3)	3,870 (3)	4,300 (3)	5,590 (3)
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
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			4.59 (1)		3.97 (1)	3.53 (1)
	COP			5.00 (1)	4.42 (1)	4.06 (1)	3.65 (1)
	Annual energy consumption		kWh	250	262	441	680
	Energy label	Cooling		A			
		Heating		A			
Piping connections	Liquid	OD	mm	6			
	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 (6) / 2.7 (7) / 2.6 (8)	2.9 (6) / 2.8 (7) / 2.7 (8)	5.0 (6) / 4.8 (7) / 4.6 (8)	6.5 (6) / 6.2 (7) / 5.9 (8)
		Heating	A	2.8 (6) / 2.7 (7) / 2.6 (8)	4.4 (6) / 4.2 (7) / 4.0 (8)	5.5 (6) / 5.3 (7) / 5.1 (8)	7.4 (6) / 7.1 (7) / 6.8 (8)

Notes

- (1) EER/COP according to Eurovent 2012, for use outside EU only
- (2) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (3) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m
- (4) SL: The silent fan level of the air flow rate setting
- (5) 220V
- (6) 230V
- (7) 240V

2-2 Nominal Capacity And Nominal Input				FTXG20LS/RXG20L	FTXG25LS/RXG25L	FTXG35LS/RXG35L	FTXG50LS/RXG50L
Cooling capacity	Min.		kW	1.3 (2)		1.4 (2)	1.7 (2)
			Btu/h	4,400 (2)		4,800 (2)	5,800 (2)
			kcal/h	1,120 (2)		1,200 (2)	1,460 (2)
	Max.		kW	2.8 (2)	3.0 (2)	3.8 (2)	5.3 (2)
			Btu/h	9,500 (2)	10,200 (2)	13,000 (2)	18,100 (2)
			kcal/h	2,410 (2)	2,580 (2)	3,270 (2)	4,560 (2)
Heating capacity	Min.		kW	1.3 (3)		1.4 (3)	1.7 (3)
			Btu/h	4,400 (3)		4,800 (3)	5,800 (3)
			kcal/h	1,120 (3)		1,200 (3)	1,460 (3)
	Max.		kW	4.3 (3)	4.5 (3)	5.0 (3)	6.5 (3)
			Btu/h	14,600 (3)	15,400 (3)	17,100 (3)	22,200 (3)
			kcal/h	3,700 (3)	3,870 (3)	4,300 (3)	5,590 (3)

2 Specifications

2-2 Nominal Capacity And Nominal Input				FTXG20LS/RXG20L	FTXG25LS/RXG25L	FTXG35LS/RXG35L	FTXG50LS/RXG50L
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
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			4.59 (1)		3.97 (1)	3.53 (1)
	COP			5.00 (1)	4.42 (1)	4.06 (1)	3.65 (1)
	Annual energy consumption		kWh	250	262	441	680
	Energy label	Cooling		A			
		Heating		A			
Piping connections	Liquid	OD	mm	6			
	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 (6) / 2.7 (7) / 2.6 (8)	2.9 (6) / 2.8 (7) / 2.7 (8)	5.0 (6) / 4.8 (7) / 4.6 (8)	6.5 (6) / 6.2 (7) / 5.9 (8)
		Heating	A	2.8 (6) / 2.7 (7) / 2.6 (8)	4.4 (6) / 4.2 (7) / 4.0 (8)	5.5 (6) / 5.3 (7) / 5.1 (8)	7.4 (6) / 7.1 (7) / 6.8 (8)

Notes

- (1) EER/COP according to Eurovent 2012, for use outside EU only
 (2) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
 (3) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m
 (4) SL: The silent fan level of the air flow rate setting
 (5) 220V
 (6) 230V
 (7) 240V

2-3 Nominal Capacity And Nominal 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 (3)	3.5 (3)	5.0 (3)
			Btu/h	8,500 (3)	11,900 (3)	17,100 (3)
	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 (4)	4.5 (4)	5.8 (4)
			Btu/h	11,600 (4)	15,400 (4)	19,800 (4)
	Max.		kW	4.5	5.0	8.1
			Btu/h	15,400	17,100	27,600
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

2 Specifications

2-3 Nominal Capacity And Nominal Input				FVXG25K/RXG25L	FVXG35K/RXG35L	FVXG50K/RXG50L
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			-		
	COP			-		
	Annual energy consumption		kWh	-		
	Energy label	Cooling		-		
		Heating		-		
Piping connections	Liquid	OD	mm	6		
	Gas	OD	mm	9.5		12.7

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB
- (5) 220V
- (6) 230V
- (7) 240V
- (8) 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		
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
Sound power level		Heating		dBA	62		63		

2 Specifications

2

2-4 Technical Specifications					RXG20L	RXG25L	RXG35L	RXG50L
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			
			Max.	°CDB	46			
	Heating	Ambient	Min.	°CWB	-15			
			Max.	°CWB	20			
Refrigerant	Type				R-410A			
	Charge			kg	1.05			1.6
	GWP				1,975			
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 (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 - 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)			

Notes

- (1) SL: The silent fan level of the air flow rate setting
- (2) 220V
- (3) 230V
- (4) 240V

3 Electrical data

3 - 1 Electrical Data

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
FTXG20LV1BW FTXG20LV1BS	RXG20L2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	40	2.4	23	0.23	40	0.15
		50 - 230					2.3				
		50 - 240					2.2				
FTXG25LV1BW FTXG25LV1BS	RXG25L2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	42	2.6	23	0.23	40	0.15
		50 - 230					2.4				
		50 - 240					2.3				
FTXG35LV1BW FTXG35LV1BS	RXG35L2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	68	4.7	23	0.23	40	0.15
		50 - 230					4.4				
		50 - 240					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.

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	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	47	2.6	23	0.23	32	0.16
		50 - 230					2.5				
		50 - 240					2.4				
FVXG35K2V1B	RXG35L2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	72	4.4	23	0.23	32	0.16
		50 - 230					4.2				
		50 - 240					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.

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
FTXG50LV18W FTXG50LV1BS	RXG50L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	66	6.1	53	0.27	40	0.15
							5.8				
							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.

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 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	70	6.7	53	0.27	32	0.16
							6.3				
							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

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		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

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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	2.79	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 [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]																	
		20			25			30			32			35			40		
°C	D	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]									
		-10		-5		0		6		10	
°C	D	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:
(1) Corresponding refrigerant piping length: 5m
(2) Height difference between outdoor unit and indoor unit: 0m
- Nominal capacity and nominal input

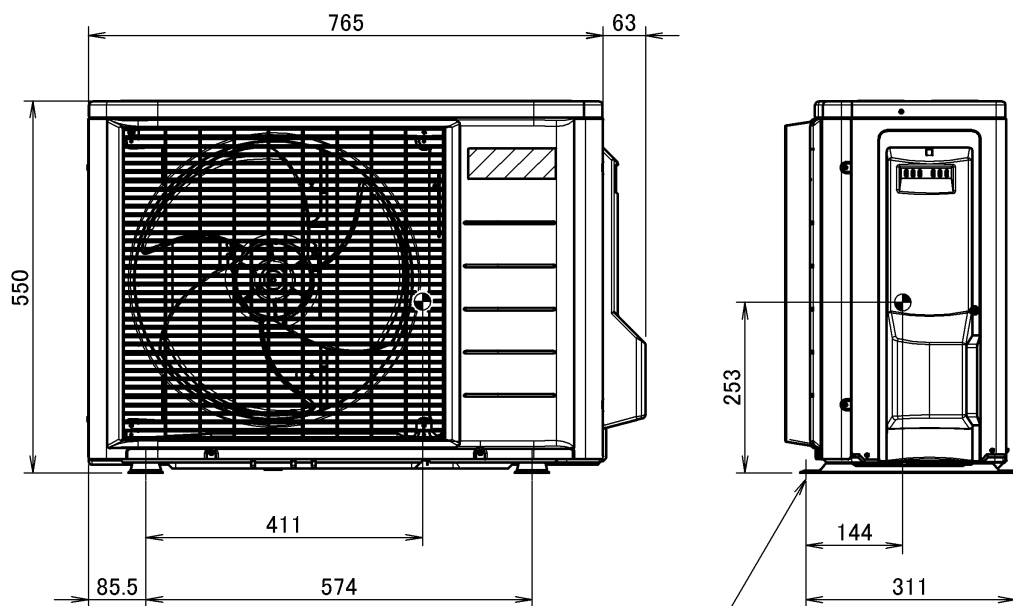
3D086718

3D086726

6 Centre of gravity

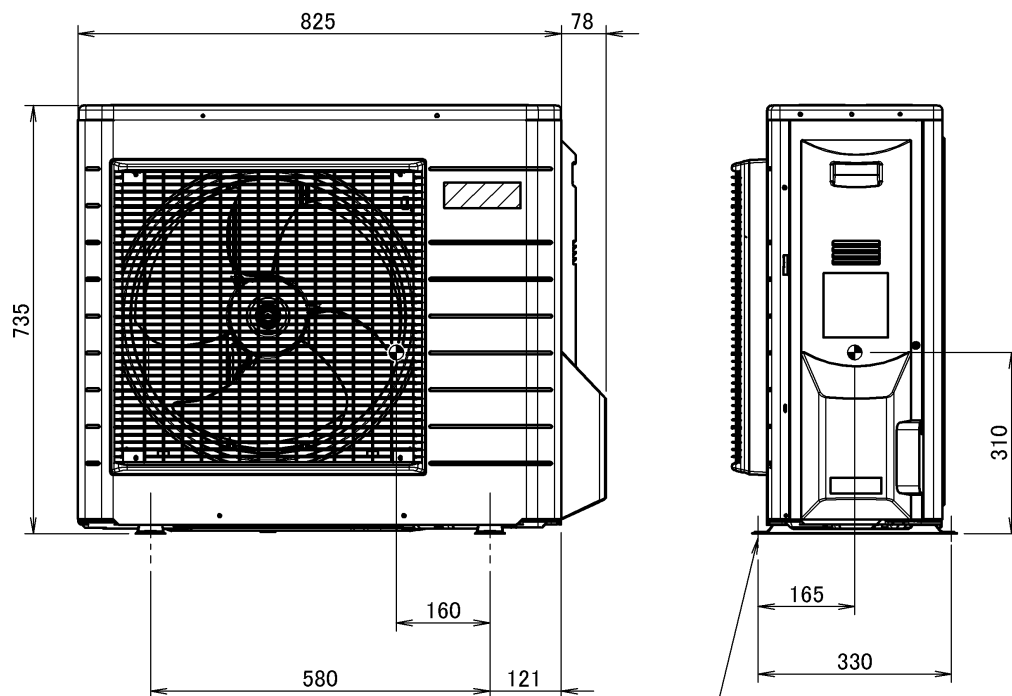
6 - 1 Centre of Gravity

RXG20-35L



4D086713

RXG50L



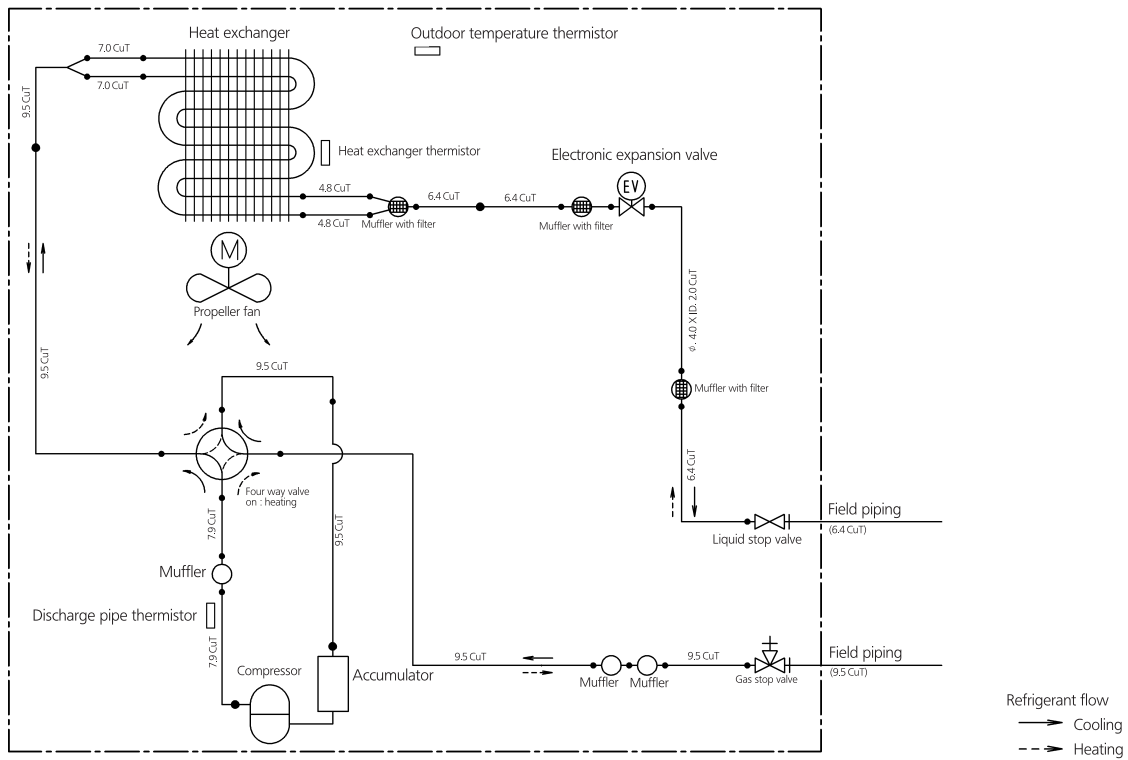
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7 Piping diagrams

7 - 1 Piping Diagrams

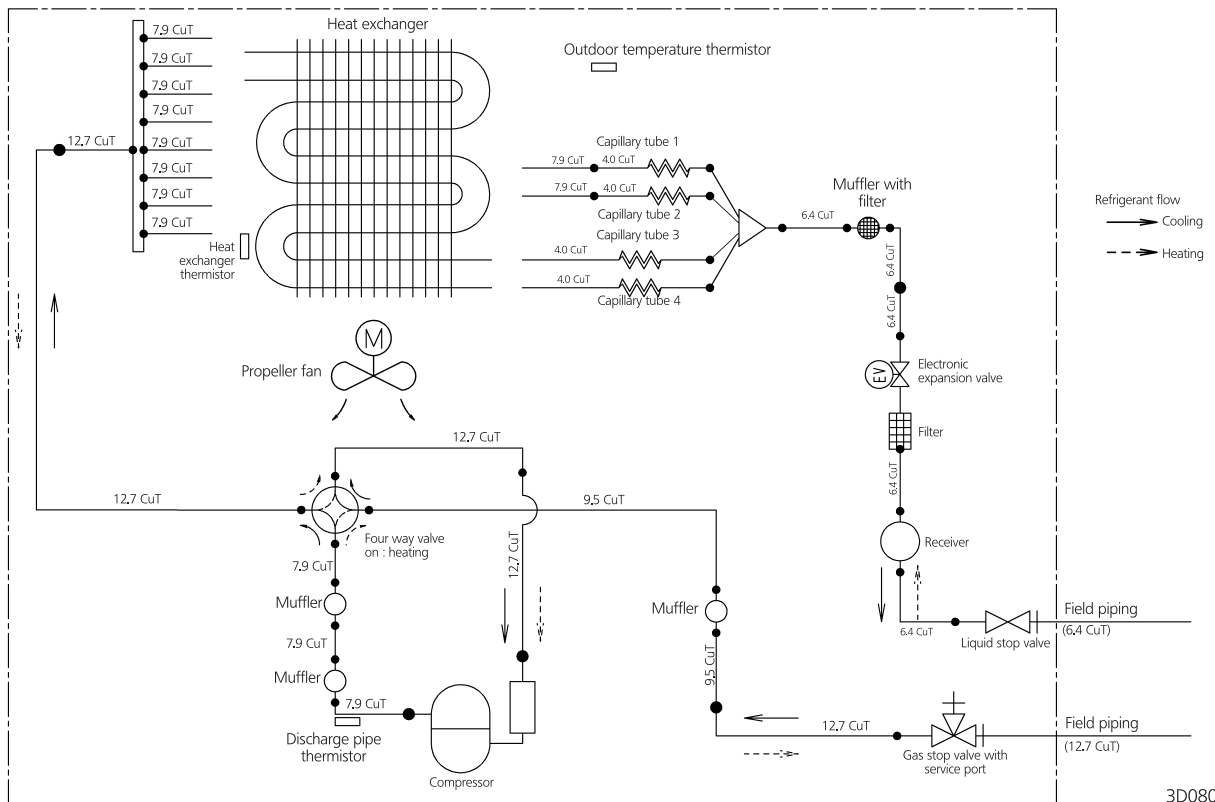
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RXG20-35L



3D059586T

RXG50L



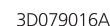
3D080605C

8 - 1 Wiring Diagrams - Single Phase

 Field wiring



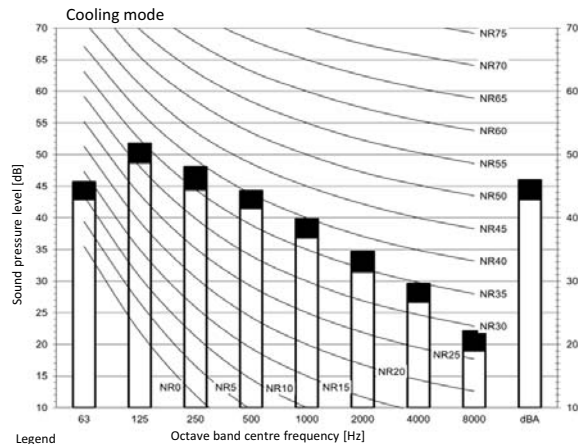
Field wiring



9 Sound data

9 - 1 Sound Pressure Spectrum

RXG20L



Legend

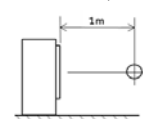
dBA = A-weighted sound pressure level (A scale according to IEC).

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

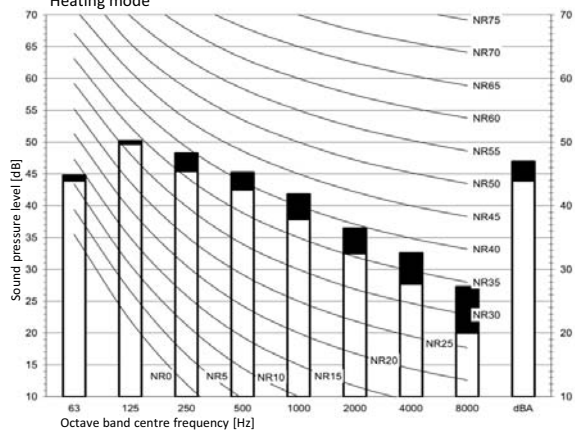
Total dB

A	B
dBA	46

Background noise already taken into account.

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

Heating mode



Heating

Total dB

A	B
dBA	47

Background noise already taken into account.

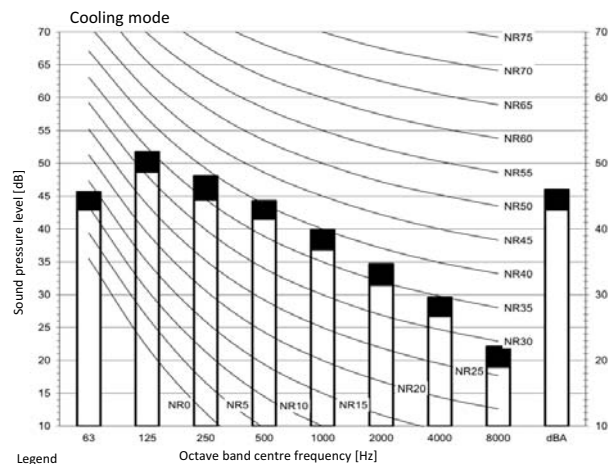
Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

Notes

Operating noise varies depending on operation and ambient conditions.

3D086899

RXG25L



Legend

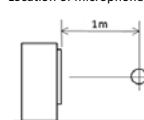
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

Low-tap

Location of microphone



The operation noise measuring method is in accordance with JISC9612.

Measuring location: anechoic chamber

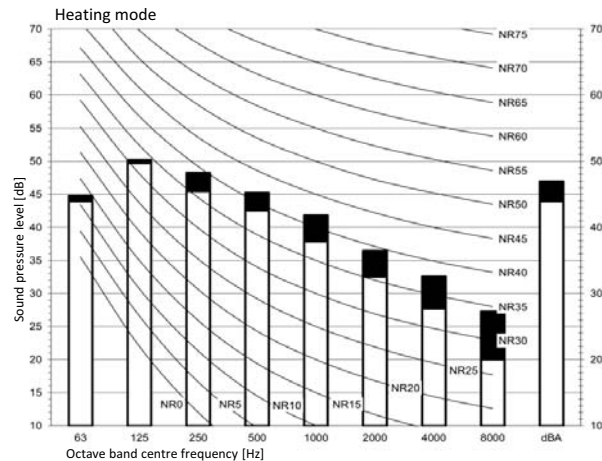
Cooling

Total dB

A	B
dBA	46

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	47

Background noise already taken into account.

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

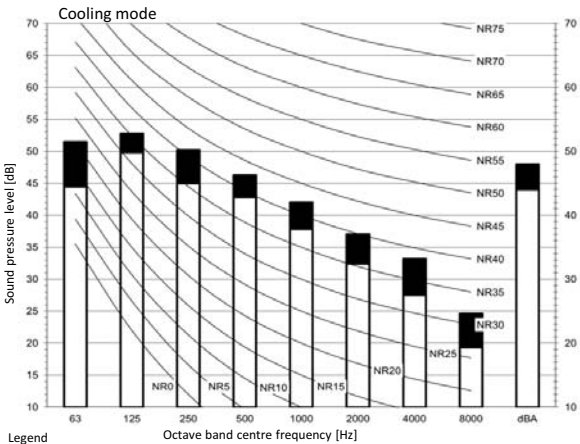
Notes

Operating noise varies depending on operation and ambient conditions.

3D086900

9 Sound data
9 - 1 Sound Pressure Spectrum

RXG35L

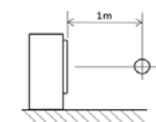


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap
Low-tap

Location of microphone



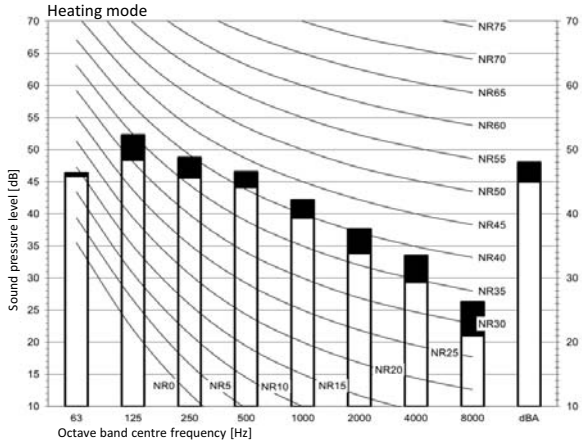
The operation noise measuring method is in accordance with JISC9612.

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

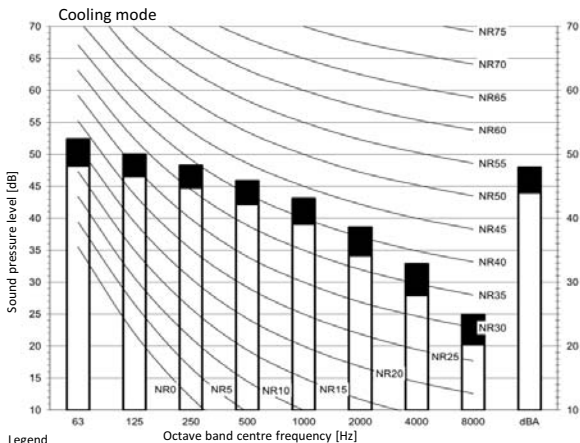
Background noise already taken into account.

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

Notes
Operating noise varies depending on operation and ambient conditions.

3D086901

RXG50L

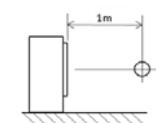


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap
Low-tap

Location of microphone



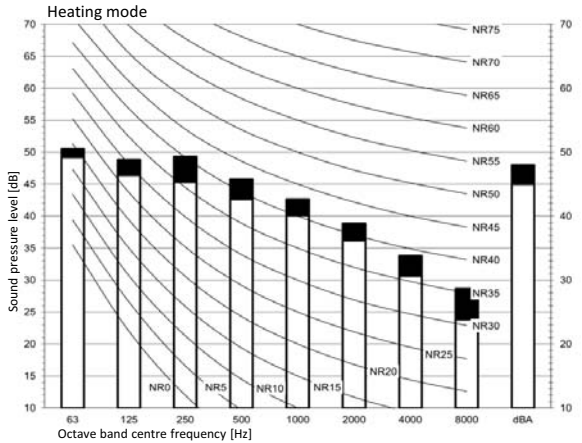
The operation noise measuring method is in accordance with JISC9612.

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.

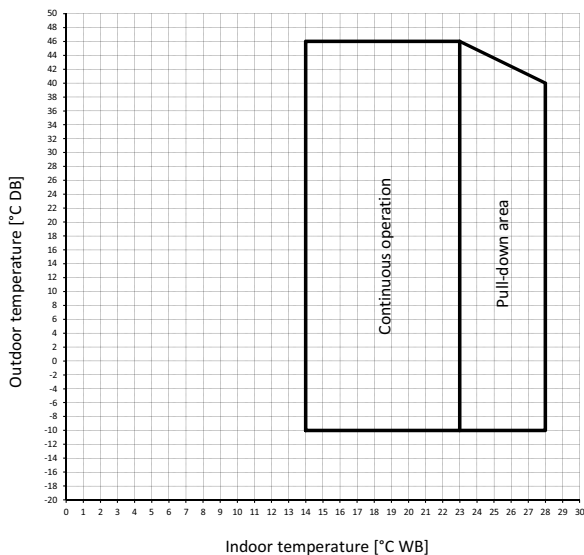
3D086902

10 Operation range

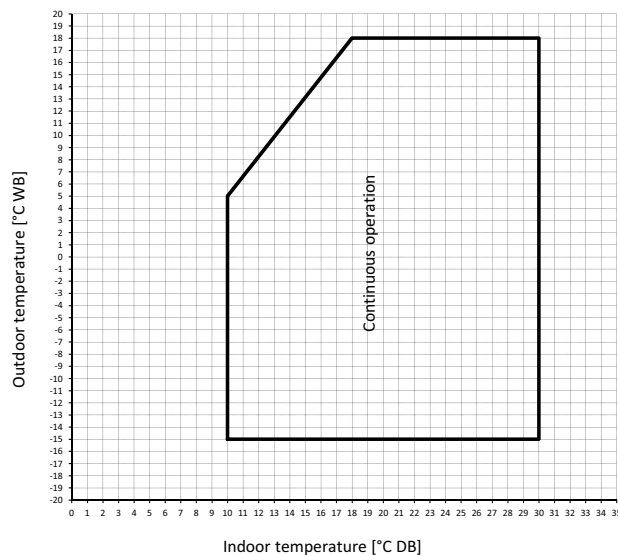
10 - 1 Operation Range

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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