



Air Conditioning

Technical Data



EEDEN14-100

RXS-F8

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RXS-F8

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1 Features

- Energy saving during standby mode: reduces current consumption by about 80% when operating in standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode.
- Outdoor units for pair application
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Outdoor unit silent operation: "silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency

1



Inverter



Outdoor unit
silent operation

2 Specifications

2-1 Nominal Capacity And Nominal Input				FTXS71G/RXS71F8
Cooling capacity	Min.		kW	2.3
			Btu/h	7,800
			kcal/h	1,980
	Nom.		kW	7.10
			Btu/h	24,200
			kcal/h	6,110
	Max.		kW	8.5
			Btu/h	29,000
			kcal/h	7,310
Heating capacity	Min.		kW	2.3
			Btu/h	7,800
			kcal/h	1,980
	Nom.		kW	8.20
			Btu/h	28,000
			kcal/h	7,050
	Max.		kW	10.2
			Btu/h	34,800
			kcal/h	8,770
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A
		Pdesign	kW	7.10
		SEER		5.28
		Annual energy consumption	kWh	471
	Heating (Average climate)	Energy label		A
		Pdesign	kW	6.20
		SCOP		3.81
		Annual energy consumption	kWh	2,276
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.02
	COP			3.22
	Annual energy consumption		kWh	1,175
	Energy label	Cooling		B
		Heating		C
Piping connections	Liquid	OD	mm	6
	Gas	OD	mm	15.9
	Drain	OD	mm	18
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	10.8 (2) / 10.4 (3) / 9.9 (4)
		Heating	A	11.7 (2) / 11.2 (3) / 10.7 (4)

Notes

- (1) EER/COP according to Eurovent 2012, for use outside EU only
- (2) 220V
- (3) 230V
- (4) 240V

2-2 Technical Specifications				RXS71F8
Capacity control	Method			Inverter controlled
Casing	Colour			Ivory white
Dimensions	Unit	Height	mm	770
		Width	mm	900
		Depth	mm	320
	Packed unit	Height	mm	900
		Width	mm	925
		Depth	mm	390
Weight	Unit		kg	71
	Packed unit		kg	79
Packing	Weight		kg	8

2 Specifications

2-2 Technical Specifications					RXS71F8	
Heat exchanger	Length		mm		857	
	Rows	Quantity			2	
	Fin pitch		mm		1.4	
	Stages	Quantity			34	
	Tube type			ø8 Hi-XSL		
	Fin	Type			Waffle louvered fin	
Compressor	Model				2YC63BXD#A	
	Type				Hermetically sealed swing compressor	
	Output		W		1,920	
Fan	Type				Propeller fan	
	Air flow rate	Cooling	High	m³/min	54.5	
				cfm	1,924	
			Super low	m³/min	46.0	
				cfm	1,624	
		Heating	High	m³/min	46.0	
				cfm	1,624	
			Super low	m³/min	46.0	
				cfm	1,624	
Fan motor	Model				KFD-280-66-8A	
	Output			W	66	
	Speed	Cooling	High	rpm	860	
				Super low	rpm	730
		Heating	High	rpm	730	
				Super low	rpm	730
Sound power level	Cooling			dBA	65	
	Heating			dBA	66	
Sound pressure level	Cooling	High		dBA	52	
		Silent operation		dBA	49	
	Heating	High		dBA	52	
		Silent operation		dBA	49	
Operation range	Cooling	Ambien t	Min.	°CDB	-10	
			Max.	°CDB	46	
	Heating	Ambien t	Min.	°CWB	-15	
			Max.	°CWB	18	
Refrigerant	Type				R-410A	
	Charge			kg	2.3	
	GWP				1,975	
Refrigerant oil	Type				FVC50K	
	Charged volume			l	0.750	
Piping connections	Drain	ID		mm	-	
	Piping length	OU - IU	Max.	m	30	
		System	Chargel ess	m	10	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	20	

2-3 Electrical Specifications					RXS71F8
Power supply	Name				V1
	Phase				1~
	Frequency		Hz		50
	Voltage		V		220-240
Current	Nominal running current (RLA)	Cooling	A	10.59 (2) / 10.20 (3) / 9.71 (4)	
		Heating	A	11.42 (2) / 10.93 (3) / 10.44 (4)	
	Starting current	Cooling	A	11.7	
		Heating	A	11.7	

2 Specifications

2-3 Electrical Specifications			RXS71F8
Current - 50Hz	Maximum fuse amps (MFA)	A	-
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

3

RXS60L RXS71F8

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS60GV1B	RXS60L2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	84	8.7	53	0.32	43	0.16
		50 - 230					8.3				
		50 - 240					7.9				
FTXS71GV1B	RXS71FAV1B8	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	57	10.3	66	0.40	43	0.19
		50 - 230					9.9				
		50 - 240					9.4				

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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/19.0°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.

Minimum Ssc value: kVA
Equipment complying with EN61000-3-12

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS71GV1B + RXS71FAV1B8

Cooling 50Hz 220-240V

AFR	17.2
BF	0.17

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	6.95	4.90	1.77	6.94	4.89	1.98	6.61	4.72	2.15	6.48	4.65	2.22	6.28	4.54	2.32	5.95	4.37	2.50
16.0	22	7.60	4.98	1.81	7.27	4.81	1.99	6.94	4.65	2.16	6.81	4.58	2.23	6.61	4.48	2.33	6.28	4.32	2.51
18.0	25	7.93	5.16	1.82	7.60	5.00	2.00	7.27	4.85	2.17	7.13	4.79	2.24	6.94	4.70	2.34	6.61	4.55	2.52
19.0	27	8.09	5.39	1.83	7.76	5.24	2.00	7.43	5.09	2.18	7.30	5.03	2.25	7.10	4.94	2.35	6.77	4.80	2.52
22.0	30	8.58	5.18	1.84	8.25	5.04	2.02	7.92	4.91	2.19	7.79	4.86	2.26	7.59	4.78	2.37	7.26	4.65	2.54
24.0	32	8.91	5.02	1.85	8.58	4.90	2.03	8.25	4.78	2.20	8.12	4.73	2.27	7.92	4.66	2.38	7.59	4.54	2.55

Heating 50Hz 220-240V

AFR	19.5
-----	------

Indoor		Outdoor temperature (°CWB)									
EDB		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		5.52	2.16	6.45	2.26	7.37	2.37	8.48	2.49	9.22	2.58
20.0		5.24	2.21	6.16	2.32	7.09	2.42	8.20	2.55	8.94	2.63
22.0		5.12	2.24	6.05	2.34	6.98	2.45	8.09	2.57	8.83	2.66
24.0		5.01	2.26	5.94	2.36	6.86	2.47	7.97	2.60	8.65	2.68
25.0		4.95	2.27	5.88	2.38	6.81	2.48	7.92	2.61	8.38	2.67
27.0		4.84	2.29	5.77	2.40	6.69	2.50	7.80	2.63	7.84	2.67

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SYMBOLS

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

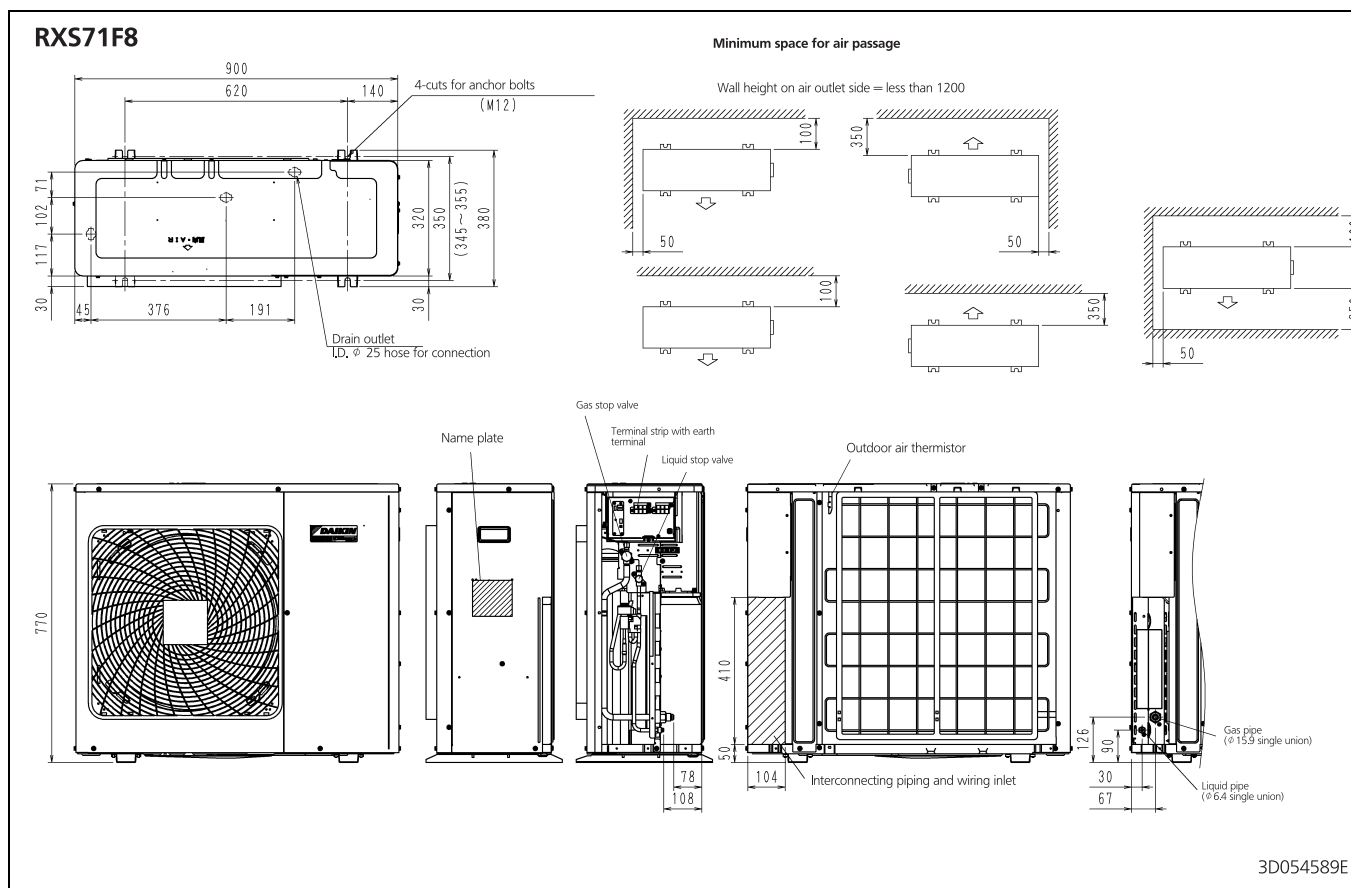
NOTES

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

5 Dimensional drawings

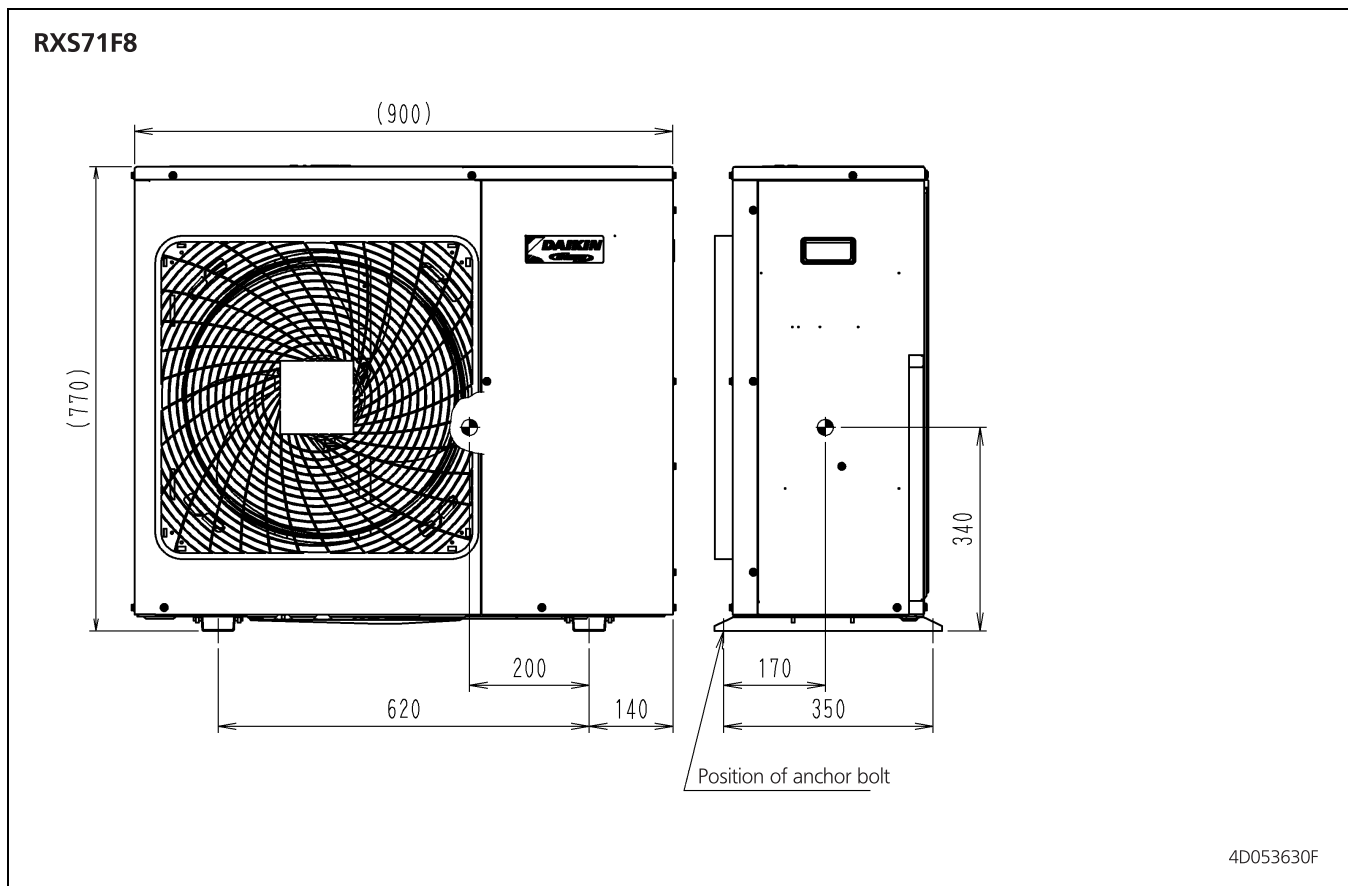
5 - 1 Dimensional Drawings

5



6 Centre of gravity

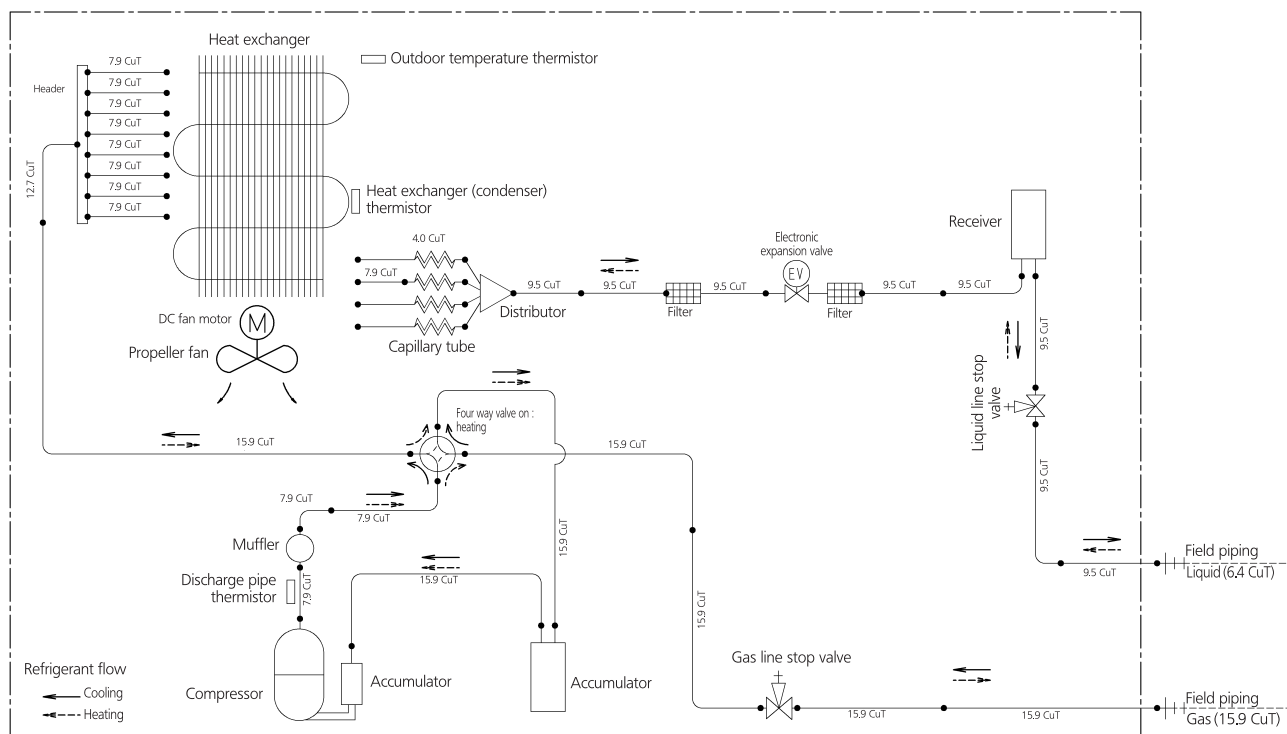
6 - 1 Centre of Gravity



7 Piping diagrams

7 - 1 Piping Diagrams

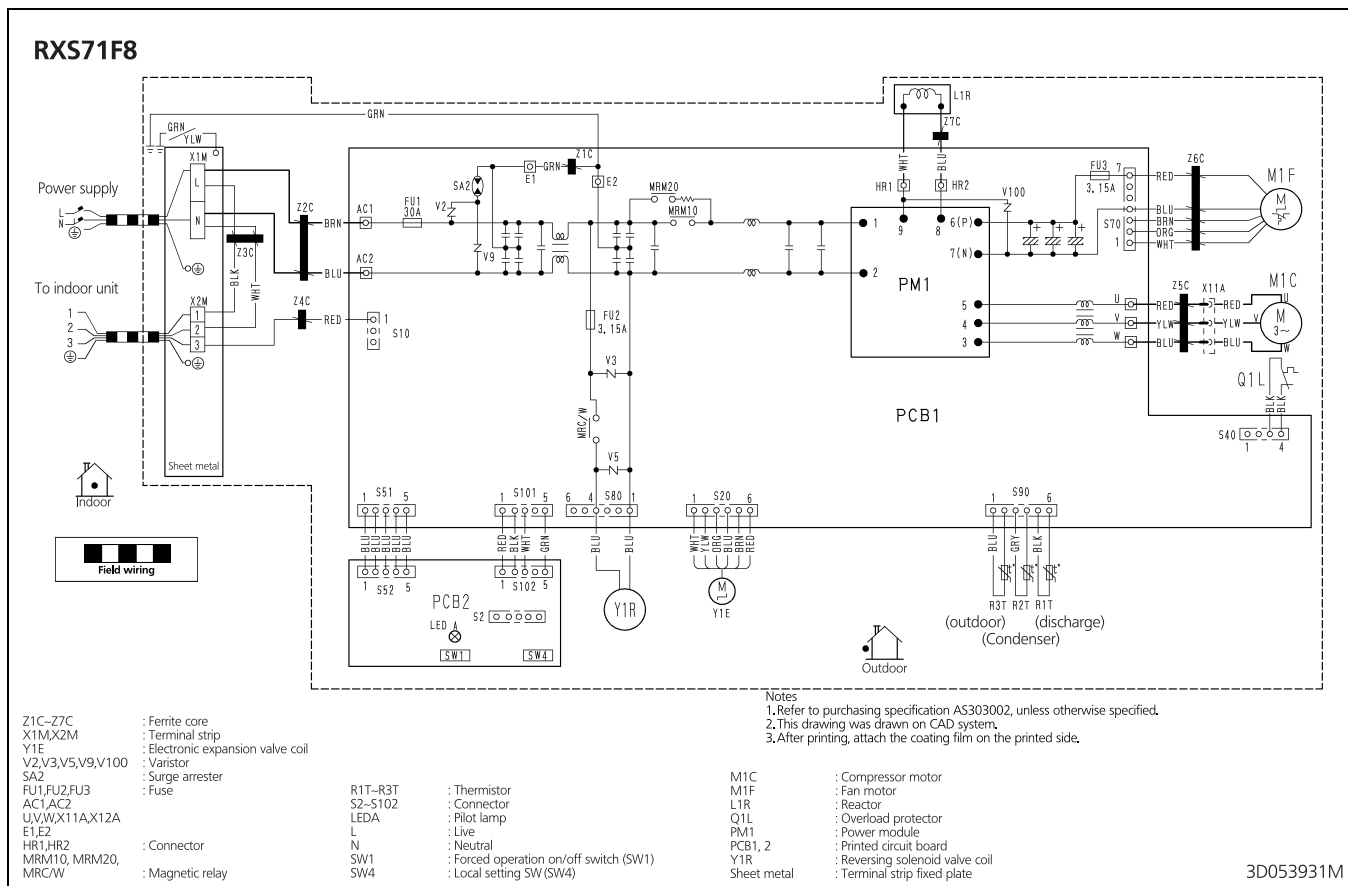
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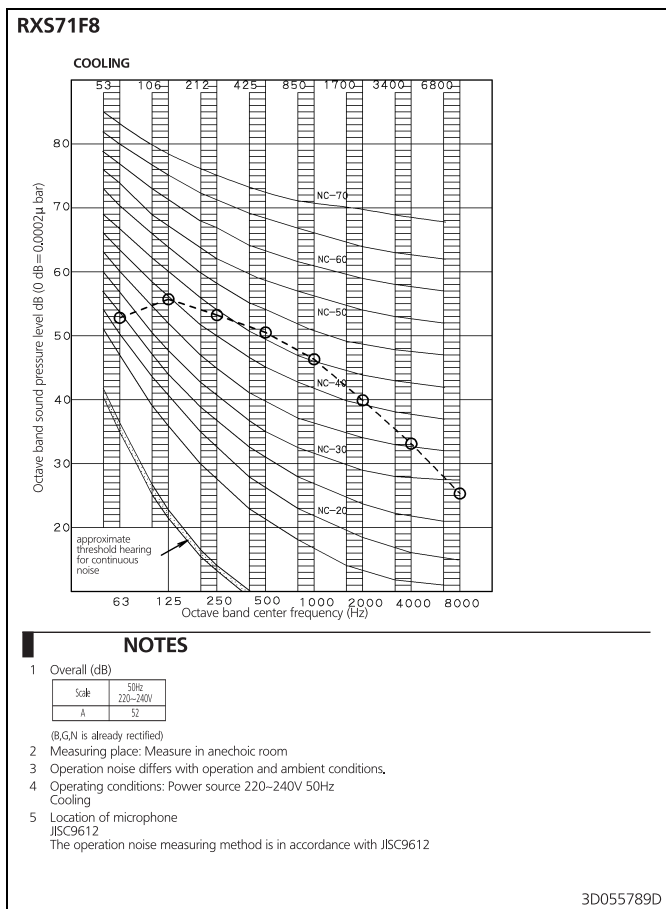
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase



9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling



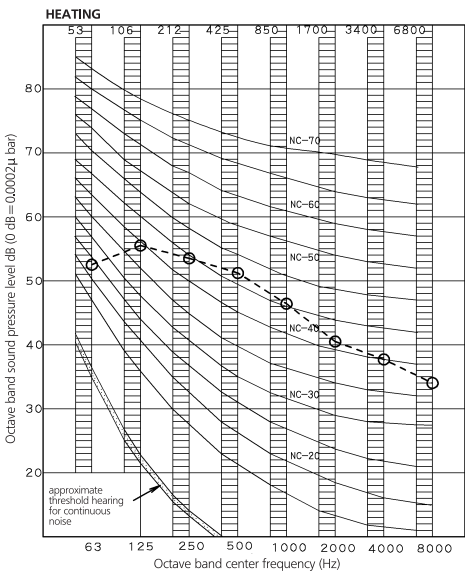
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Sound data

9 - 2

Sound Pressure Spectrum - Heating

RXS71F8



NOTES

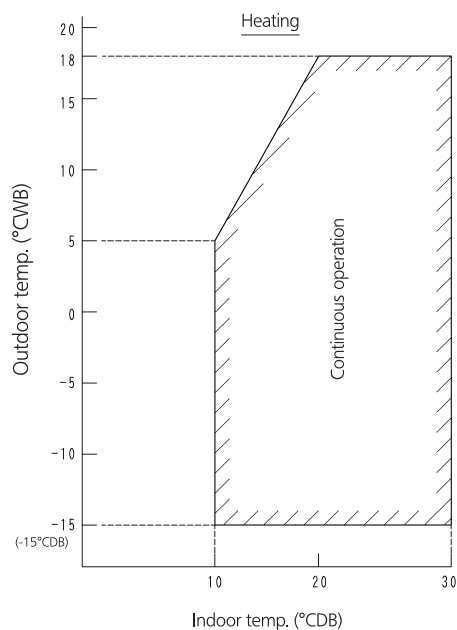
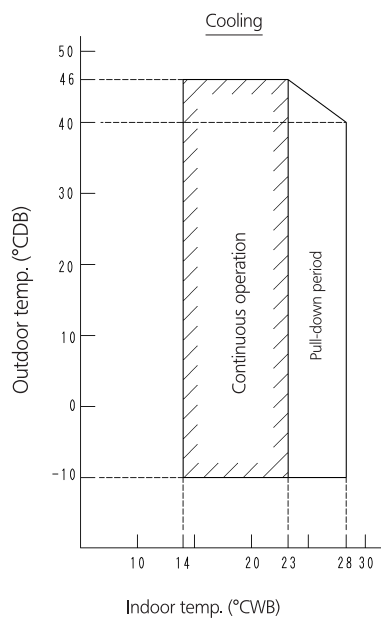
- 1 Overall (dB)
- | | |
|-------|------------------|
| Scale | 50Hz
220~240V |
| A | 52 |
- (B,G,N is already rectified)
- 2 Measuring place: Measure in anechoic room
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 220~240V 50Hz
Heating
- 5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

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10 Operation range

10 - 1 Operation Range

RXS-L/F8



Notes:

The graphs are based on the following conditions:

- Equivalent piping length 5.0 m
- Level difference 0 m
- Air flow rate high

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