



Air Conditioning Technical Data



EEDEN15-100

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



Inverter



Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power 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	
Power input	Cooling	Min.	kW	0.570	
		Nom.	kW	2.350	
		Max.	kW	3.200	
	Heating	Min.	kW	0.520	
		Nom.	kW	2.550	
		Max.	kW	3.820	
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	
Piping connections	Liquid	OD	mm	6.35	
	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 (1) / 10.4 (2) / 9.9 (3)	
		Heating	A	11.7 (1) / 11.2 (2) / 10.7 (3)	
Nominal efficiency	EER		3.02		
	COP		3.22		
	Annual energy consumption		kWh	1,175	
	Energy label	Cooling	B		
		Heating	C		

Notes

- (1) 220V
- (2) 230V
- (3) 240V

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

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

2-2 Technical Specifications		RXS71F8	
Capacity control	Method	Inverter controlled	
Casing	Colour	Ivory white	

2 Specifications

2

2-2 Technical Specifications					RXS71F8	
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	
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		
Type		Propeller fan				
Fan	Air flow rate	Cooling	High	m ³ /min	54.5	
				cfm	1,924	
			Super low	m ³ /min	46.0	
				cfm	1,624	
		Heating	High	m ³ /min	46.0	
				cfm	1,624	
			Super low	m ³ /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	
	Cooling	High	dBA		52	
		Silent operation	dBA		49	
Heating	High	dBA		52		
	Silent operation	dBA		49		
Operation range	Cooling	Ambient	Min.	°CDB	-10	
			Max.	°CDB	46	
	Heating	Ambient	Min.	°CWB	-15	
			Max.	°CWB	18	
Refrigerant	Type		R-410A			
	Charge		kg		2.3	
			TCO ₂ eq		4.8	
	GWP		2,087.5			
Refrigerant oil	Type		FVC50K			
	Charged volume		l		0.750	
Piping connections	Drain	ID		mm		-
	Piping length	OU - IU	Max.	m		30
		System	Chargeless	m		10
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m		20

2 Specifications

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
		Heating	A
	Starting current	Cooling	A
		Heating	A
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) 220V

(2) 230V

(3) 240V

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

Contains fluorinated greenhouse gases

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
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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<p>SYMBOLS</p> <p>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)</p> <p>Minimum Ssc value: kVA Equipment complying with EN61000-3-12</p>	<p>NOTES</p> <ol style="list-style-type: none"> 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.
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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 °C	EDB °C	20			25			30			32			35			40		
		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
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Indoor		Outdoor temperature (°CWB)									
EDB °C	°C	-10		-5		0		6		10	
		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)

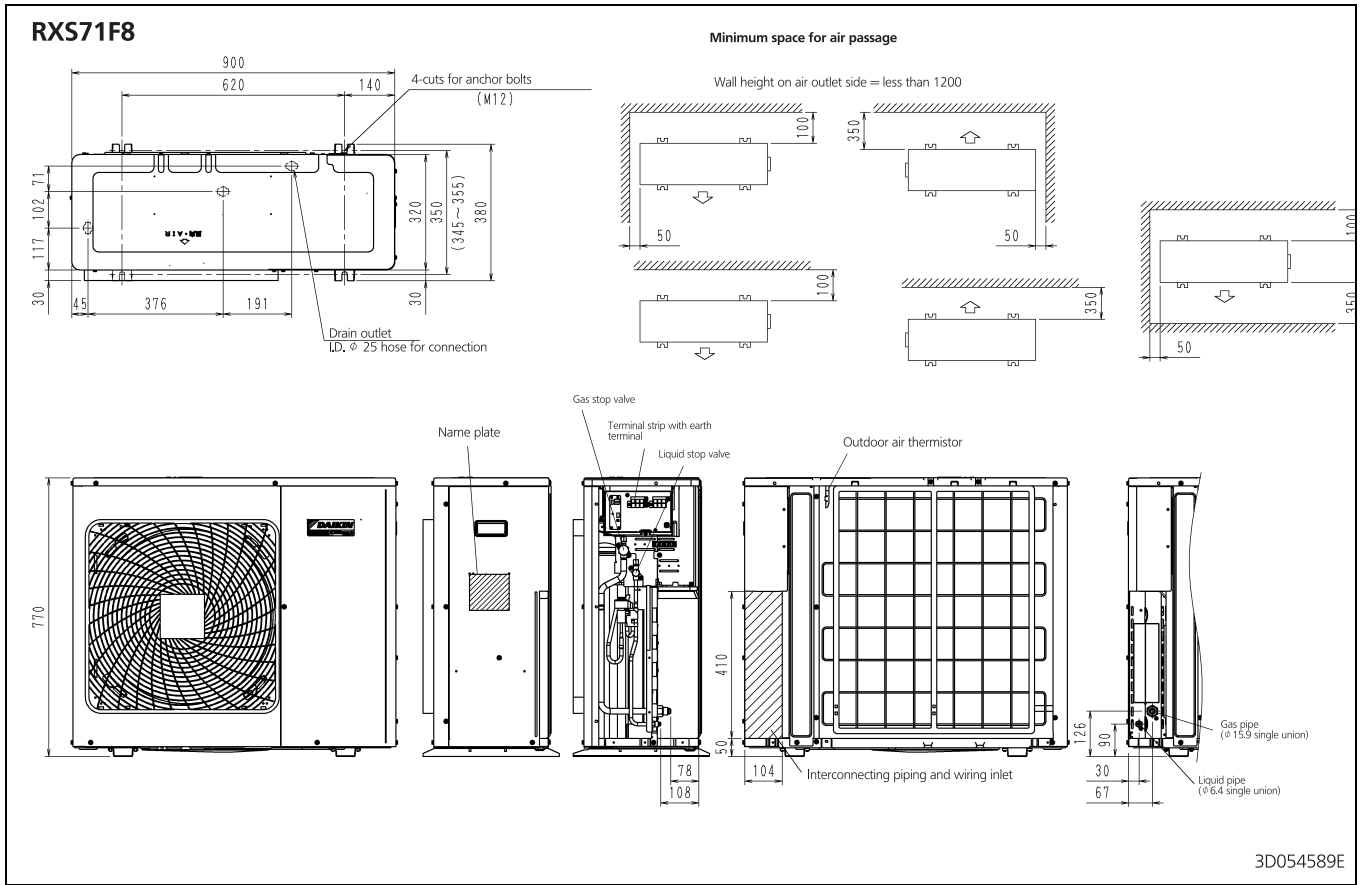
NOTES

- 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

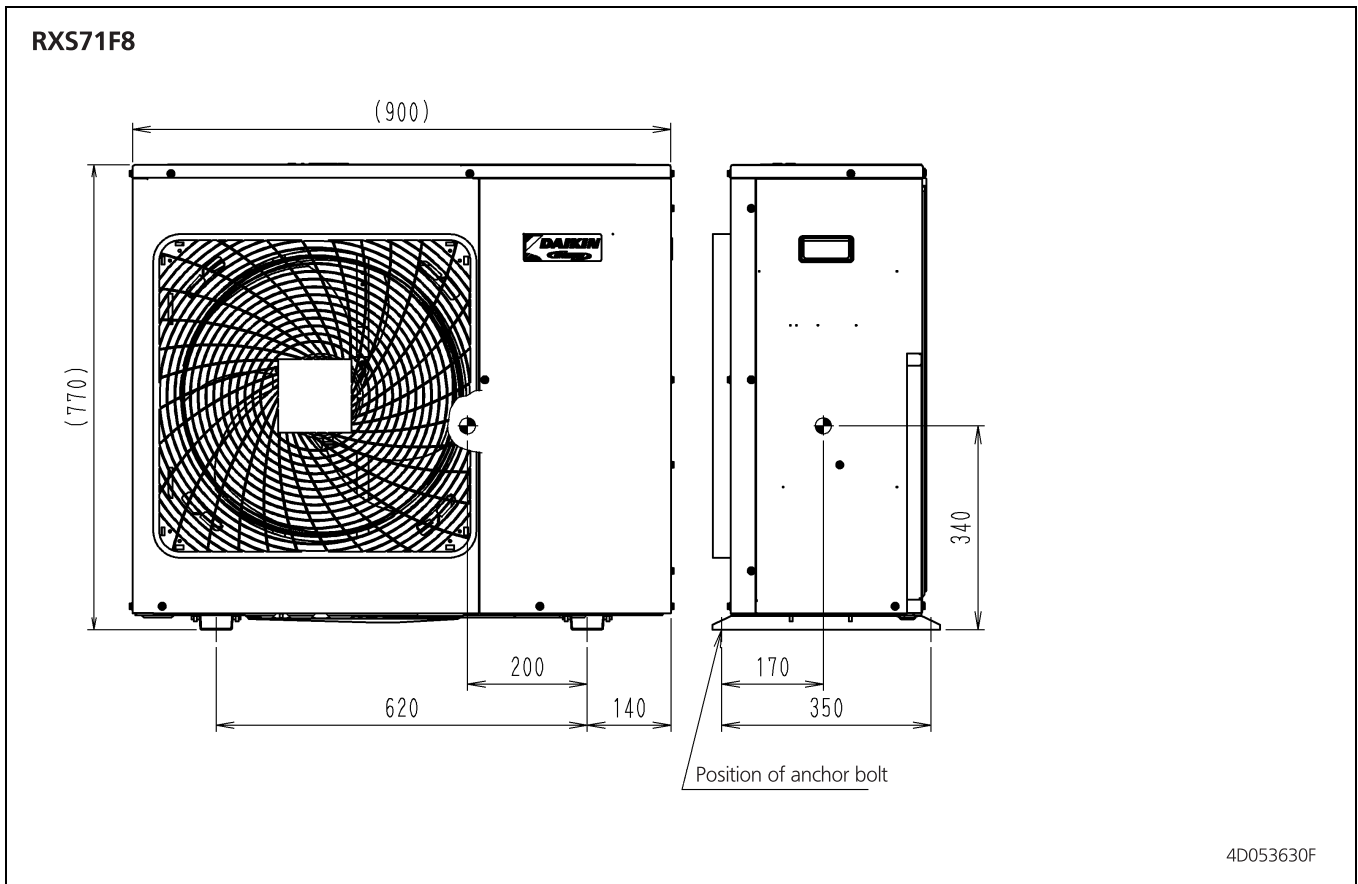
5 - 1 Dimensional Drawings

5



6 Centre of gravity

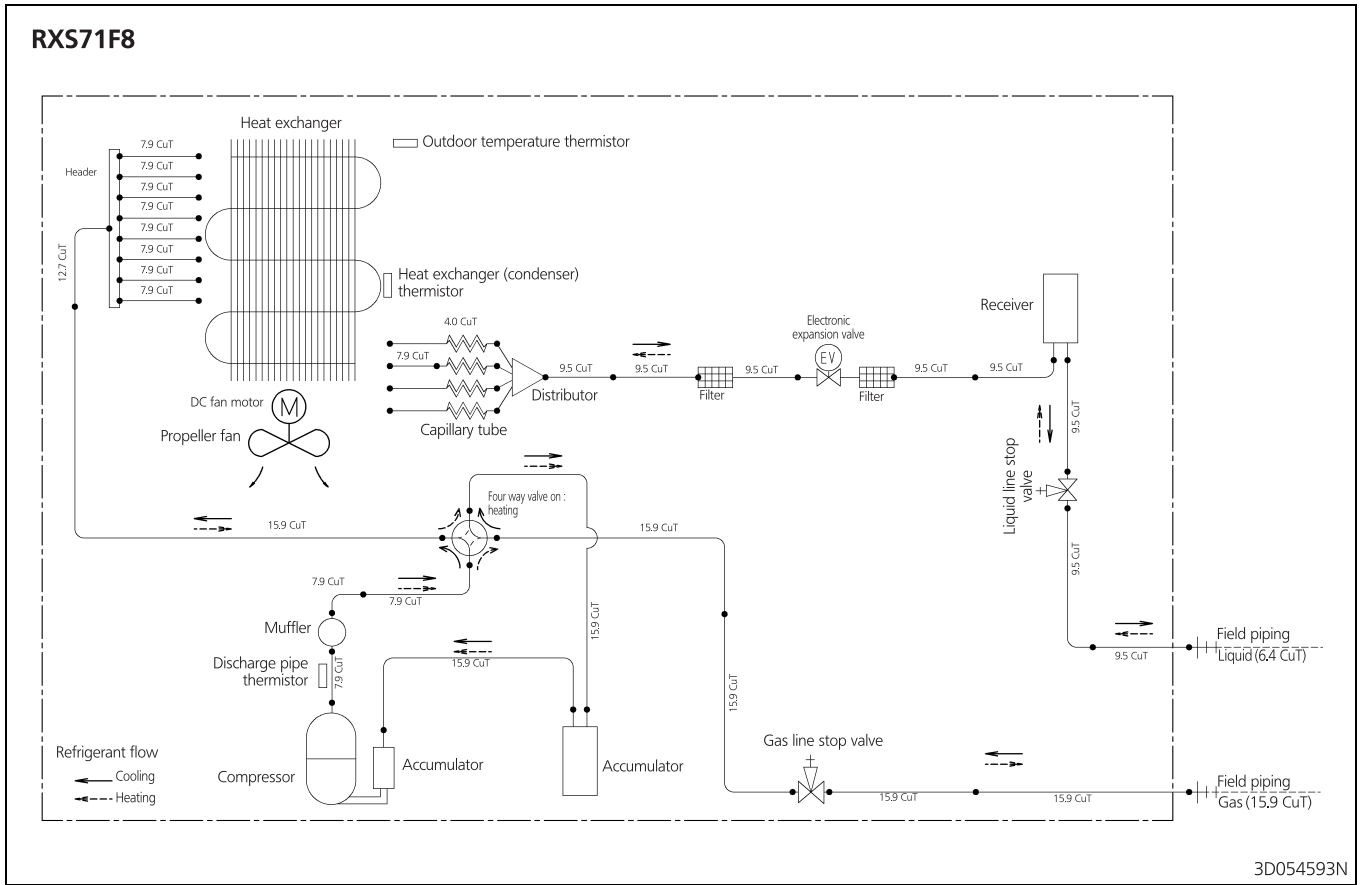
6 - 1 Centre of Gravity



7 Piping diagrams

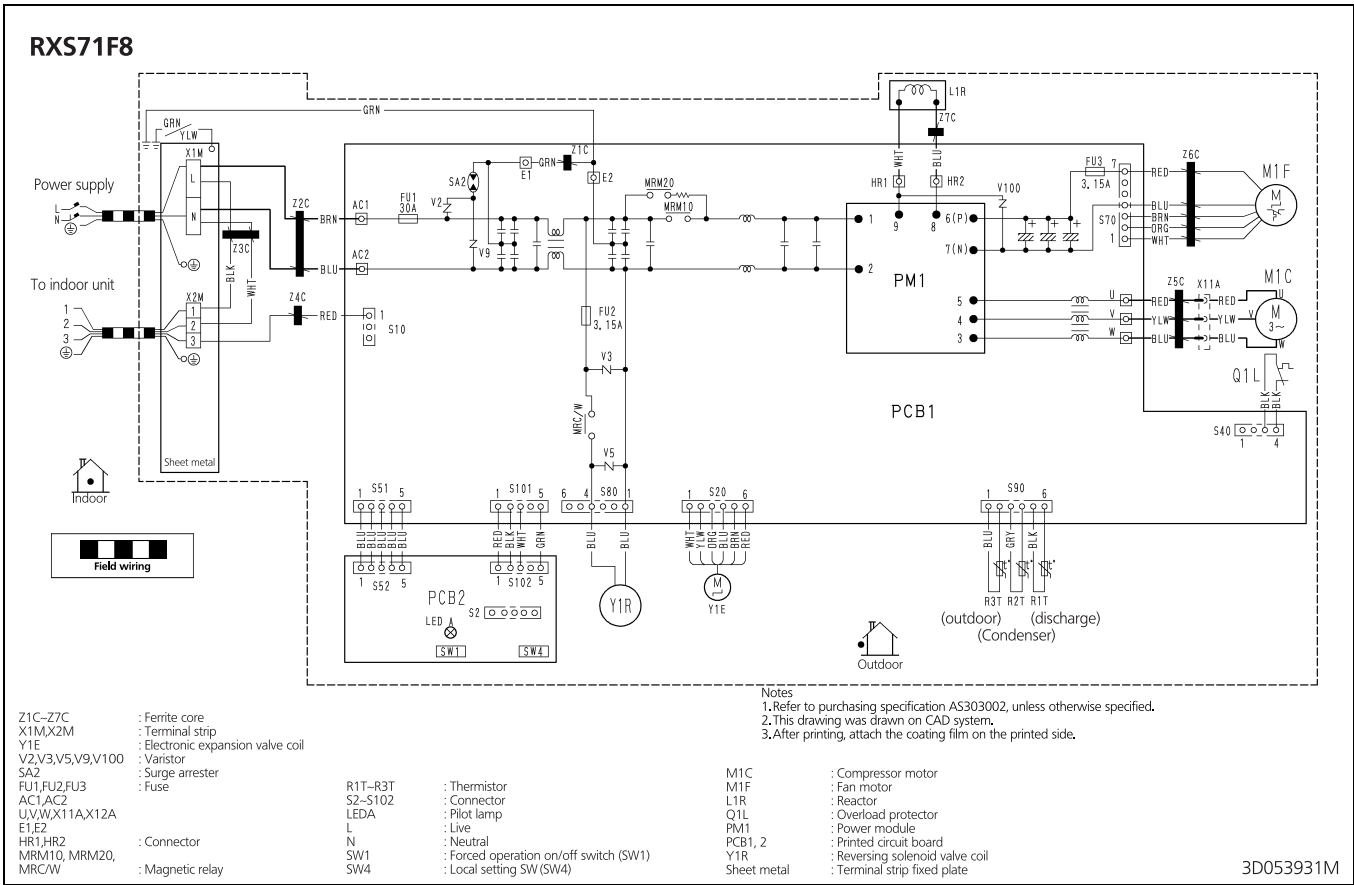
7 - 1 Piping Diagrams

7



8 Wiring diagrams

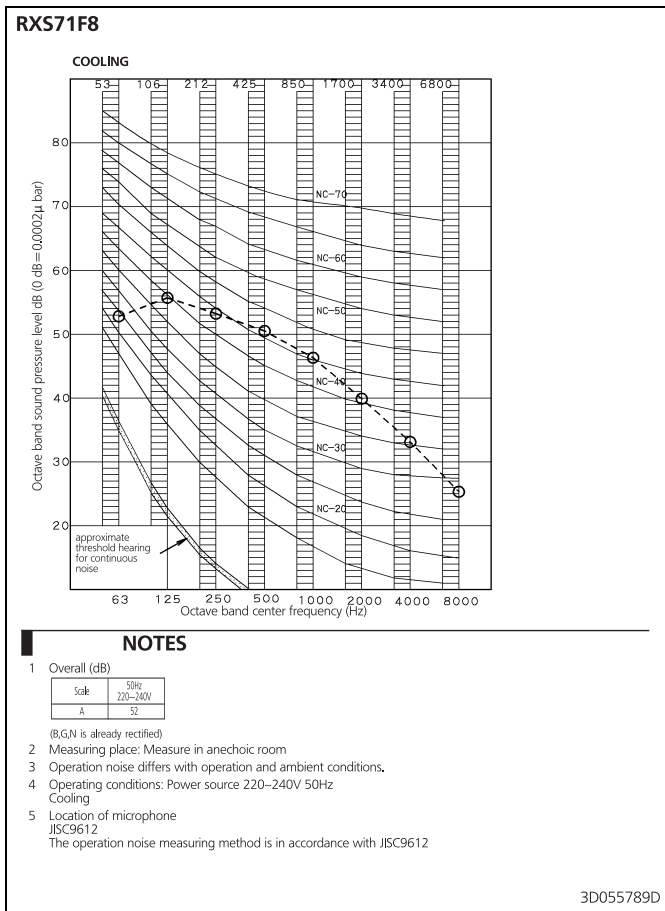
8 - 1 Wiring Diagrams - Single Phase



9 Sound data

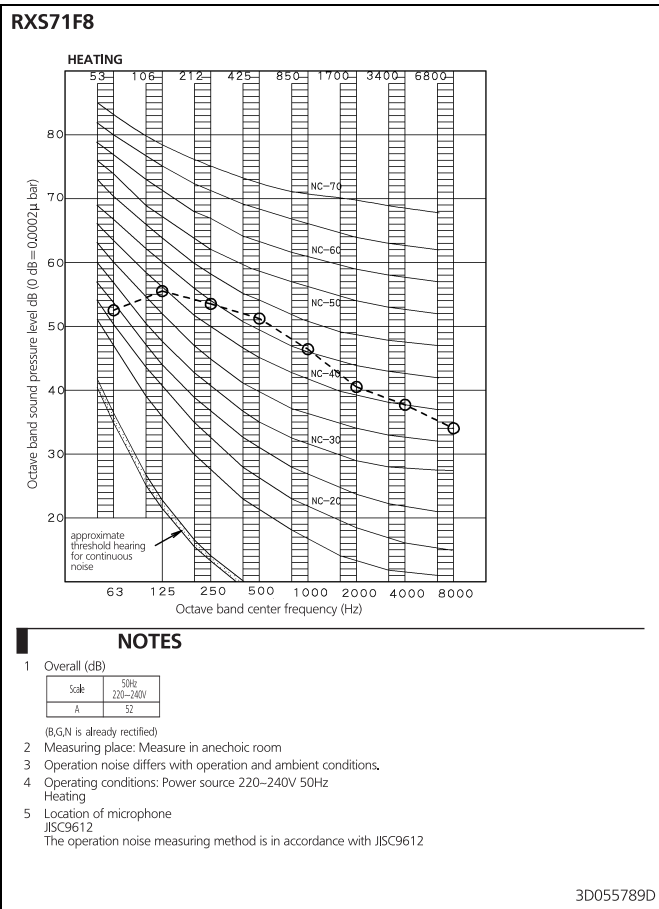
9 - 1 Sound Pressure Spectrum - Cooling

9



9 Sound data

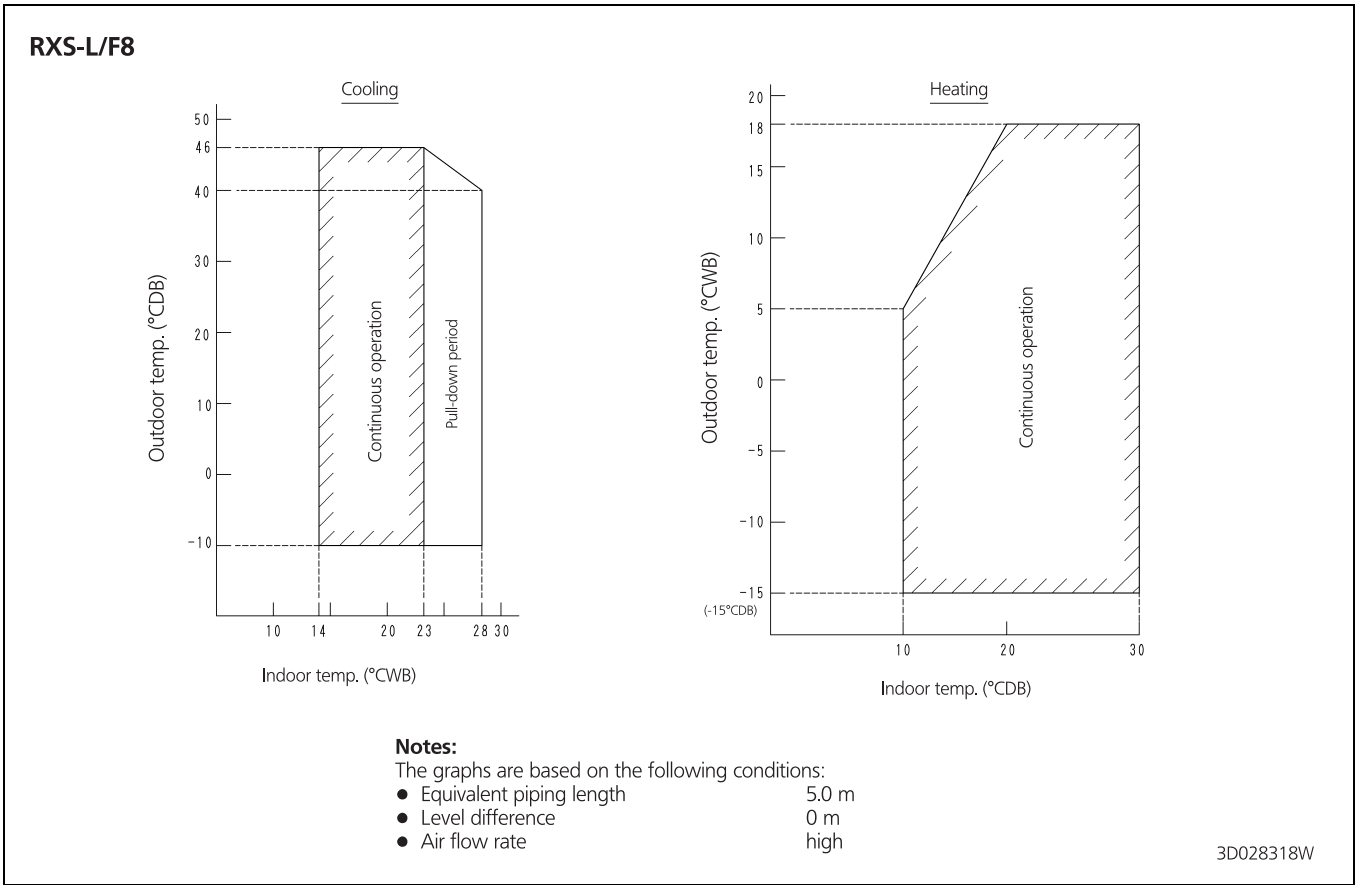
9 - 2 Sound Pressure Spectrum - Heating



10 Operation range

10 - 1 Operation Range

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