



technical data

Outdoor Units

RKS-F3V1B
RKS-FAV1B

air conditioning systems

R-410A



technical data

Outdoor Units

RKS-F3V1B
RKS-FAV1B

air conditioning systems

R-410A

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RXS-F3V1B_RXS-FAV1B

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1 Features

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



2 Specifications

2-1 Nominal Capacity and Nominal Input				RXS60F3V1B	RXS71FAV1B
For combination indoor units + outdoor units	Indoor Units			FTXS60GV1B	FTXS71GV1B
Cooling capacity	Nominal	Btu/h		20,5	24,2
	Nominal	kcal/h		5,160	6,110
	Nominal	kW		6.000	7.100
	Maximum	Btu/h		22,9	29,0
	Maximum	kcal/h		5,760	7,310
	Maximum	kW		6.700	8.500
	Minimum	Btu/h		5,800	7,800
	Minimum	kcal/h		1,460	1,980
	Minimum	kW		1.700	2.300
Power input	Cooling	Minimum	kW	0.440	0.570
		Nominal	kW	1.990	2.350
		Maximum	kW	2.400	3.200
For combination indoor units + outdoor units	EER			3.02	
	COP			3.43	3.22
	Energy label	Cooling		B	D
	Annual energy consumption			kWh	995

2-2 Technical Specifications				RXS60F3V1B	RXS71FAV1B
Casing	Colour			Ivory White	
Dimensions	Unit	Height	mm	735	770
		Width	mm	825	900
		Depth	mm	300	320
	Packing	Height	mm	797	900
		Width	mm	960	925
		Depth	mm	390	
Weight	Unit	kg		48	71
	Packed Unit	kg		53	80
Heat Exchanger	Dimensions	Length	mm	845	857
		Nr of Rows		2	2
		Fin Pitch	mm	1.8	1.4
		Nr of Stages		32	34
	Tube type		ø8 Hi-XA		ø8 Hi-XSS
	Fin	Type	Waffle fin		
	Treatment	Anti-corrosion treatment (PE)			
Fan	Type			Propeller	
Fan - Air flow rate	Heating	High	m³/min	46.3	52.5
		Low	m³/min	42.4	46
		High	cfm	1,635	1,854
		Low	cfm	1,496	1,624
	Cooling	High	m³/min	50.9	54.5
		Low	m³/min	42.4	57.1
		High	cfm	1,797	1,924
		Low	cfm	1,496	1,624
Fan - Running current	Cooling	High	A	9.010	10.590
		Low	A	8.230	9.710
		Standard	A	8.62	10.2
	Heating	High	A	9.19	11.42
		Low	A	8.41	10.44
		Standard	A	8.80	10.93
Fan - Power consumption	Cooling	High	W	1,950	2,305
		Low	W	1,950	2,305
		Standard	W	1,950	2,305
	Heating	High	W	1,995	2,490
		Low	W	1,995	2,490
		Standard	W	1,995	2,490

2 Specifications

2-2 Technical Specifications				RXS60F3V1B	RXS71FAV1B
Fan motor	Speed (high)	Cooling	rpm	810	860
		Heating	rpm	740	830
	Speed (Low)	Cooling	rpm	680	730
		Heating	rpm	680	730
Fan	Motor	Output	W	53	66
	Model			KFD-380-50-8C	KFD-280-66-8A
Compressor	Motor	Model		2YC36BXD#C	2YC36BXD#A
		Type	Hermetically sealed swing compressor		
		Motor Output	W	1920	1100
Operation Range	Cooling	Min	°CDB	-10	
		Max	°CDB	46	
	Heating	Min	°CWB	-15	
		Max	°CWB	20	
Sound Level (nominal)	Cooling	Sound Power	dBA	63	66
Sound pressure level	Cooling	High	dBA	49	52
		Low	dBA	46	49
	Heating	High	dBA	49	52
		Low	dBA	46	49
Refrigerant	Type	R-410A			
	Charge		kg	1.5	2.3
Piping connections	Liquid (OD)	OD	mm	6.35	
		Gas	OD	mm	15.900
	Drain	OD	mm	ø18	
	Heat Insulation	Both liquid and gas pipes			
Notes	Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m Capacities are net, including a deduction for cooling for indoor fan motor heat.				

2-3 Electrical Specifications				RXS60F3V1B	RXS71FAV1B
Power Supply	Phase			1	
	Frequency		Hz	50	
	Voltage		V	220-240	
Current	Starting current	Cooling (A)	A	11.7	
		Heating (A)	A	11.7	
Wiring connections	For Power Supply	Quantity		3	
	For connection with indoor	Quantity		4	
		Remark		Earth wire included	

3 Electrical data

**RXS60F3
RKS60F3**

Representative unit combination		Power supply				Comp		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS60FV1B	RXS60F3V1B	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				

Minimum Ssc value	kVA	Equipment complying with EN61000-3-12
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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°C DB/19.0°C WB.
 - Outdoor temp. 35°C DB.
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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**RXS71FA
RKS71FA**

Representative unit combination		Power supply				Comp		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS71GV1B	RXS71FAV1B	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				

Minimum Ssc value	kVA	Equipment complying with EN61000-3-12
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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°C DB/19.0°C WB.
 - Outdoor temp. 35°C DB.
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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3 Electrical data

**RKS60F3
RXS60F3**

Representative unit combination		Power supply				Comp		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FCQ60C8VEB	RKS60F3V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	73	7.4	53	0.19	56	0.40
		50 - 230					7.1				
		50 - 240					6.8				
FCQ60C8VEB	RXS60F3V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	73	7.4	53	0.19	56	0.40
		50 - 230					7.1				
		50 - 240					6.8				

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°C DB/19.0°C WB.
 - Outdoor temp. 35°C DB.
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

FTXS60GV1B+RXS60F3V1B

Cooling 50Hz 220-240V

AFR	16.0
BF	0.29

Indoor		Outdoor temperature (°C DB)																	
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	5.53	3.90	1.49	5.53	3.90	1.66	5.53	3.90	1.82	5.48	3.87	1.88	5.31	3.78	1.97	5.03	3.63	2.12
16.0	22	6.42	4.16	1.54	6.14	4.01	1.68	5.86	3.87	1.83	5.75	3.81	1.89	5.59	3.73	1.98	5.31	3.59	2.12
18.0	25	6.70	4.29	1.54	6.42	4.16	1.69	6.14	4.03	1.84	6.03	3.97	1.90	5.86	3.89	1.99	5.58	3.77	2.13
19.0	27	6.84	4.47	1.55	6.56	4.34	1.70	6.28	4.21	1.84	6.17	4.16	1.90	6.00	4.09	1.99	5.72	3.96	2.14
22.0	30	7.25	4.29	1.56	6.97	4.18	1.71	6.69	4.06	1.86	6.58	4.02	1.91	6.41	3.95	2.00	6.14	3.84	2.15
24.0	32	7.53	4.16	1.57	7.25	4.06	1.72	6.97	3.95	1.86	6.86	3.91	1.92	6.69	3.85	2.01	6.41	3.75	2.16

Heating 50Hz 220-240V

AFR	17.2
-----	------

Indoor		Outdoor temperature (°C WB)									
EDB		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		4.71	1.73	5.50	1.81	6.29	1.89	7.24	1.99	7.87	2.06
20.0		4.47	1.77	5.26	1.86	6.05	1.94	7.00	2.04	7.63	2.11
22.0		4.37	1.79	5.16	1.87	5.95	1.96	6.90	2.06	7.54	2.13
24.0		4.28	1.81	5.07	1.89	5.86	1.98	6.81	2.08	7.44	2.14
25.0		4.23	1.82	5.02	1.90	5.81	1.99	6.76	2.09	7.39	2.15
27.0		4.13	1.84	4.92	1.92	5.71	2.00	6.66	2.10	7.29	2.17

SYMBOLS

AFR : Air flow rate (m³/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.
 (1) Corresponding refrigerant piping length : 5m
 (2) Level difference : 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating capacity tables

FTXS71GV1B+RXS71FAV1B

Cooling 50Hz 220-240V

AFR	17.2
BF	0.30

Indoor		Outdoor temperature (°C DB)																	
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	5.86	4.13	1.63	5.86	4.13	1.85	5.86	4.13	2.07	5.86	4.13	2.15	5.86	4.13	2.28	5.86	4.13	2.49
16.0	22	7.20	4.61	1.77	7.20	4.61	1.98	6.94	4.47	2.16	6.81	4.40	2.23	6.61	4.30	2.33	6.28	4.13	2.51
18.0	25	7.93	4.97	1.82	7.60	4.80	2.00	7.27	4.63	2.17	7.13	4.57	2.24	6.94	4.47	2.34	6.61	4.31	2.52
19.0	27	8.09	5.15	1.83	7.76	4.99	2.00	7.43	4.83	2.18	7.30	4.76	2.25	7.10	4.67	2.35	6.77	4.52	2.52
22.0	30	8.58	4.94	1.84	8.25	4.79	2.02	7.92	4.65	2.19	7.79	4.59	2.26	7.59	4.51	2.37	7.26	4.37	2.54
24.0	32	8.91	4.78	1.85	8.58	4.65	2.03	8.25	4.52	2.20	8.12	4.46	2.27	7.92	4.39	2.38	7.59	4.26	2.55

Heating 50Hz 220-240V

AFR	19.5
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Indoor		Outdoor temperature (°C WB)									
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

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.

4 Capacity tables

4 - 1 Cooling/Heating capacity tables

FCQ60C8VEB + RXS60F3V1B

Cooling 50Hz 220-240V

AFR	13.5
BF	0.21

Indoor		Outdoor temperature (°C DB)																	
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	5.84	4.01	1.26	5.57	3.86	1.38	5.31	3.72	1.50	5.20	3.66	1.55	5.04	3.58	1.62	4.78	3.44	1.74
16.0	22	6.10	3.94	1.27	5.84	3.80	1.39	5.57	3.67	1.51	5.47	3.61	1.56	5.31	3.53	1.63	5.04	3.40	1.75
18.0	25	6.36	4.07	1.27	6.10	3.94	1.39	5.83	3.81	1.52	5.73	3.76	1.56	5.57	3.69	1.64	5.30	3.56	1.76
19.0	27	6.50	4.24	1.28	6.23	4.11	1.40	5.97	3.99	1.52	5.86	3.94	1.57	5.70	3.87	1.64	5.43	3.75	1.76
22.0	30	6.89	4.07	1.29	6.62	3.95	1.41	6.36	3.85	1.53	6.25	3.80	1.58	6.09	3.74	1.65	5.83	3.63	1.77
24.0	32	7.15	3.94	1.29	6.89	3.84	1.42	6.62	3.74	1.54	6.52	3.70	1.59	6.36	3.64	1.66	6.09	3.54	1.78

Heating 50Hz 220-240V

AFR	13.5
-----	------

Indoor		Outdoor temperature (°C WB)									
EDB		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		4.71	1.68	5.50	1.76	6.29	1.85	7.24	1.95	7.87	2.01
20.0		4.47	1.73	5.26	1.81	6.05	1.89	7.00	1.99	7.63	2.06
22.0		4.37	1.75	5.16	1.83	5.95	1.91	6.90	2.01	7.54	2.07
24.0		4.28	1.76	5.07	1.85	5.86	1.93	6.81	2.03	7.12	2.09
25.0		4.23	1.77	5.02	1.85	5.81	1.94	6.76	2.03	6.90	2.10
27.0		4.13	1.79	4.92	1.87	5.71	1.95	6.45	2.05	6.45	2.11

SYMBOLS

AFR : Air flow rate (m³/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)

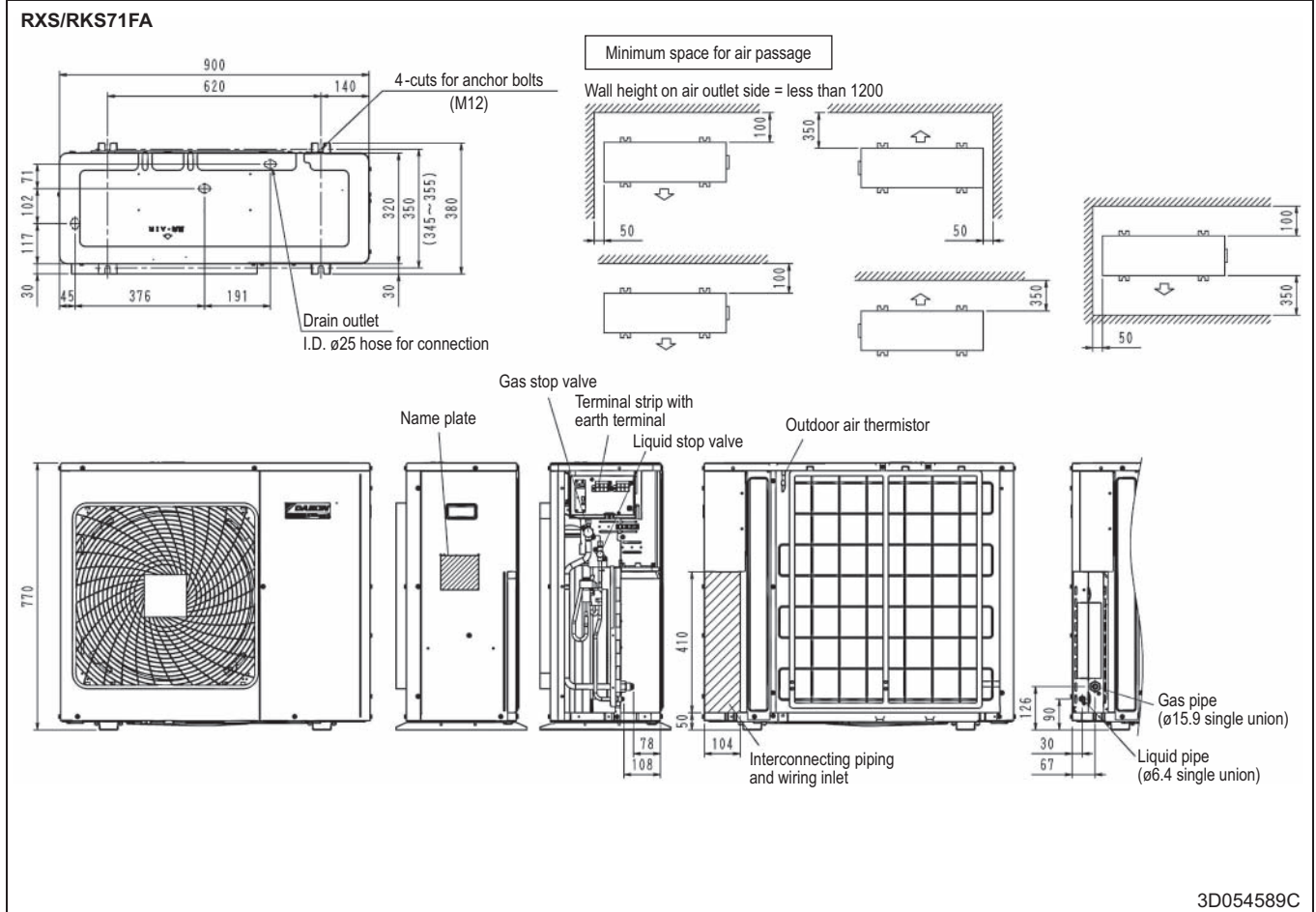
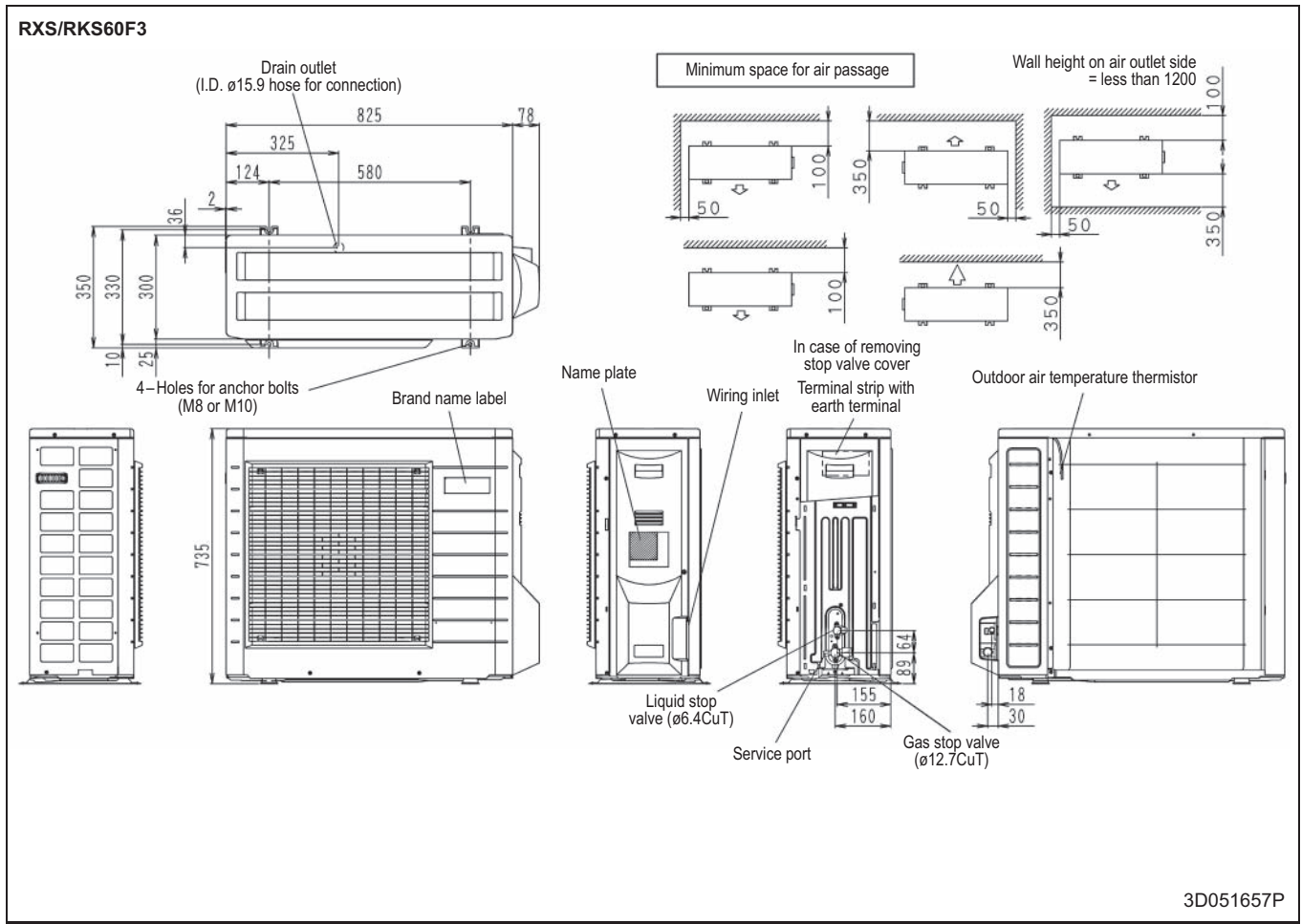
NOTES

- Capacities are based on the following conditions.
 (1) Corresponding refrigerant piping length : 5m
 (2) Level difference : 0m
- shows nominal (rated) capacities and power input.

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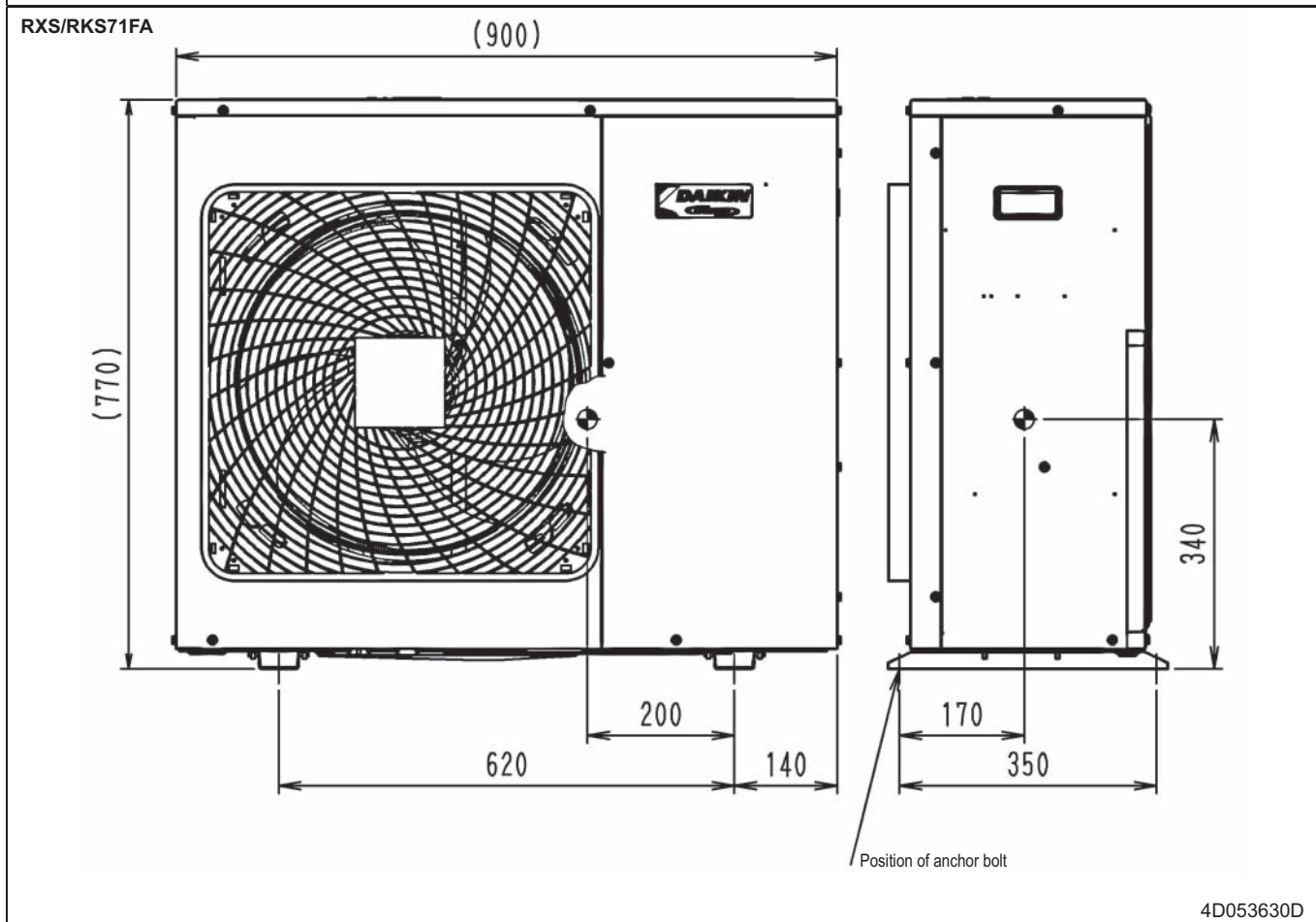
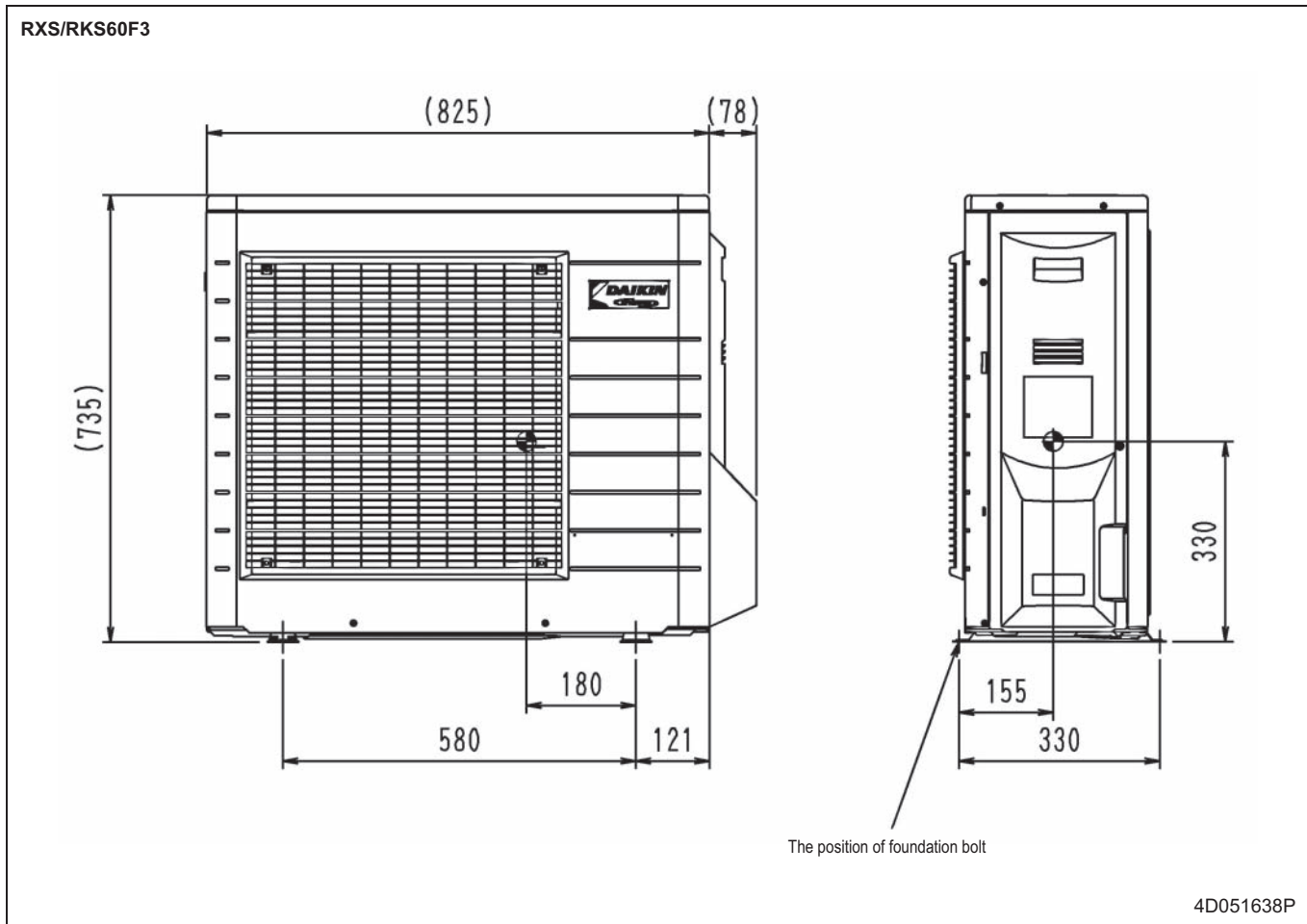
5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

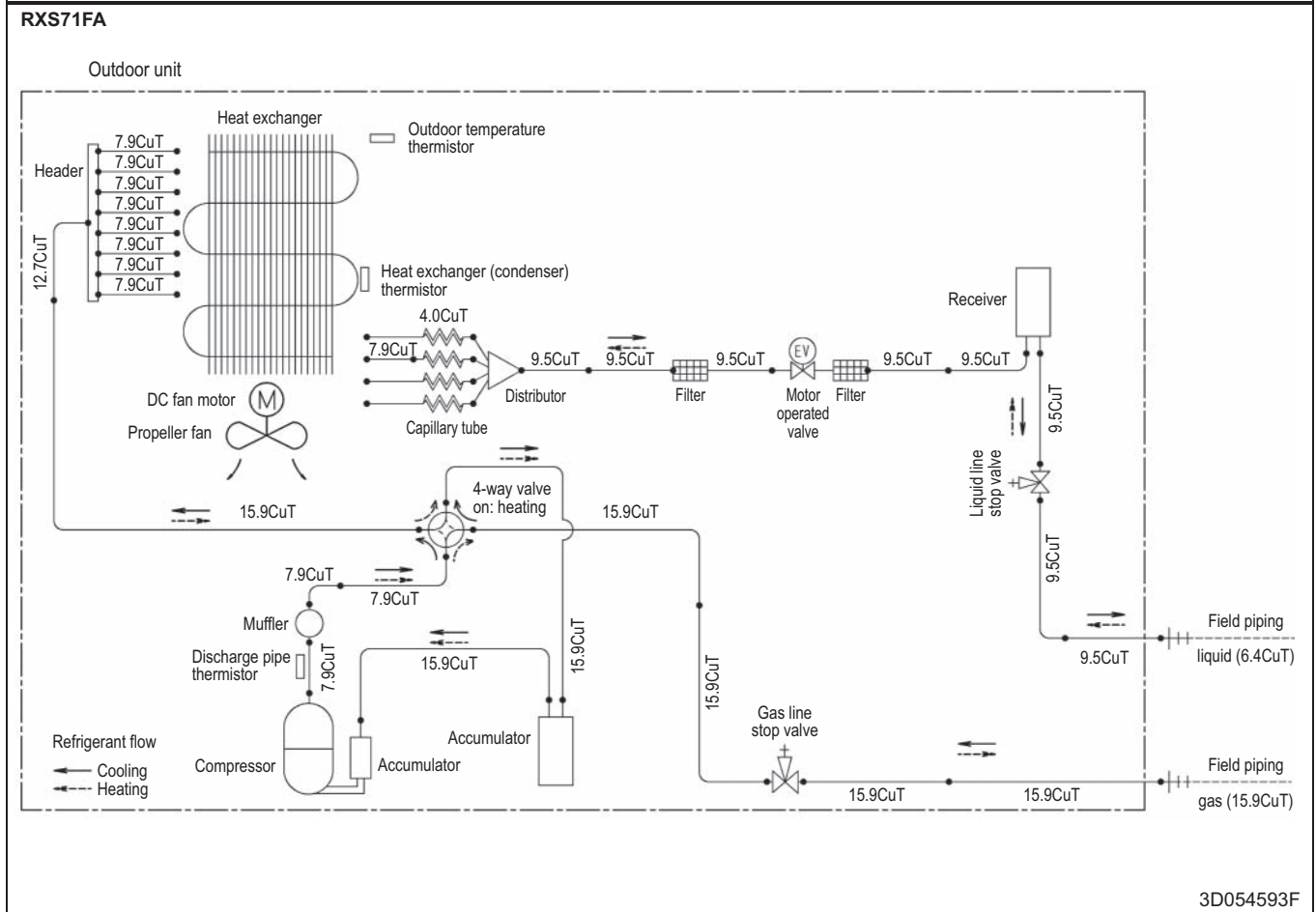
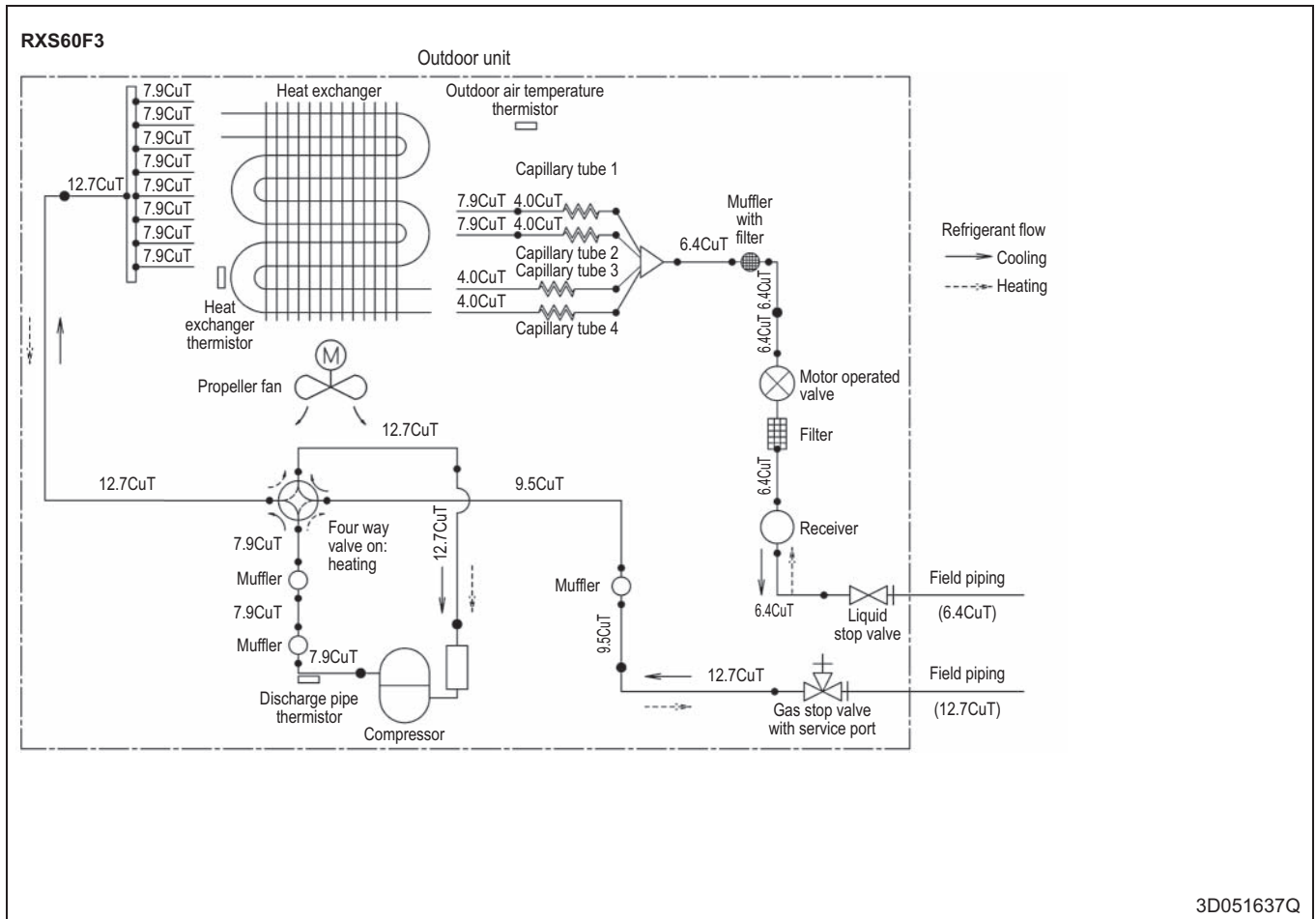


5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

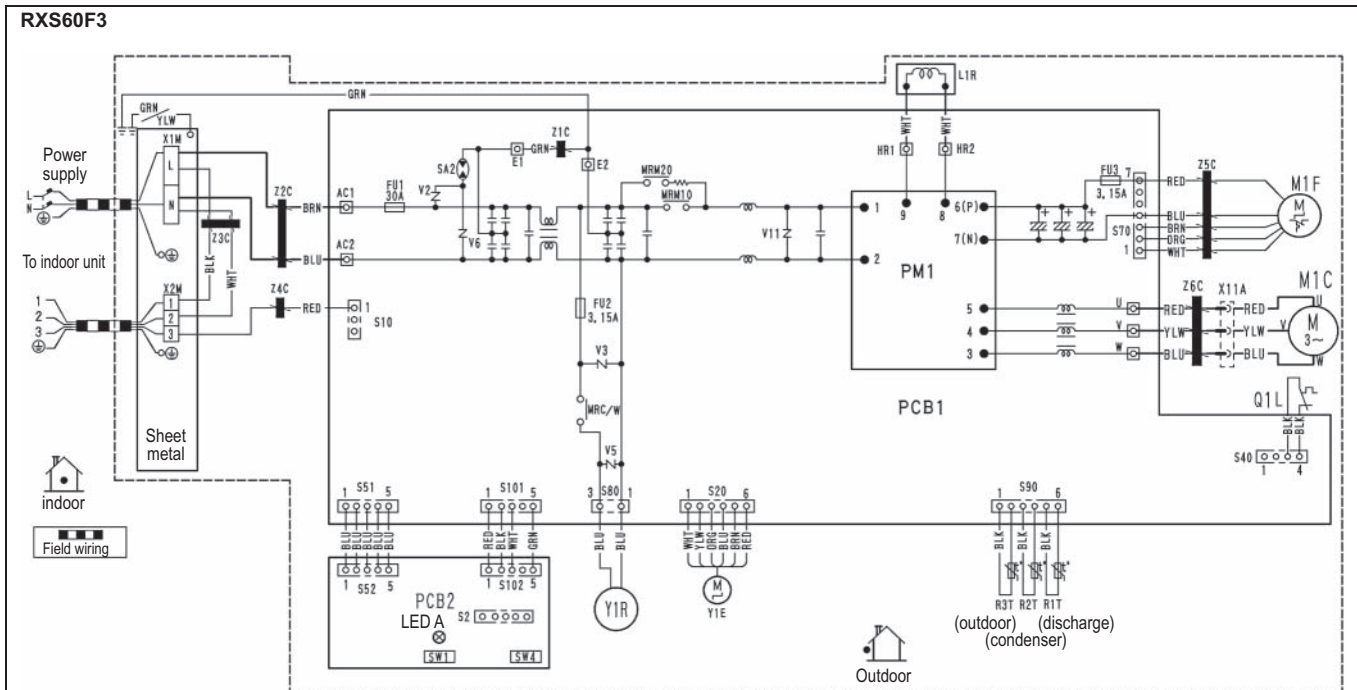


6 Piping diagram



7 Wiring diagram

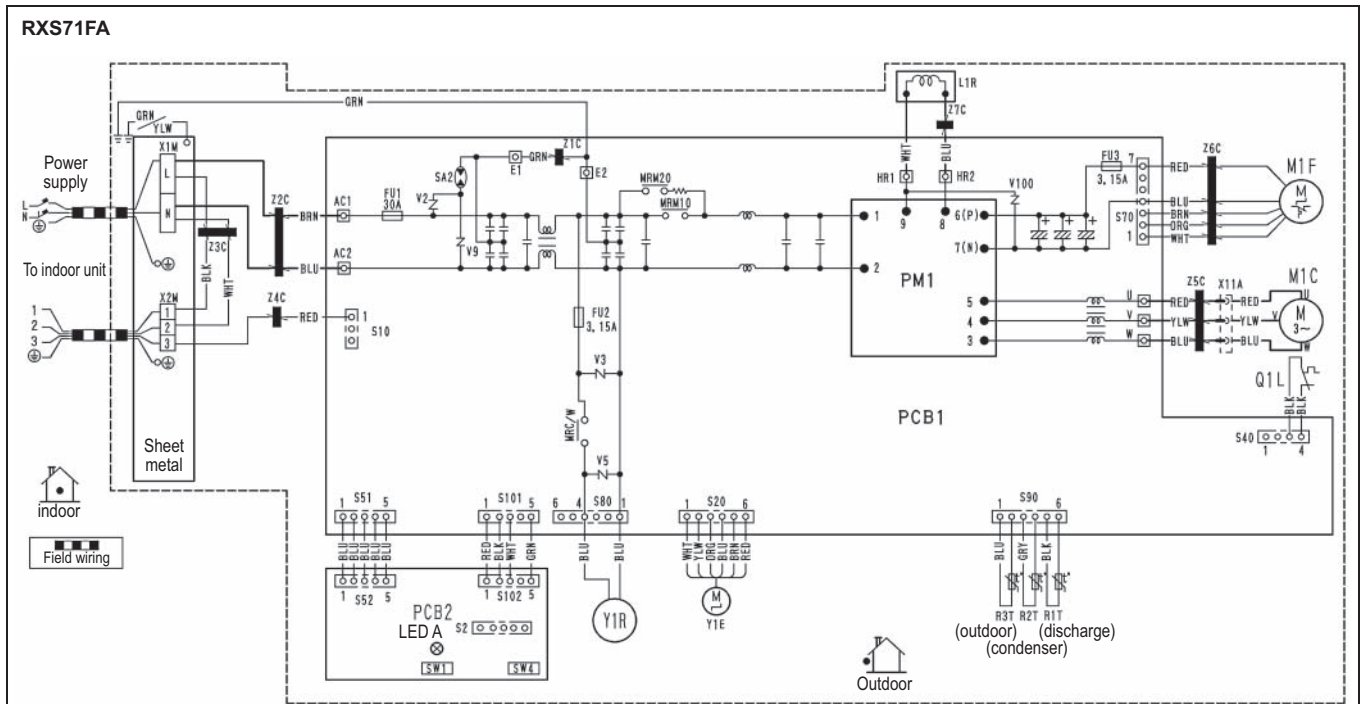
7 - 1 Wiring diagram



Z1C~Z6C	Ferrite core	LEDA	Pilot lamp
X1M, X2M	Terminal strip	L	Live
Y1E	Electronic expansion valve coil	N	Neutral
V2, V3, V5, V6, V11	Varistor	SW1	Forced operation ON/OFF SW (SW1)
SA2	Surge arrester	SW4	Local setting SW (SW4)
FU1, FU2, FU3	Fuse	M1C	Compressor motor
AC1, AC2		M1F	Fan motor
U, V, W, X11A		L1R	Reactor
E1, E2		Q1L	Overload protector
HR1, HR2	Connector	PM1	Power module
MRM10, MRM20		PCB1, 2	Printed circuit board
MRC/W	Magnetic relay	Y1R	Reversing solenoid valve coil
R1T~R3T	Thermistor	Sheet metal	Terminal strip fixed plate
S2-S102	Connector		

7 Wiring diagram

7 - 1 Wiring diagram

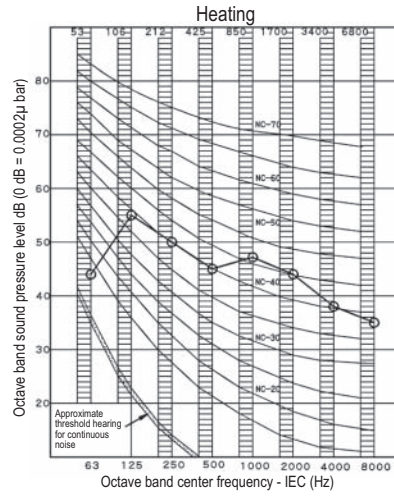
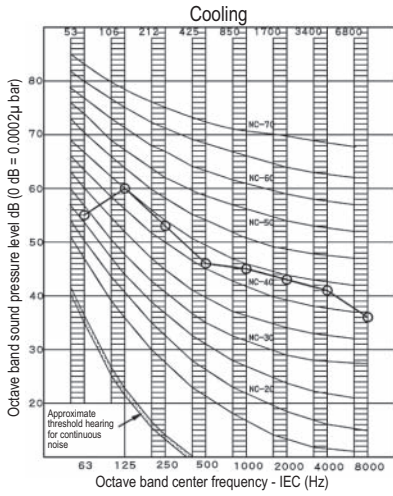


Z1C~Z7C	Ferrite core	LEDA	Pilot lamp
X1M, X2M	Terminal strip	L	Live
Y1E	Electronic expansion valve coil	N	Neutral
V2, V3, V5, V9, V100	Varistor	SW1	Forced operation ON/OFF SW (SW1)
SA2	Surge arrester	SW4	Local setting SW (SW4)
FU1, FU2, FU3	Fuse	M1C	Compressor motor
AC1, AC2		M1F	Fan motor
U, V, W, X11A, X12A		L1R	Reactor
E1, E2		Q1L	Overload protector
HR1, HR2	Connector	PM1	Power module
MRM10, MRM20		PCB1, 2	Printed circuit board
MRC/W	Magnetic relay	Y1R	Reversing solenoid valve coil
R1T-R3T	Thermistor	Sheet metal	Terminal strip fixed plate
S2-S102	Connector		

8 Sound data

8 - 1 Sound pressure spectrum

RXS60F3



NOTES

- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measured in an echoic room.
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JIS C 9612
The operation noise measuring method is in accordance with JIS C 9612

Scale	50Hz 220-240V
A	49

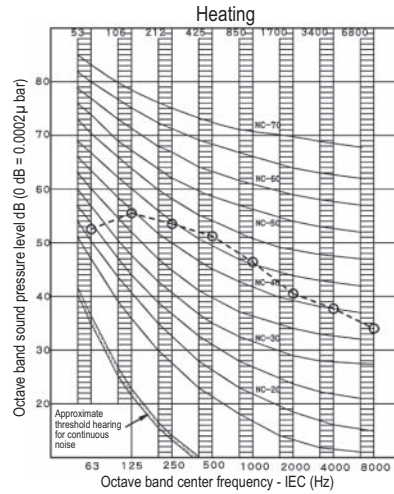
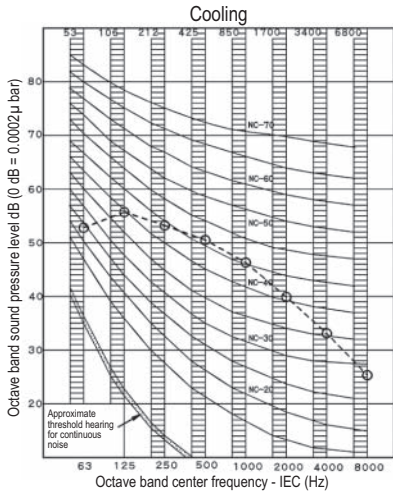
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operation noise differs with operation and ambient conditions.

Scale	50Hz 220-240V
A	49

3D051716D

RXS71FA



NOTES

- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measured in an anechoic room.
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JIS C 9612.

Scale	50Hz 220-240V
A	52

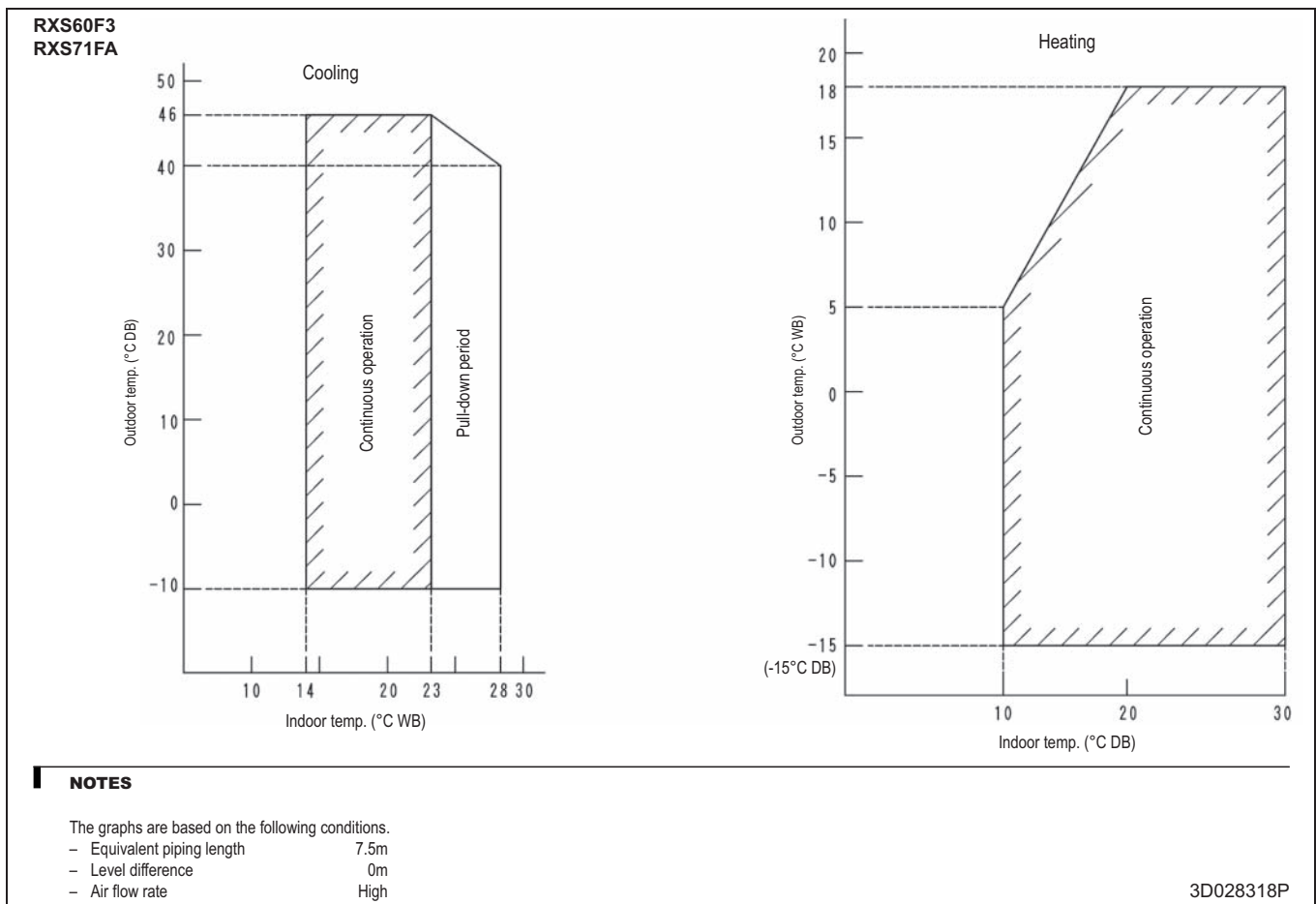
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operation noise differs with operation and ambient conditions.

Scale	50Hz 220-240V
A	52

3D055789B

9 Operation range



In all of us,
a green heart



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



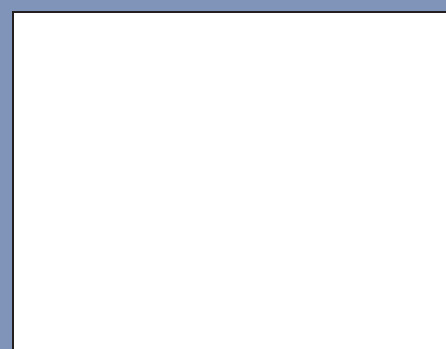
ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations that guarantee the safety of the product.

VRV® products are not within the scope of the Eurovent certification programme.

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DAIKIN EUROPE N.V.

Naamloze Vennoetschap
Zandvoordestraat 300
B-8400 Oostende, Belgium
www.daikin.eu
BE 0412 120 336
RPR Oostende