DAIKIN

Air Conditioning

Technical Data

EEDEN13-100

RXS-F

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RXS-F

1 Features

- Outdoor units for pair application
- 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.
- 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

2 Specifications

2-1 Nominal Capacity And Nominal Input				FTXS60G/RXS60F	FTXS71G/RXS71F
Cooling capacity	Min.		kW	1.7	2.3
			Btu/h	5,800	7,800
	Nom.		kW	6.0 (2)	7.1 (2)
			Btu/h	20,500 (2)	24,200 (2)
	Max.		kW	6.7	8.5
			Btu/h	22,900	29,000
Heating capacity	Min.		kW	1.7	2.3
			Btu/h	5,800	7,800
	Nom.		kW	7.0 (3)	8.2 (3)
			Btu/h	23,900 (3)	28,000 (3)
	Max.		kW	8.0	10.2
			Btu/h	27,300	34,800
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A	
		Pdesign	kW	6.00	7.10
		SEER		5.35	5.23
		Annual energy consumption	kWh	393	475
	Heating (Average climate)	Energy label		A	
		Pdesign	kW	4.80	6.50
		SCOP		3.75	3.50
		Annual energy consumption	kWh	1,790	2,593
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.02	
	COP			3.43	3.22
	Annual energy consumption		kWh	995	1,175
	Energy label	Cooling		B	
		Heating		B	C
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	12.7	15.9
	Drain	OD	mm	18.0	
	Heat insulation			Both liquid and gas pipes	

Notes

(1) EER/COP according to Eurovent 2012

(2) Cooling: indoor temp. 27ºCDB, 19.0ºCWB; outdoor temp. 35ºCDB, 24ºCWB; equivalent piping length: 5m

(3) Heating: indoor temp. 20ºCDB; outdoor temp. 7ºCDB, 6ºCWB; equivalent refrigerant piping: 5m

2-2 Nominal Capacity And Nominal Input			FDXS60F/RXS60F
Cooling capacity	Min.	kW	1.7
		Btu/h	5,800
		kcal/h	1,460
	Nom.	kW	6.0 (2)
		Btu/h	20,500 (2)
		kcal/h	5,160 (2)
	Max.	kW	6.5
		Btu/h	22,200
		kcal/h	5,590
Heating capacity	Min.	kW	1.7
		Btu/h	5,800
		kcal/h	1,460
	Nom.	kW	7.0 (3)
		Btu/h	23,900 (3)
		kcal/h	6,020 (3)
	Max.	kW	8.0
		Btu/h	27,300
		kcal/h	6,880

2 Specifications

2-2 Nominal Capacity And Nominal Input				FDXS60F/RXS60F
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A
		Pdesign	kW	6.00
		SEER		5.50
		Annual energy consumption	kWh	382
	Heating (Average climate)	Energy label		A
		Pdesign	kW	4.00
		SCOP		3.51
		Annual energy consumption	kWh	1,596
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			2.91 (1)
	COP			3.21 (1)
	Annual energy consumption		kWh	1,030
	Energy label	Cooling		A
		Heating		A
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	12.7
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	9.2
		Heating	A	10.0

Notes

(1) EER/COP according to Eurovent 2012

(2) Cooling: indoor temp. 27ºCDB, 19.0ºCWB; outdoor temp. 35ºCDB, 24ºCWB; equivalent piping length: 5m

(3) Heating: indoor temp. 20ºCDB; outdoor temp. 7ºCDB, 6ºCWB; equivalent refrigerant piping: 5m

2-3 Nominal Capacity And Nominal Input				FFQ60B9V/RXS60F
Cooling capacity	Nom.		kW	5.80 (3)
Heating capacity	Nom.		kW	7.00 (4)
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B
		Pdesign	kW	6.00
		SEER		5.04
		Annual energy consumption	kWh	417
	Heating (Average climate)	Energy label		A
		Pdesign	kW	4.80
		SCOP		3.41
		Annual energy consumption	kWh	1,969
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			2.80
	COP			2.81
	Annual energy consumption		kWh	1,035
	Energy label	Cooling		D
		Heating		D

Notes

(1) EER/COP according to Eurovent 2012

2 Specifications

2-4 Nominal Capacity And Nominal Input				FCQG60F/RXS60F
Cooling capacity	Nom.		kW	5.70
Heating capacity	Nom.		kW	7.00
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+
		Pdesign	kW	5.70
		SEER		5.74
		Annual energy consumption	kWh	347
	Heating (Average climate)	Energy label		A
		Pdesign	kW	4.71
		SCOP		3.87
		Annual energy consumption	kWh	1,704
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.48
	COP			3.52
	Annual energy consumption		kWh	820
	Energy label	Cooling		A
		Heating		B
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	12.7
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	9.6

Notes

(1) EER/COP according to Eurovent 2012

2-5 Nominal Capacity And Nominal Input				FBQ60C8/RXS60F
Cooling capacity	Nom.		kW	5.70
Heating capacity	Nom.		kW	7.00
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A
		Pdesign	kW	6.00
		SEER		5.17
		Annual energy consumption	kWh	406
	Heating (Average climate)	Energy label		A
		Pdesign	kW	4.80
		SCOP		3.43
		Annual energy consumption	kWh	1,960
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.26
	COP			3.41
	Annual energy consumption		kWh	875
	Energy label	Cooling		A
		Heating		B

Notes

(1) EER/COP according to Eurovent 2012

2 Specifications

2-6 Nominal Capacity And Nominal Input				FHQ60C/RXS60F
Cooling capacity	Nom.		kW	5.7
Heating capacity	Nom.		kW	7.2
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A
		Pdesign	kW	7.20
		SEER		5.54
		Annual energy consumption	kWh	360
	Heating (Average climate)	Energy label		A
		Pdesign	kW	5.07
		SCOP		3.50
		Annual energy consumption	kWh	2,026
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.26
	COP			3.32
	Annual energy consumption		kWh	875
	Energy label	Cooling		A
		Heating		C

Notes

(1) EER/COP according to Eurovent 2012

2-7 Technical Specifications				RXS60F	RXS71F
Capacity control	Method			Inverter controlled	
Casing	Colour			Ivory white	
Dimensions	Unit	Height	mm	735	770
		Width	mm	825	900
		Depth	mm	300	320
	Packed unit	Height	mm	797	900
		Width	mm	960	925
		Depth	mm	390	
Weight	Unit		kg	48	71
	Packed unit		kg	53	80
Heat exchanger	Length		mm	845	857
	Rows	Quantity		2	
	Fin pitch		mm	1.8	1.40
	Stages	Quantity		32	34
	Tube type			ø8 Hi-XA	ø8 Hi-XSS
	Fin	Type		Waffle louvered fin	

2 Specifications

2-7 Technical Specifications					RXS60F	RXS71F
Fan	Type				Propeller fan	
	Air flow rate	Cooling	High	m³/min	50.9	54.5
				cfm	1,797	1,924
			Nom.	m³/min	50.9	54.5
				cfm	1,797	1,924
			Low	m³/min	42.4	57.1
				cfm	1,496	1,624
			Super low	m³/min	-	
				cfm	-	
		Heating	High	m³/min	46.3	52.5
				cfm	1,635	1,854
			Low	m³/min	42.4	46.0
				cfm	1,496	1,624
			Super low	m³/min	-	
				cfm	-	
	Running current	Cooling	Low	A	8.23	9.71
			Standard	A	8.62	10.20
			High	A	9.01	10.59
		Heating	Low	A	8.41	10.44
			Standard	A	8.80	10.93
			High	A	9.19	11.42
	Power consumption	Cooling	Low	W	1,950	2,305
			Standard	W	1,950	2,305
			High	W	1,950	2,305
		Heating	Low	W	1,995	2,490
			Standard	W	1,995	2,490
			High	W	1,995	2,490
Fan motor	Model				KFD-380-50-8C	KFD-280-66-8A
	Output			W	53.00	66.00
	Speed	Cooling	High	rpm	810	860
			Low	rpm	680	730
			Super low	rpm	-	
		Heating	High	rpm	740	830
			Low	rpm	680	730
			Super low	rpm	-	
Sound power level	Cooling	Nom.		dBA	63	65
Sound pressure level	Cooling	High		dBA	49	52
		Low		dBA	46	49
	Heating	High		dBA	49	52
		Low		dBA	46	49
Compressor	Model				2YC36BXD#C	2YC36BXD#A
	Type				Hermetically sealed swing compressor	
Operation range	Cooling	Ambient	Min.	ºCDB	-10	
			Max.	ºCDB	46	
	Heating	Ambient	Min.	ºCWB	-15	
			Max.	ºCWB	20	
Refrigerant	Type				R-410A	
	Charge			kg	1.5	2.3
	GWP				1,975	
Refrigerant oil	Type				FVC50K	
	Charged volume			l	0.65	0.75
Piping connections	Drain	ID		mm	-	
	Piping length	OU - IU	Max.	m	30	
		System	Chargeless	m	10	
	Level difference	IU - OU	Max.	m	20	

2 Specifications

2-8 Electrical Specifications				RXS60F	RXS71F
Power supply	Phase			1~	
	Frequency		Hz	50	
	Voltage		V	220-240	
Current	Starting current	Cooling	A	9.4	11.7
		Heating	A	9.4	11.7
Current - 50Hz	Maximum fuse amps (MFA)		A	20	
Current - 60Hz	Maximum fuse amps (MFA)		A	-	
Wiring connections	For power supply	Quantity		3	
	For connection with indoor	Quantity		4	
		Remark		Earth wire included	

Notes

(1) 220V

(2) 230V

(3) 240V

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

3 Electrical data

3 - 1 Electrical Data

RXS-F

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS71G	RXS71F	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	57	10.3 9.9 9.4	66	0.40	43	0.19
FTXS60G	RXS60F	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	84	8.7 8.3 7.9	53	0.32	43	0.16

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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)

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

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.

RXS60F

Representative unit combination		Power supply				COMP	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FFQ60B9V	RXS60F	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	18	20	8.45	53	0.24	55	0.70

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)

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.

3 Electrical data

3 - 1 Electrical Data

RXS60F

Representative unit combination		Power supply				COMP	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FBQ60C8	RXS60F	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	7.4	53	0.19	56	0.40
		50 - 230				7.1				
		50 - 240				6.8				

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)

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.

RXS60F

Unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FCQG60F	RXS60F	50 - 220 50 - 230 50 - 240	Max. 50Hz 253V Min. 50Hz 207V	19.75	20	7.4 7.1 6.8	0.053	0.19	0.048	0.30

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SYMBOLS

MCA : Min. Circuit Amps
MFA : Max. Fuse Amps (See note 6)
RLA : Rated Load Amps
OFM : Outdoor fan motor
IFM : Indoor Fan Motor
FLA : Full Load Amps
kW : Fan Motor Rated Output

NOTES

1. RLA is based on the following conditions:
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 35°CDB
2. Voltage range
Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above the listed range limits.
3. Maximum allowable voltage variation between phases is 2%.
4. MCA/MFA
MCA = 1.25 x RLA + all FLA, MFA =< 2.25 x RLA + all FLA (next lower standard fuse rating Min. 16A)
5. Select wire size based on the larger value of MCA.
6. Instead of fuse, use circuit breaker.

3 Electrical data

3 - 1 Electrical Data

RXS60F

Representative unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FHQ60C	RXS60F	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	18	20	8.84	53	0.24	91	0.60

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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)

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.

RXS60F

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FDXS60F	RXS60F	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	87	8.9	53	0.32	60	0.5

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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.
5 Be sure to install an earth leak detector. (One that can handle higher harmonics.) (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector.)

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS60F + RXS60F

Cooling **50Hz 220-240V**

AFR	16.0
BF	0.12

4

Indoor		Outdoor temp. (°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	6.12	4.31	1.63	5.87	4.18	1.79	5.59	4.03	1.95	5.48	3.97	2.01	5.31	3.89	2.11	5.03	3.74	2.26
16.0	22	6.42	4.25	1.64	6.14	4.11	1.80	5.86	3.97	1.96	5.75	3.92	2.02	5.59	3.84	2.12	5.31	3.70	2.27
18.0	25	6.70	4.41	1.65	6.42	4.28	1.81	6.14	4.15	1.97	6.03	4.10	2.03	5.86	4.02	2.13	5.58	3.90	2.28
19.0	27	6.84	4.61	1.66	6.56	4.49	1.82	6.28	4.36	1.97	6.17	4.31	2.04	6.00	4.24	2.13	5.72	4.12	2.29
22.0	30	7.25	4.43	1.67	6.97	4.32	1.83	6.69	4.21	1.99	6.58	4.17	2.05	6.41	4.10	2.14	6.14	4.00	2.30
24.0	32	7.53	4.30	1.68	7.25	4.20	1.84	6.97	4.10	2.00	6.86	4.06	2.06	6.69	4.00	2.15	6.41	3.91	2.31

Heating **50Hz 220-240V**

AFR	16.0

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	4.71	1.96	5.50	2.06	6.29	2.15	7.24	2.27	7.87	2.34
20.0	4.47	2.01	5.26	2.11	6.05	2.21	7.00	2.32	7.63	2.40
22.0	4.37	2.04	5.16	2.13	5.95	2.23	6.90	2.34	7.54	2.42
24.0	4.28	2.06	5.07	2.15	5.86	2.25	6.81	2.36	7.44	2.44
25.0	4.23	2.07	5.02	2.16	5.81	2.26	6.76	2.37	7.39	2.45
27.0	4.13	2.09	4.92	2.18	5.71	2.28	6.66	2.39	7.29	2.47

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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

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ shows nominal (rated) capacities and power input.
3. 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.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBQ60C8+RXS60F

Cooling **50Hz 220 - 240V**

AFR	18
BF	0.15

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	5.84	4.42	1.34	5.57	4.29	1.47	5.31	4.16	1.60	5.20	4.11	1.65	5.04	4.03	1.73	4.78	3.90	1.86
16.0	22	6.10	4.34	1.35	5.84	4.22	1.48	5.57	4.10	1.61	5.47	4.05	1.66	5.31	3.98	1.74	5.04	3.86	1.87
18.0	25	6.36	4.56	1.36	6.10	4.45	1.49	5.83	4.33	1.62	5.73	4.29	1.67	5.57	4.22	1.74	5.30	4.11	1.87
19.0	27	6.50	4.82	1.36	6.23	4.71	1.49	5.97	4.60	1.62	5.86	4.56	1.67	5.70	4.50	1.75	5.43	4.39	1.88
22.0	30	6.89	4.66	1.37	6.62	4.56	1.50	6.36	4.46	1.63	6.25	4.42	1.68	6.09	4.37	1.76	5.83	4.27	1.89
24.0	32	7.15	4.54	1.38	6.89	4.45	1.51	6.62	4.36	1.64	6.52	4.33	1.69	6.36	4.27	1.77	6.09	4.19	1.90

Heating **50Hz 220 - 240V**

AFR	18

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	4.71	1.74	5.50	1.82	6.29	1.91	7.24	2.01	7.87	2.07
20.0	4.47	1.78	5.26	1.87	6.05	1.95	7.00	2.05	7.63	2.12
22.0	4.37	1.80	5.16	1.89	5.95	1.97	6.90	2.07	7.54	2.14
24.0	4.28	1.82	5.07	1.90	5.86	1.99	6.81	2.09	7.44	2.16
25.0	4.23	1.83	5.02	1.91	5.81	2.00	6.76	2.10	7.39	2.17
27.0	4.13	1.85	4.92	1.93	5.71	2.02	6.66	2.12	7.29	2.19

3TW31292-3B

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG60F + RXS60F

Cooling **220-240V 50Hz**

AFR	13.6
BF	0.20

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	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 **220-240V 50Hz**

AFR	13.6

Indoor	outdoor temperature (°CWB)									
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

3D077501A

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ60B9V + RXS60F

Cooling **50Hz 230V**

AFR	15.0
BF	0.11

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	5.86	4.30	1.72	5.71	4.23	1.82	5.56	4.16	1.91	5.50	4.13	1.95	5.41	4.09	2.01	5.26	4.02	2.10
16.0	22	6.02	4.34	1.75	5.87	4.27	1.84	5.72	4.20	1.94	5.66	4.17	1.97	5.57	4.13	2.03	5.42	4.06	2.13
18.0	25	6.17	4.37	1.77	6.02	4.30	1.87	5.87	4.23	1.96	5.81	4.20	2.00	5.72	4.16	2.06	5.57	4.09	2.15
19.0	27	6.25	4.39	1.79	6.10	4.32	1.88	5.95	4.25	1.98	5.89	4.22	2.01	5.80	4.18	2.07	5.65	4.11	2.17
22.0	30	6.48	4.44	1.82	6.33	4.37	1.92	6.18	4.30	2.01	6.12	4.27	2.05	6.03	4.23	2.11	5.88	4.16	2.20
24.0	32	6.64	4.47	1.85	6.49	4.40	1.95	6.34	4.33	2.04	6.28	4.30	2.08	6.19	4.26	2.14	6.04	4.19	2.23

Heating **50Hz 230V**

AFR	15.0

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.51	1.79	4.36	1.91	5.21	2.04	6.05	2.16	7.07	2.31	7.75	2.41
18.0	3.48	1.88	4.32	2.00	5.17	2.13	6.02	2.25	7.04	2.40	7.71	2.50
20.0	3.44	1.97	4.29	2.09	5.14	2.22	5.98	2.34	7.00	2.49	7.68	2.59
21.0	3.43	2.01	4.27	2.14	5.12	2.26	5.97	2.39	6.98	2.53	7.66	2.63
22.0	3.41	2.06	4.25	2.18	5.10	2.31	5.95	2.43	6.97	2.58	7.64	2.68
24.0	3.37	2.15	4.22	2.27	5.07	2.40	5.91	2.52	6.93	2.67	7.61	2.77

3D041028

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

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. [ ] shows nominal (rated) capacities and power input.
3. 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.)
4. SHC is based on each EWB and EDB.
   SHC* = SHC correction for other dry bulb.
   = 0.02*AFR(m^3/min.)*(1-BF)*(DB*-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ60C + RXS60F

Cooling **220-240V 50Hz**

AFR	19.5
BF	0.2

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	5.84	4.25	1.34	5.57	4.12	1.47	5.31	3.98	1.60	5.20	3.93	1.65	5.04	3.85	1.73	4.78	3.72	1.86
16.0	22	6.10	4.18	1.35	5.84	4.05	1.48	5.57	3.93	1.61	5.47	3.88	1.66	5.31	3.80	1.74	5.04	3.68	1.86
18.0	25	6.36	4.36	1.36	6.10	4.25	1.49	5.83	4.13	1.62	5.73	4.08	1.67	5.57	4.01	1.75	5.30	3.90	1.87
19.0	27	6.50	4.59	1.36	6.23	4.48	1.49	5.97	4.36	1.62	5.86	4.32	1.67	5.70	4.25	1.75	5.43	4.14	1.88
22.0	30	6.89	4.42	1.38	6.62	4.32	1.51	6.36	4.22	1.64	6.25	4.18	1.68	6.09	4.12	1.76	5.83	4.03	1.89
24.0	32	7.15	4.30	1.38	6.89	4.21	1.51	6.62	4.12	1.64	6.52	4.08	1.69	6.36	4.03	1.77	6.09	3.94	1.90

Heating **220-240V 50Hz**

AFR	19.5

Indoor	Outdoor temperature (°CDB)											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	4.03	1.74	4.85	1.84	5.66	1.93	6.47	2.01	7.45	2.12	8.10	2.20
20.0	3.79	1.80	4.60	1.88	5.41	1.97	6.22	2.07	7.20	2.17	7.85	2.24
22.0	3.69	1.81	4.50	1.90	5.31	2.00	6.12	2.08	7.10	2.19	7.75	2.26
24.0	3.59	1.83	4.40	1.93	5.21	2.01	6.03	2.10	7.00	2.20	7.51	2.28
25.0	3.54	1.85	4.35	1.93	5.16	2.02	5.98	2.11	6.95	2.22	7.28	2.29
27.0	3.44	1.86	4.25	1.95	5.06	2.04	5.88	2.14	6.81	2.24	6.81	2.31

3D080356

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS60G + RXS60F

Cooling **50Hz 220-240V**

AFR	16.0
BF	0.29

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	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 (°CWB)									
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

3D066318B

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

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ shows nominal (rated) capacities and power input.
3. 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.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5m
   (2) Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS71G + RXS71F

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

3D066316B

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)

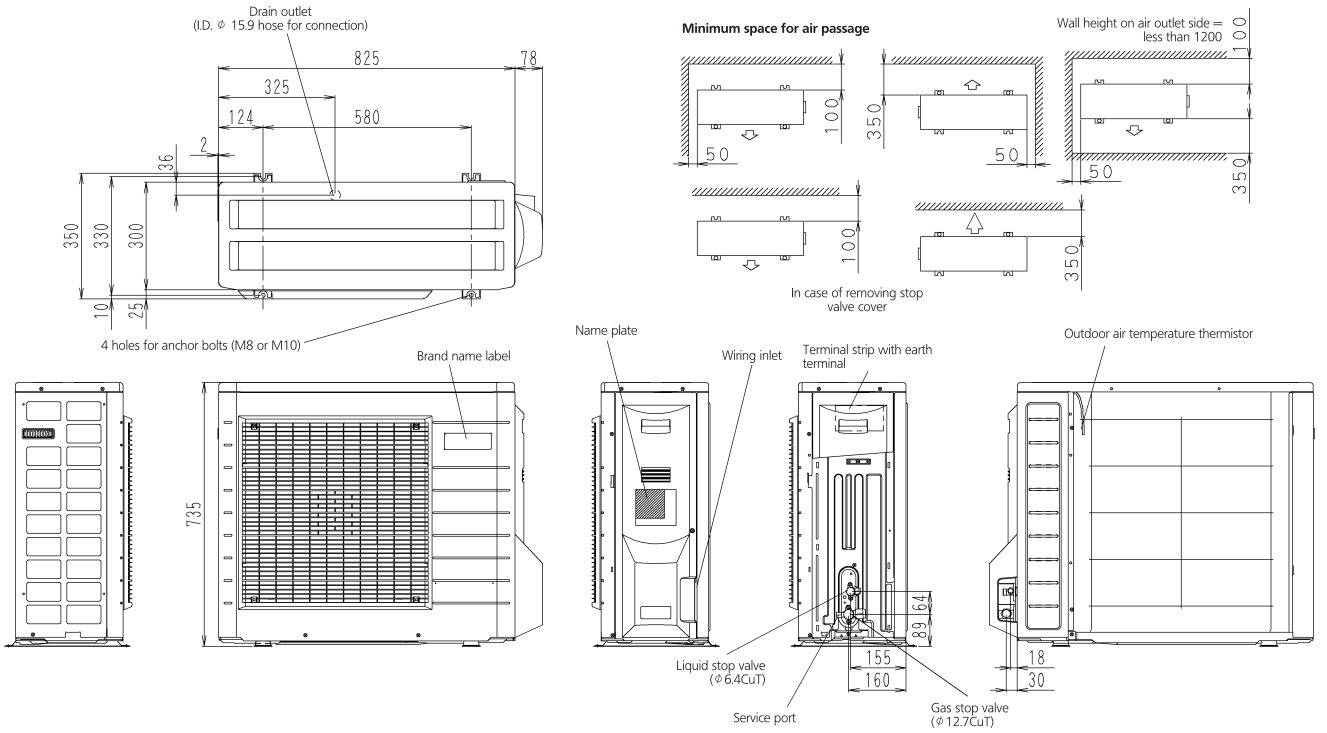
NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ shows nominal (rated) capacities and power input.
3. 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.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5m
   (2) Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

5 Dimensional drawings

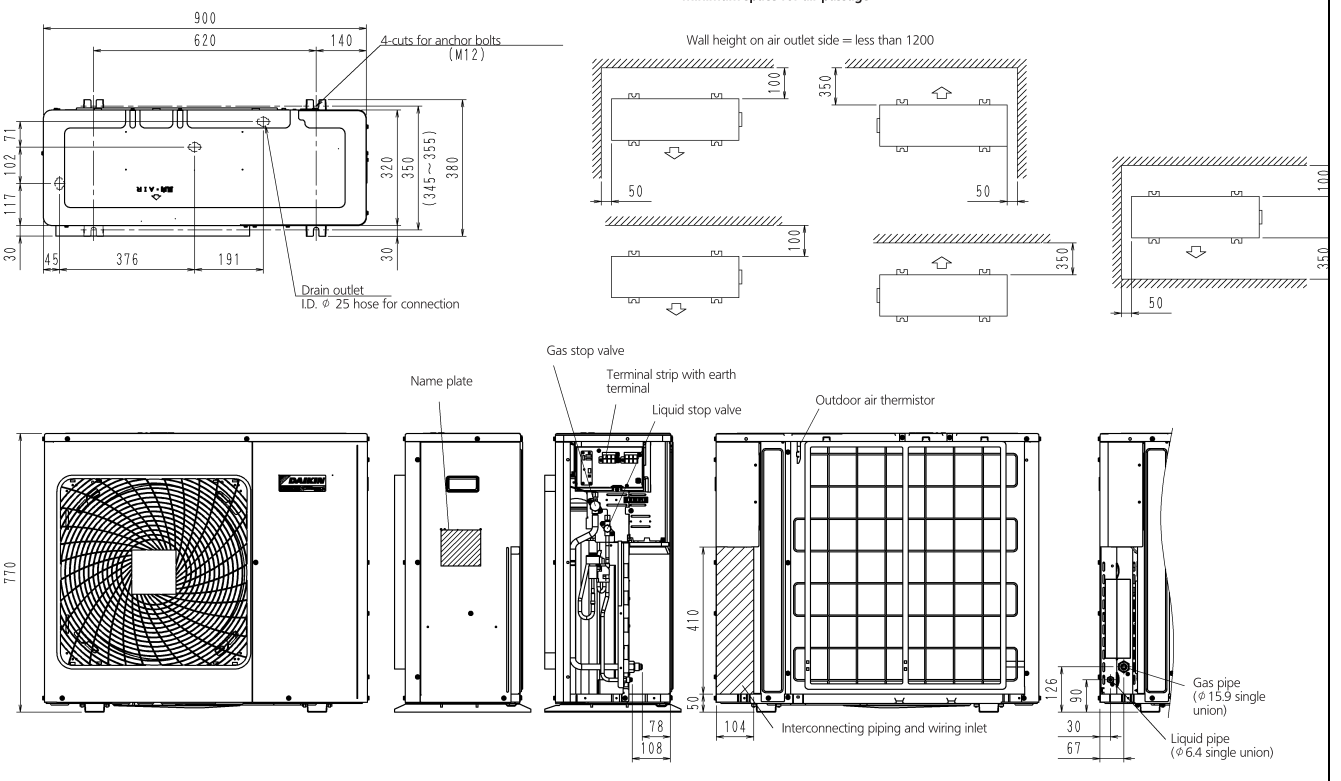
5 - 1 Dimensional Drawings

RXS60F



3D051657S

RXS71F

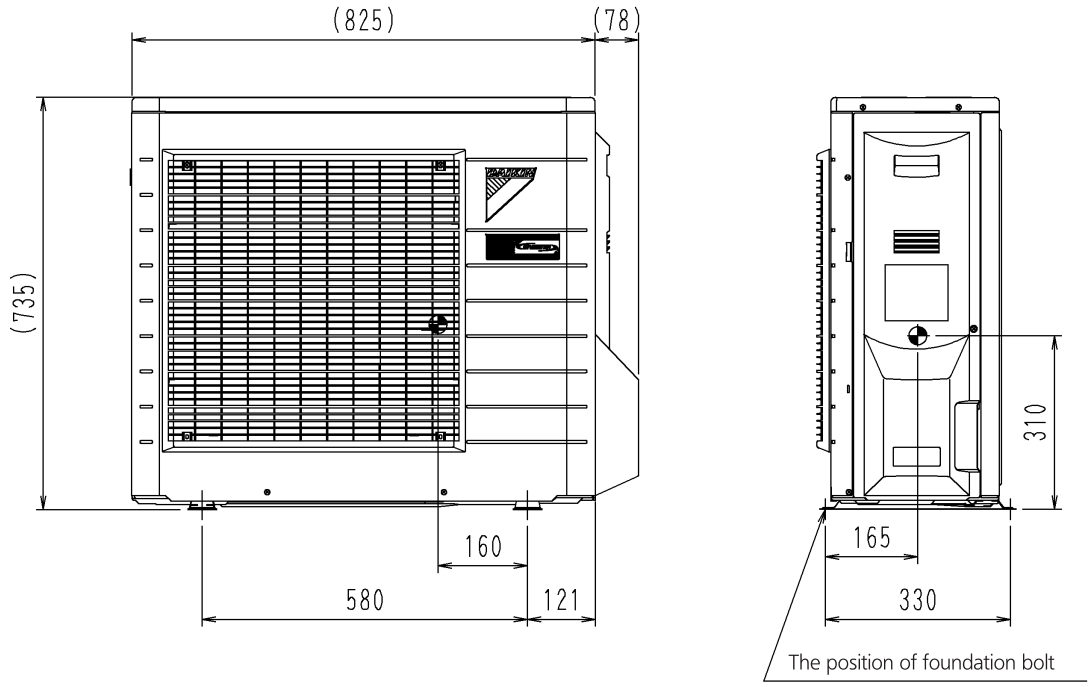


3D054589D

6 Centre of gravity

6 - 1 Centre of Gravity

RXS60F



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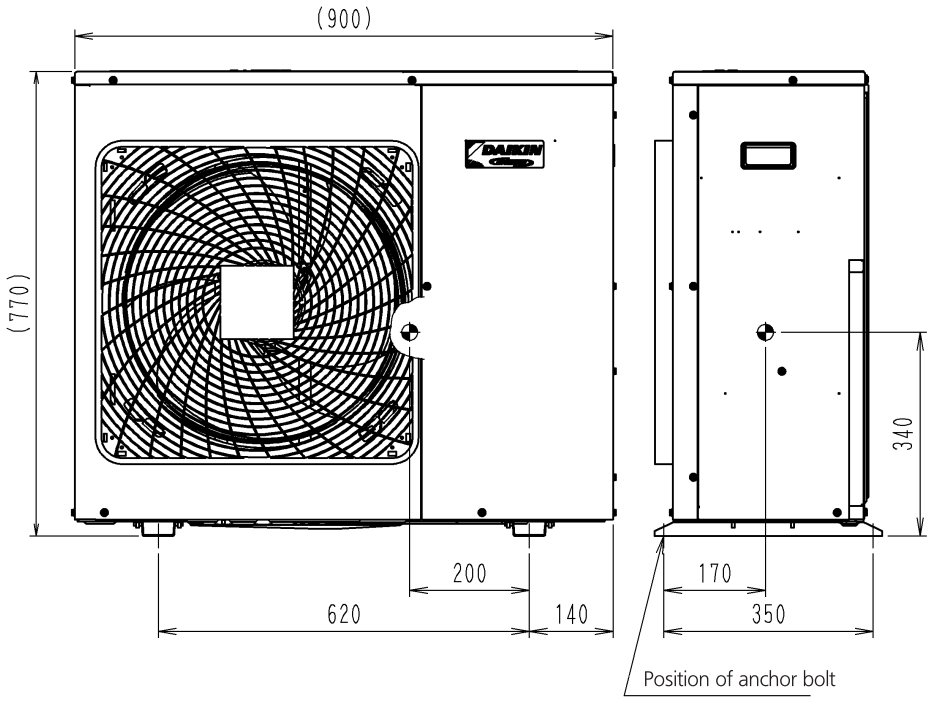
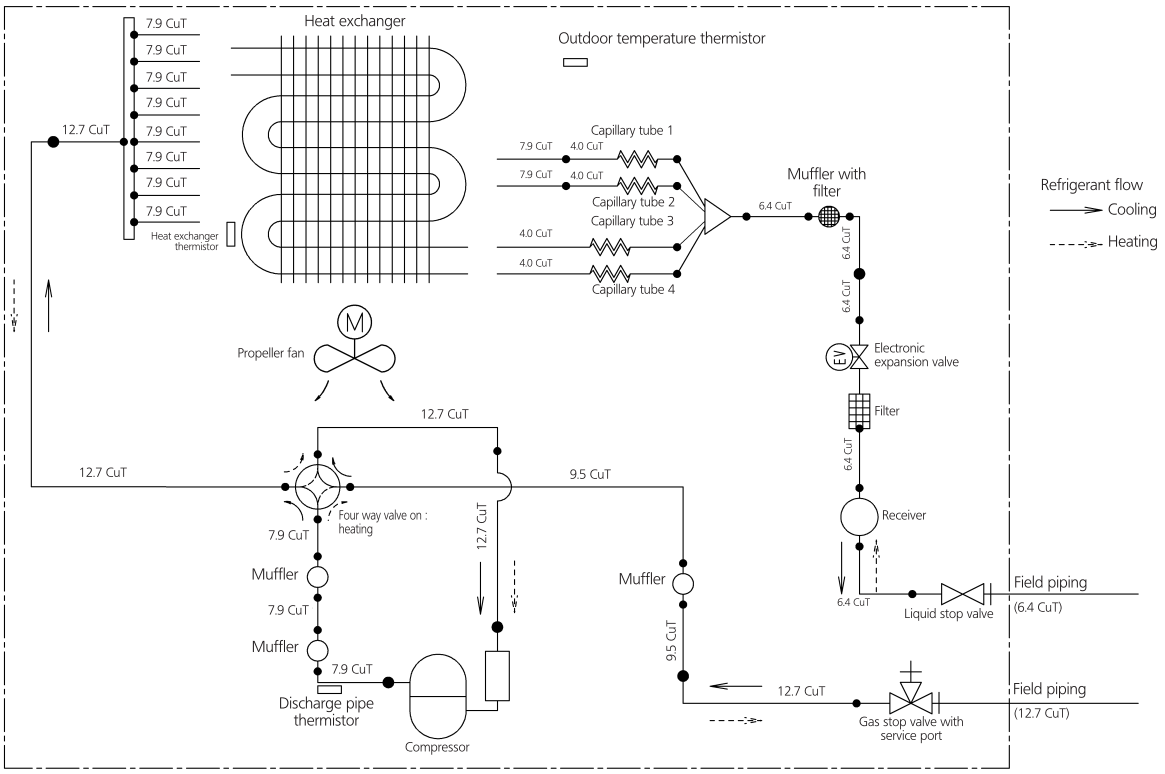


4D053630E

7 Piping diagrams

7 - 1 Piping Diagrams

RXS60F



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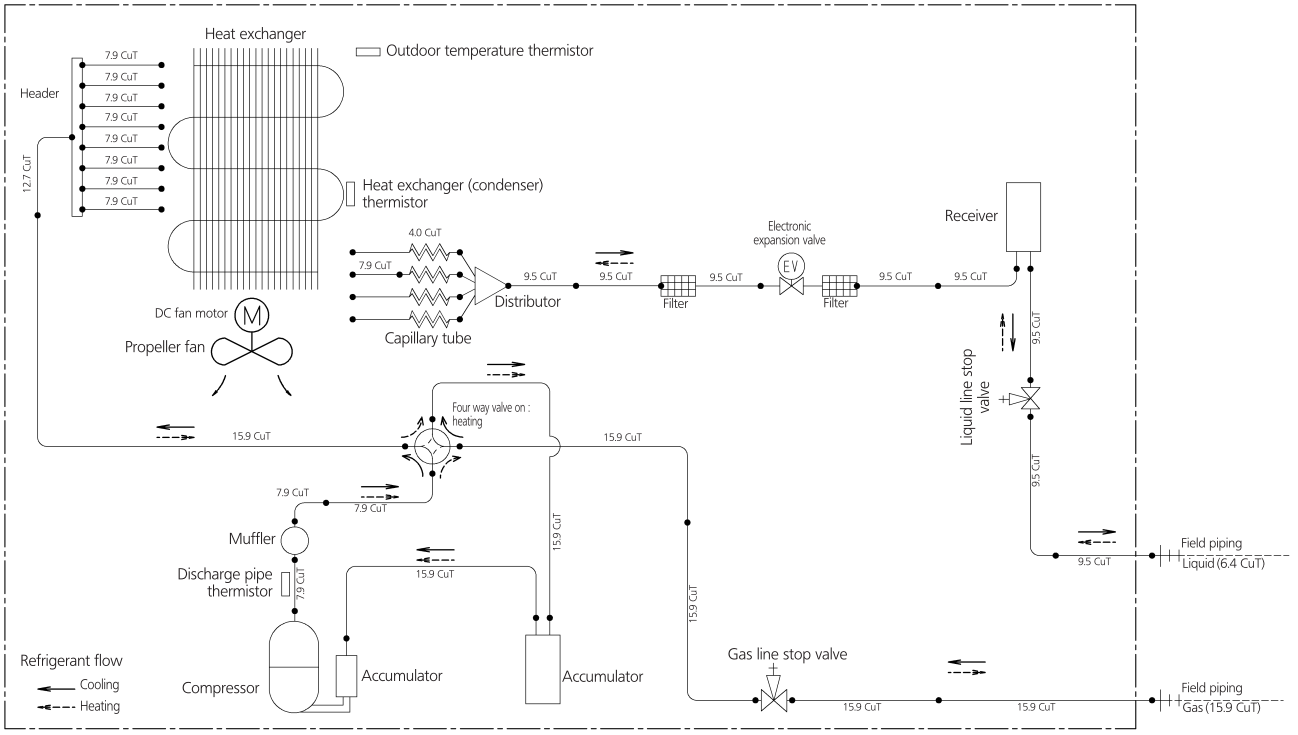
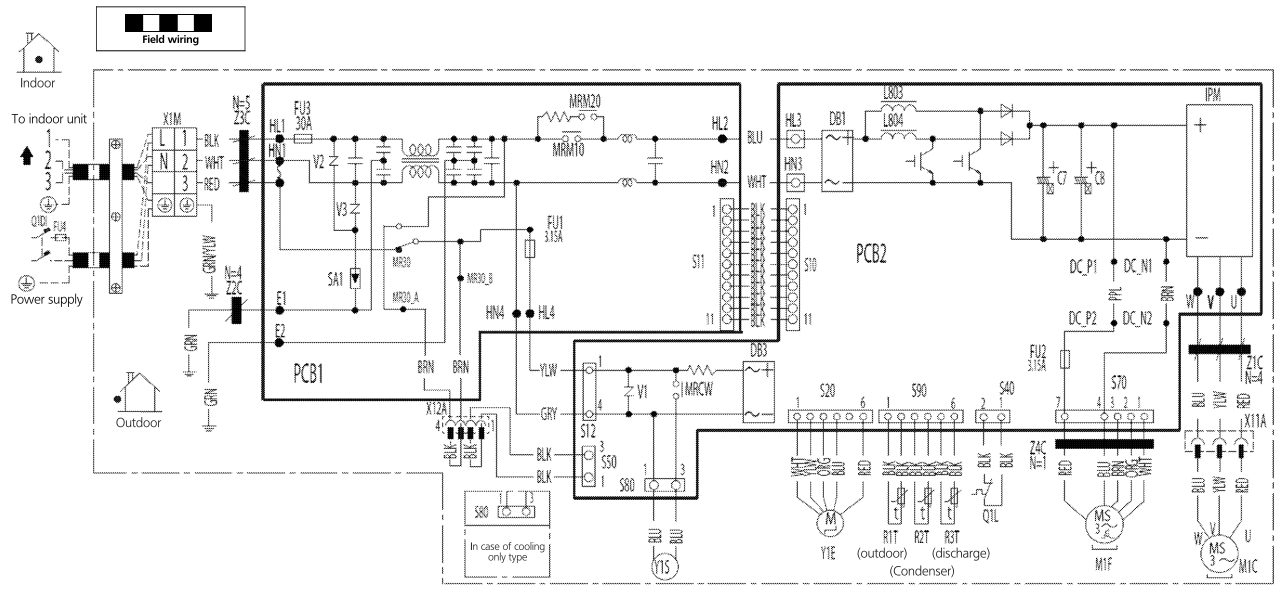


3D054593L

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS60F

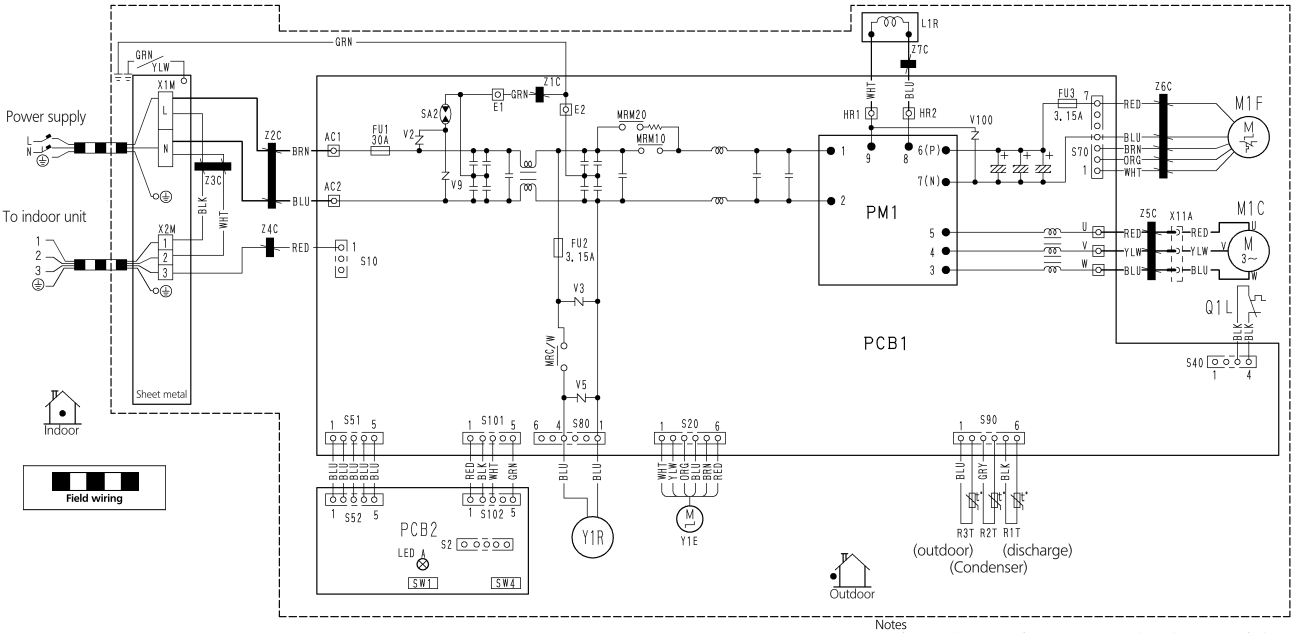


Notes
1. Refer to purchasing specification AS303002, unless otherwise specified.
2. Size: length 140 x width 230.
3. Refer to the nameplate for the power requirements.

C7,C8	: Capacitor	N	: Neutral	V1,V2,V3	: Varistor
DB1,DB3	: Diode bridge	Q1L	: Overload protector	X1M	: Terminal strip
FU1,FU2,FU3	: Fuse	Q1DI	: Earth leak detector	Y1E	: Electronic expansion valve coil
FU4	: Field fuse	PCB1,PCB2	: Printed circuit board	Y1S	: Reversing solenoid valve coil
IPM	: Intelligent power module	S10,S11,S12,S20		Z1C,Z2C,Z3C,Z4C	: Ferrite core
L	: Live	S40,S50,S70,S80,S90			: Protective earth
L803,L804	: Reactor	HL3,HN3,X11A,X12A	: Connector		: Earth
M1C	: Compressor motor	R1T,R2T,R3T	: Thermistor		
M1F	: Fan motor	SA1	: Surge absorber		
MRCW,MRM10, MRM20,MR30					
MR30_A,MR30_B	: Magnetic relay				

3D079016

RXS71F



Notes
1. Refer to purchasing specification AS303002, unless otherwise specified.
2. This drawing was drawn on CAD system.
3. After printing, attach the coating film on the printed side.

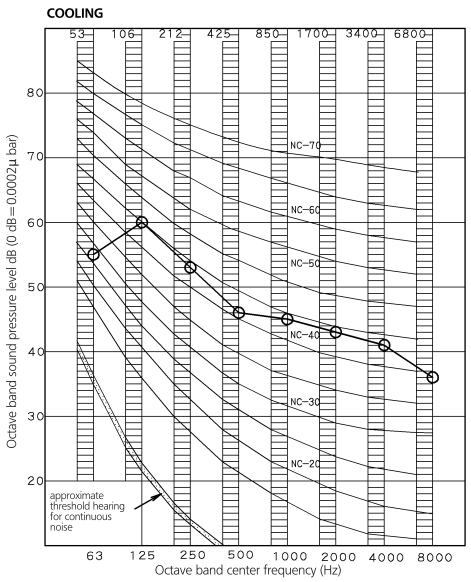
Z1C~Z7C	: Ferrite core			M1C	: Compressor motor
X1M,X2M	: Terminal strip			M1F	: Fan motor
Y1E	: Electronic expansion valve coil			L1R	: Reactor
V2,V3,V5,V9,V100	: Varistor			Q1L	: Overload protector
SA2	: Surge arrester			PM1	: Power module
FU1,FU2,FU3	: Fuse	R1T~R3T	: Thermistor	PCB1, 2	: Printed circuit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

3D053931L

9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

RXS60F



NOTES

1 Overall (dB)

Scale	50Hz 220~240V (H)
A	49

(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

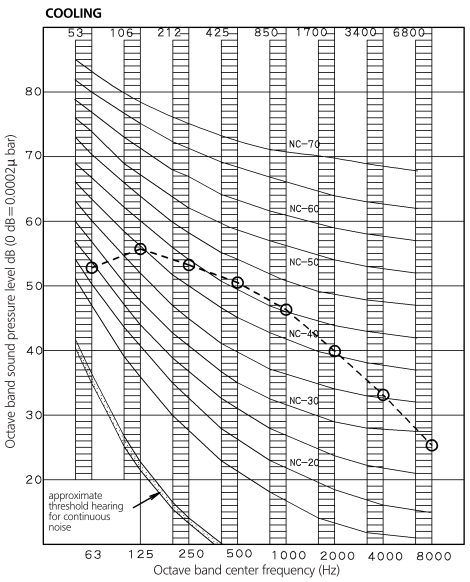
3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220~240V 50Hz
○—○
Cooling

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D051716F

RXS71F



NOTES

1 Overall (dB)

Scale	50Hz 220~240V (H)
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
○—○
Cooling

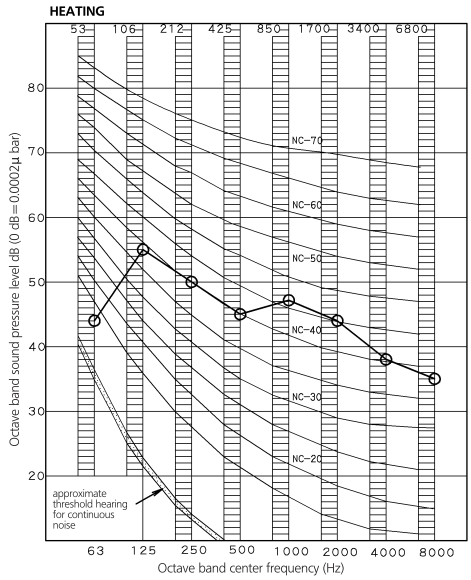
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D055789C

9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

RXS60F



NOTES

1 Overall (dB)

Scale	50Hz 220~240V (H)
A	49

(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

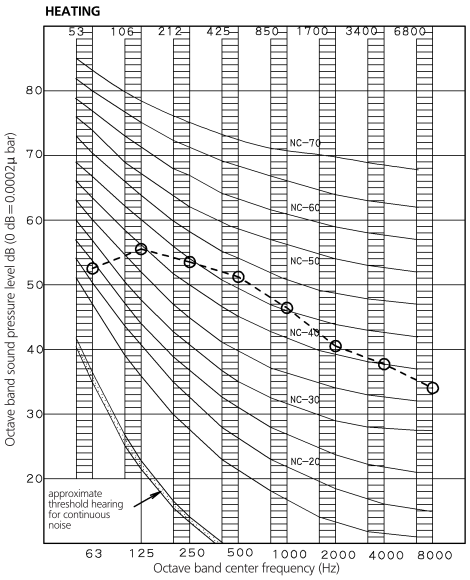
3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220~240V 50Hz
O—O
Heating

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D051716F

RXS71F



NOTES

1 Overall (dB)

Scale	50Hz 220~240V (H)
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
O—O
Heating

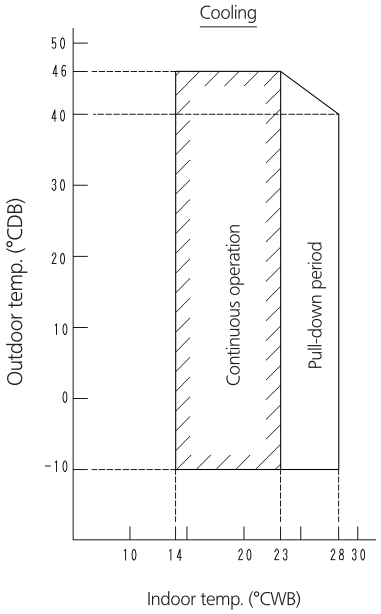
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

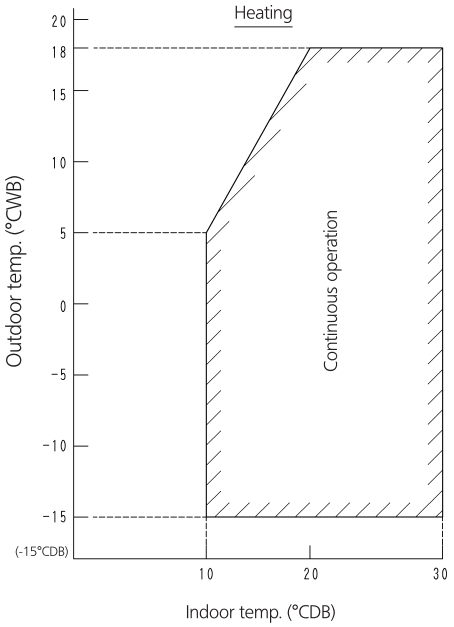
3D055789C

10 Operation range

10 - 1 Operation Range

RXS-F





Notes:
The graphs are based on the following conditions:
- Equivalent piping length 5.0 m
- Level difference 0 m
- Air flow rate high

3D028318T

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.

These products are not within the scope of the Eurovent certification program

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