DAIKIN

Air Conditioning

Technical Data

EEDEN13-100

RXS-K

TABLE OF CONTENTS

RXS-K

1 Features

- 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
- Anti-corrosion treated outdoor heat exchanger fin

Inverter

Energy saving during standby mode

Powerful mode

Auto cooling-heating changeover

Outdoor unit silent operation

2 Specifications

2-1 Nominal Capacity And Nominal Input				FTXS20K/RXS20K	FTXS25K/RXS25K	FTXS35K/RXS35K	FTXS42K/RXS42K	FTXS50K/RXS50K
Cooling capacity	Min.		kW	1.3		1.4	1.7	
			Btu/h	4,400		4,800	5,800	
			kcal/h	-		1,200	1,460	
	Nom.		kW	2.0 (2)	2.5 (2)	3.50 (2)	4.20 (2)	5.00 (2)
			Btu/h	6,800 (2)	8,500 (2)	11,900 (2)	14,300 (2)	17,100 (2)
			kcal/h	-		3,010 (2)	3,610 (2)	4,300 (2)
	Max.		kW	2.8	3.2	4.0	5.0	5.3
			Btu/h	9,600	10,900	13,600	17,100	18,100
			kcal/h	-		3,440	4,300	4,560
Heating capacity	Min.		kW	1.3		1.4	1.7	
			Btu/h	4,400		4,800	5,800	
			kcal/h	-		1,200	1,460	
	Nom.		kW	2.5 (3)	2.8 (3)	4.00 (3)	5.40 (3)	5.8 (3)
			Btu/h	8,500 (3)	9,600 (3)	13,600 (3)	18,400 (3)	19,800 (3)
			kcal/h	-		3,440 (3)	4,640 (3)	4,990 (3)
	Max.		kW	4.3	4.7	5.2	6.0	6.5
			Btu/h	14,700	16,000	17,700	20,500	22,200
			kcal/h	-		4,470	5,160	5,590
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	A++			
		Pdesign	kW	2.00	2.50	3.50	4.20	5.00
		SEER		5.71	6.37	6.97	6.60	
		Annual energy consumption	kWh	123	137	176	223	265
	Heating (Average climate)	Energy label		A++			A+	
		Pdesign	kW	2.30	2.50	3.60	4.00	4.60
		SCOP		4.75	4.63	4.71	4.09	4.10
		Annual energy consumption	kWh	678	756	1,071	1,371	1,571
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			4.65	4.39	4.17	3.56	3.55
	COP			4.55	4.52	4.76	4.12	4.00
	Annual energy consumption		kWh	215	285	420	590	705
	Energy label	Cooling		A				
		Heating		A				
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.5				12.7
	Drain	OD	mm	18.0				
	Heat insulation			Both liquid and gas pipes				
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.4 (4) / 2.3 (5) / 2.2 (6)	3.2 (4) / 3.1 (5) / 3.0 (6)	4.3 (4) / 4.1 (5) / 3.9 (6)	6.0 (4) / 5.7 (5) / 5.5 (6)	6.6 (4) / 6.3 (5) / 6.0 (6)
		Heating	A	2.8 (4) / 2.7 (5) / 2.6 (6)	3.3 (4) / 3.2 (5) / 3.1 (6)	4.3 (4) / 4.1 (5) / 3.9 (6)	6.6 (4) / 6.3 (5) / 6.0 (6)	6.8 (4) / 6.5 (5) / 6.2 (6)

Notes

(1) EER/COP according to Eurovent 2012

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

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

(4) 220V

(5) 230V

(6) 240V

2 Specifications

2-2 Nominal Capacity And Nominal Input				FVXS25F/RXS25K	FVXS35F/RXS35K	FVXS50F/RXS50K
Cooling capacity	Min.		kW	1.3	1.4	
			Btu/h	4,400	4,800	
			kcal/h	1,120	1,200	
	Nom.		kW	2.5 (2)	3.5 (2)	5.0 (2)
			Btu/h	8,500 (2)	11,900 (2)	17,100 (2)
			kcal/h	2,150 (2)	3,010 (2)	4,300 (2)
	Max.		kW	3.0	3.8	5.6
			Btu/h	10,200	13,000	19,100
			kcal/h	2,580	3,270	4,820
Heating capacity	Min.		kW	1.3	1.4	
			Btu/h	4,400	4,800	
			kcal/h	1,120	1,200	
	Nom.		kW	3.4 (3)	4.5 (3)	5.8 (3)
			Btu/h	11,600 (3)	15,400 (3)	19,800 (3)
			kcal/h	2,920 (3)	3,870 (3)	4,990 (3)
	Max.		kW	4.5	5.0	8.1
			Btu/h	15,400	17,100	27,600
			kcal/h	3,870	4,300	6,970
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		A
		Pdesign	kW	2.50	3.50	5.00
		SEER		4.71	4.93	5.53
		Annual energy consumption	kWh	186	248	317
	Heating (Average climate)	Energy label		A+	A	
		Pdesign	kW	2.60	2.90	4.80
		SCOP		4.38	3.83	3.62
		Annual energy consumption	kWh	830	1,060	1,853
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			4.39	3.43	3.23
	COP			4.30	3.69	3.63
	Annual energy consumption		kWh	285	510	775
	Energy label	Cooling		A		
		Heating		A		
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		12.7
	Drain	OD	mm	20.0		
	Heat insulation			Both liquid and gas pipes		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.5 (4) / 3.3 (5) / 3.2 (6)	4.9 (4) / 4.7 (5) / 4.5 (6)	7.2 (4) / 6.8 (5) / 6.6 (6)
		Heating	A	4.5 (4) / 4.3 (5) / 4.1 (6)	5.9 (4) / 5.6 (5) / 5.4 (6)	7.3 (4) / 7.0 (5) / 6.7 (6)

Notes

(1) EER/COP according to Eurovent 2012

(2) Cooling: indoor temp. 27ºCDB, 19.0ºCWB; outdoor temp. 35ºCDB; equivalent piping length: 5m; level difference: 0m

(3) Heating: indoor temp. 20ºCDB; outdoor temp. 7ºCDB, 6ºCWB; equivalent refrigerant piping: 5m; level difference: 0m

(4) 220V

(5) 230V

(6) 240V

2 Specifications

2-3 Nominal Capacity And Nominal Input				FLXS25B/RXS25K	FLXS35B/RXS35K	FLXS50B/RXS50K
Cooling capacity	Min.		kW	1.2		0.9
			Btu/h	4,100		3,070
			kcal/h	1,030		770
	Nom.		kW	2.5 (2)	3.5 (2)	4.9 (2)
			Btu/h	8,500 (2)	11,900 (2)	16,730 (2)
			kcal/h	2,150 (2)	3,010 (2)	4,210 (2)
	Max.		kW	3.0	3.8	5.3
			Btu/h	10,200	13,000	18,090
			kcal/h	2,580	3,270	4,560
Heating capacity	Min.		kW	1.2	1.4	0.9
			Btu/h	4,100		3,070
			kcal/h	1,030		770
	Nom.		kW	3.4 (3)	4.0 (3)	6.1 (3)
			Btu/h	11,600 (3)	13,600 (3)	20,830 (3)
			kcal/h	2,920 (3)	3,440 (3)	5,250 (3)
	Max.		kW	4.5	5.0	7.5
			Btu/h	15,400	17,100	25,610
			kcal/h	3,870	4,300	6,450
Seasonal efficiency (according to EN14825)	Cooling	Energy label		C		B
		Pdesign	kW	2.50	3.50	4.90
		SEER		4.46	4.49	5.09
		Annual energy consumption	kWh	196	273	337
	Heating (Average climate)	Energy label		A		
		Pdesign	kW	2.80	2.90	4.50
		SCOP		3.63	3.42	3.68
		Annual energy consumption	kWh	1,080	1,186	1,708
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.85	3.10	2.85
	COP			3.47	3.25	3.35
	Annual energy consumption		kWh	325	565	860
	Energy label	Cooling		A	B	C
		Heating		B	C	
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		12.7
	Drain	OD	mm	18.0		
	Heat insulation			Both liquid and gas pipes		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.7 (4) / 3.6 (5) / 3.4 (6)	5.3 (4) / 5.1 (5) / 4.9 (6)	8.0 (4) / 7.6 (5) / 7.3 (6)
		Heating	A	4.7 (4) / 4.5 (5) / 4.3 (6)	5.8 (4) / 5.5 (5) / 5.3 (6)	8.4 (4) / 8.0 (5) / 7.7 (6)

Notes

(1) EER/COP according to Eurovent 2012

(2) Cooling: indoor temp. 27ºCDB, 19.0ºCWB; outdoor temp. 35ºCDB; equivalent piping length: 5m; level difference: 0m

(3) Heating: indoor temp. 20ºCDB; outdoor temp. 7ºCDB, 6ºCWB; equivalent refrigerant piping: 5m; level difference: 0m

(4) 220V

(5) 230V

(6) 240V

2 Specifications

2-4 Nominal Capacity And Nominal Input				FDXS25F/RXS25K	FDXS35F/RXS35K	FDXS50F/RXS50K
Cooling capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
			kcal/h	1,110	1,200	1,460
	Nom.		kW	2.4 (2)	3.4 (2)	5.0 (2)
			Btu/h	8,150 (2)	11,600 (2)	17,100 (2)
			kcal/h	2,060 (2)	2,920 (2)	4,300 (2)
	Max.		kW	3.0	3.8	5.3
			Btu/h	10,200	13,000	18,100
			kcal/h	2,580	3,260	4,560
Heating capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
			kcal/h	1,110	1,200	1,460
	Nom.		kW	3.2 (3)	4.0 (3)	5.8 (3)
			Btu/h	10,900 (3)	13,600 (3)	19,800 (3)
			kcal/h	2,750 (3)	3,440 (3)	4,990 (3)
	Max.		kW	4.5	5.0	6.0
			Btu/h	15,350	17,100	20,500
			kcal/h	3,870	4,300	5,160
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		A
		Pdesign	kW	2.40	3.40	5.00
		SEER		5.08	4.82	5.12
		Annual energy consumption	kWh	165	247	342
	Heating (Average climate)	Energy label		A+	A	
		Pdesign	kW	2.60	2.90	3.50
		SCOP		4.19	3.81	3.41
		Annual energy consumption	kWh	869	1,066	1,438
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.72 (1)	3.21 (1)	3.03 (1)
	COP			3.90 (1)	3.39 (1)	3.10 (1)
	Annual energy consumption		kWh	323	530	825
	Energy label	Cooling		A		B
		Heating		A	C	D
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		12.7
	Heat insulation			Both liquid and gas pipes		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.9	4.9	7.1
		Heating	A	4.2	5.4	8.3

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 Specifications

2-5 Nominal Capacity And Nominal Input				FHQ35C/RXS35K	FHQ50C/RXS50K
Cooling capacity	Nom.		kW	3.4	5.0
Heating capacity	Nom.		kW	4.0	6.0
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B	A
		Pdesign	kW	3.40	5.00
		SEER		4.89	5.48
		Annual energy consumption	kWh	243	320
	Heating (Average climate)	Energy label		A	
		Pdesign	kW	3.10	4.35
		SCOP		3.98	3.74
		Annual energy consumption	kWh	1,090	1,627
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.58	3.18
	COP			3.96	3.35
	Annual energy consumption		kWh	475	785
	Energy label	Cooling		A	B
		Heating		A	C

Notes

(1) EER/COP according to Eurovent 2012

2-6 Nominal Capacity And Nominal Input				FFQ25C/RXS25K	FFQ35C/RXS35K	FFQ50C/RXS50K
Cooling capacity	Nom.		kW	2.50	3.40	5.00
Heating capacity	Nom.		kW	3.20	4.20	5.80
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A	A+	
		Pdesign	kW	2.50	3.40	5.00
		SEER		5.25	5.60	5.70
		Annual energy consumption	kWh	167	212	307
	Heating (Average climate)	Energy label		A+		
		Pdesign	kW	2.31	3.45	3.84
		SCOP		4.12	4.09	4.10
		Annual energy consumption	kWh	784	1,182	1,311
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			4.46	3.70	3.21
	COP			3.81	3.41	3.49
	Annual energy consumption		kWh	280	460	780
	Energy label	Cooling		A		
		Heating		A	B	

Notes

(1) EER/COP according to Eurovent 2012

2 Specifications

2-7 Nominal Capacity And Nominal Input				FBQ35C8/RXS35K	FBQ50C8/RXS50K
Cooling capacity	Nom.		kW	3.40	5.00
Heating capacity	Nom.		kW	4.00	5.50
Seasonal efficiency (according to EN14825)	Cooling	Energy label		C	B
		Pdesign	kW	3.50	4.90
		SEER		4.33	4.96
		Annual energy consumption	kWh	283	346
	Heating (Average climate)	Energy label		A	
		Pdesign	kW	2.90	4.50
		SCOP		3.56	3.53
		Annual energy consumption	kWh	1,141	1,782
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.21	3.03
	COP			3.51	3.42
	Annual energy consumption		kWh	530	825
	Energy label	Cooling		A	B
		Heating		B	

Notes

(1) EER/COP according to Eurovent 2012

2-8 Nominal Capacity And Nominal Input				FCQG35F/RXS35K	FCQG50F/RXS50K
Cooling capacity	Nom.		kW	3.40	5.00
Heating capacity	Nom.		kW	4.20	6.00
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A	A+
		Pdesign	kW	3.50	5.00
		SEER		5.34	5.89
		Annual energy consumption	kWh	230	297
	Heating (Average climate)	Energy label		A++	A+
		Pdesign	kW	3.32	4.36
		SCOP		4.74	4.24
		Annual energy consumption	kWh	981	1,442
Nominal efficiency (cooling at 35º/27º nominal load, heating at 7º/20º nominal load)	EER			3.58	3.55
	COP			3.41	3.70
	Annual energy consumption		kWh	475	705
	Energy label	Cooling		A	
		Heating		B	A
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.5	12.7

Notes

(1) EER/COP according to Eurovent 2012

2 Specifications

2-9 Technical Specifications					RXS20K	RXS25K	RXS35K	RXS42K	RXS50K
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	364				390
Weight	Unit			kg	34			39	47
	Packed unit			kg	38			45	52
Heat exchanger	Length			mm	805			810	845
	Rows	Quantity			2				
	Fin pitch			mm	1.4			1.5	1.8
	Stages	Quantity			24				32
	Tube type				ø7 Hi-XA			ø8 Hi-XA	
	Fin	Type			Waffle louvered fin		WF fin	Precoat Fin	
Compressor	Model				1YC23AEXD		1YC23AEXDC	2YC36BXD#C	
	Type				Hermetically sealed swing compressor				
	Output			W	600			1,100	
Fan	Type				Propeller fan				
	Air flow rate	Cooling	High	m³/min	33.5		36.0	37.3	50.9
				cfm	1,183		1,271	1,317	1,797
			Nom.	m³/min	33.5		36.0	37.3	50.9
				cfm	1,183		1,271	1,317	1,797
			Low	m³/min	30.1		-		
				cfm	1,063		-		
			Super low	m³/min	-		30.1	30.6	48.9
				cfm	-		1,063	1,080	1,727
		Heating	High	m³/min	28.3			31.3	45.0
				cfm	999			1,105	1,589
			Low	m³/min	25.6		-		
				cfm	904		-		
			Super low	m³/min	-		25.6	27.2	43.1
				cfm	-		904	960	1,522
Fan motor	Model				D23H-28			D50R-28	KFD-380-50-8D
	Output			W	23			50	53
	Speed	Cooling	High	rpm	860		920	890	780
			Super low	rpm	780			790	670
		Heating	High	rpm	860			890	720
			Super low	rpm	740			780	670
Sound power level	Cooling	Nom.		dBA	61	62	-		
		High		dBA	-		63		
Sound pressure level	Cooling	High		dBA	46		48		
		Silent operation		dBA	43		44		
	Heating	High		dBA	47		48		
		Silent operation		dBA	44		45		
Operation range	Cooling	Ambient	Min.	ºCDB	-10				
			Max.	ºCDB	46				
	Heating	Ambient	Min.	ºCWB	-15				
			Max.	ºCWB	18				
Refrigerant	Type				R-410A				
	Charge			kg	1.0		1.2	1.3	1.7
	GWP				1,975				
Refrigerant oil	Type				FVC50K				
	Charged volume			l	0.375			0.650	

2 Specifications

2-9 Technical Specifications					RXS20K	RXS25K	RXS35K	RXS42K	RXS50K
Piping connections	Liquid	OD		mm	6.35				
	Gas	OD		mm	9.5				12.7
	Drain	ID		mm	-				
		OD		mm	18.0				
	Piping length	OU - IU	Max.	m	20				30
		System	Chargeless	m	10				
	Level difference	IU - OU	Max.	m	15				20
	Heat insulation				Both liquid and gas pipes				

2-10 Electrical Specifications				RXS20K	RXS25K	RXS35K	RXS42K	RXS50K
Power supply	Name			-		V1		
	Phase			1~				
	Frequency		Hz	50				
	Voltage		V	220-240				
Current	Nominal running current (RLA)	Cooling	A	2.21 (1) / 2.12 (2) / 2.03 (3)	3.01 (1) / 2.92 (2) / 2.83 (3)	4.18 (1) / 3.98 (2) / 3.79 (3)	5.89 (1) / 5.59 (2) / 5.39 (3)	6.48 (1) / 6.18 (2) / 5.89 (3)
		Heating	A	2.61 (1) / 2.52 (2) / 2.43 (3)	3.11 (1) / 3.02 (2) / 2.93 (3)	4.17 (1) / 3.97 (2) / 3.78 (3)	6.46 (1) / 6.16 (2) / 5.87 (3)	6.65 (1) / 6.36 (2) / 6.06 (3)
	Starting current	Cooling	A	2.8	3.3	4.3	6.6	6.8
		Heating	A	2.8	3.3	4.3	6.6	6.8
Current - 50Hz	Maximum fuse amps (MFA)		A	-		10	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) 220V

(2) 230V

(3) 240V

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

3 Electrical data

3 - 1 Electrical Data

RXS20-25K

Representative unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FTXS20K	RXS20K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	8.0	10	2.4	23	0.24	16	0.19
						2.2		0.23		0.18
						2.1		0.22		0.17
FTXS25K	RXS25K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	8.0	10	2.8	23	0.24	16	0.19
						2.7		0.23		0.18
						2.6		0.22		0.17

3D074810A

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. Maximum allowable voltage variation between phases is 2%.
2. Select wire size based on the larger value of MCA.
3. Instead of fuse, use circuit breaker.

RXS25-35K

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FDXS25F	RXS25K	50 - 230	Max. 50Hz 253V Min. 50Hz 207V	12	16	54	4.1	31	0.20	34	0.3
FDXS35F	RXS35K	50 - 230	Max. 50Hz 253V Min. 50Hz 207V	12	16	90	5.5	35	0.22	34	0.3

3D081369

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.

3 Electrical data

3 - 1 Electrical Data

RXS25K

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS25F	RXS25K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	3.0	23	0.23	48	0.05
		50 - 230					2.8				
		50 - 240					2.7				
FLXS25B	RXS25K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	2.7	23	0.23	34	0.34
		50 - 230					2.5				
		50 - 240					2.4				

3D070944B

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.

RXS25-35,50K

Unit combination		Power supply				Compressor	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FFQ25C	RXS25K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	2.6 2.5 2.3	0.023	0.23	0.050	0.3
FFQ35C	RXS35K	50 - 220 50 - 230 50 - 240		9.75	10	4.8 4.6 4.4	0.023	0.23	0.050	0.4
FFQ50C	RXS50K	50 - 220 50 - 230 50 - 240		19.75	20	6.5 6.2 5.9	0.053	0.27	0.050	0.4

3D082554

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°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

RXS35K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS35F	RXS35K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.8 4.6 4.4	23	0.23	48	0.05
FLXS35B	RXS35K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.5 4.3 4.1	23	0.23	34	0.38
FTXS35K	RXS35K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	8.8	10	68	3.8 3.6 3.4	23	0.23	23	0.15

3D070943B

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.

RXS35K

Representative unit combination		Power supply				COMP	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FBQ35C8	RXS35K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	4.1	23	0.23	56	0.30
		50 - 230				3.9				
		50 - 240				3.7				

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

3D072981

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

RXS35,50K

Unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FCQG35F	RXS35K	50 - 220 50 - 230 50 - 240	Max. 50Hz 253V Min. 50Hz 207V	9.75	10	7.1 3.9 3.7	0.023	0.23	0.048	0.30
FCQG50F	RXS50K	50 - 220 50 - 230 50 - 240	Max. 50Hz 253V Min. 50Hz 207V	19.75	20	6.0 5.7 3.4	0.053	0.27	0.048	0.30

3D077408B

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.

RXS35,50K

Representative unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FHQ35C	RXS35K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	4.3 4.1 3.9	23	0.23	60	0.60
FHQ50C	RXS50K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	7.5	53	0.27	60	0.60

3D080360

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

RXS42K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS42K	RXS42K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	11.0	20	62	6.0 5.7 5.4	50	0.23	23	0.15

3D059709D

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.

RXS50K

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS50F	RXS50K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	69	6.7	53	0.27	48	0.10
		50 - 230					6.3				
		50 - 240					6.1				
FTXS50K	RXS50K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	15.5	20	65	6.3	53	0.27	23	0.15
		50 - 230					6.0				
		50 - 240					5.7				

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

3D070939B

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

RXS50K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLXS50B	RXS50K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	19.75	20	73	7.1	53	0.27	34	0.54

3D070940B

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.

RXS50K

Representative unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FBQ50C8	RXS50K	50 - 230	Max. 50Hz 253V Min. 50Hz 207V	19.75	20	7	53	0.27	140	1.2

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

3D070950A

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

RXS50K

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FDXS50F	RXS50K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	74	6.8	53	0.27	36	0.4

3D081370

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 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

FTXS20K + RXS20K

Cooling **50Hz 220-240V**

AFR	8.8
BF	0.16

Temp: Celcius / TC, SHC, PI: kW

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	20.0	2.05	1.76	0.33	1.96	1.72	0.36	1.86	1.68	0.39	1.83	1.66	0.41	1.77	1.64	0.43	1.68	1.59	0.46
16.0	22.0	2.14	1.73	0.33	2.05	1.69	0.36	1.95	1.65	0.40	1.92	1.64	0.41	1.86	1.62	0.43	1.77	1.58	0.46
18.0	25.0	2.23	1.85	0.33	2.14	1.81	0.37	2.05	1.78	0.40	2.01	1.76	0.41	1.95	1.74	0.43	1.86	1.70	0.46
19.0	27.0	2.28	1.98	0.33	2.19	1.95	0.37	2.09	1.91	0.40	2.06	1.90	0.41	2.00	1.88	0.43	1.91	1.84	0.46
22.0	30.0	2.42	1.92	0.34	2.32	1.89	0.37	2.23	1.86	0.40	2.19	1.85	0.41	2.14	1.83	0.43	2.05	1.80	0.46
24.0	32.0	2.51	1.88	0.34	2.42	1.86	0.37	2.32	1.83	0.40	2.29	1.82	0.42	2.23	1.80	0.43	2.14	1.77	0.47

Heating **50Hz 220-240V**

AFR	9.5

Temp: Celsius / TC, PI: kW

Indoor	Outdoor temp. (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.19	0.35	1.43	0.37	1.67	0.39	2.25	0.51	2.59	0.54	2.81	0.56
20.0	1.12	0.36	1.36	0.38	1.60	0.40	2.16	0.52	2.50	0.55	2.73	0.57
22.0	1.09	0.37	1.33	0.39	1.57	0.40	2.13	0.53	2.47	0.55	2.69	0.57
24.0	1.06	0.37	1.30	0.39	1.54	0.41	2.09	0.53	2.43	0.56	2.66	0.58
25.0	1.04	0.37	1.28	0.39	1.52	0.41	2.07	0.54	2.41	0.56	2.64	0.58
27.0	1.01	0.38	1.25	0.40	1.49	0.41	2.04	0.54	2.38	0.57	2.61	0.59

3D074718B

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: 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

FTXS25K + RXS25K

Cooling **50Hz 220-240V**

AFR	9.1
BF	0.24

Temp: Celcius / TC, SHC, PI: kW

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	20.0	2.28	1.82	0.41	2.28	1.82	0.46	2.28	1.82	0.52	2.28	1.82	0.54	2.21	1.79	0.56	2.10	1.73	0.61
16.0	22.0	2.68	1.92	0.44	2.56	1.87	0.48	2.44	1.82	0.52	2.40	1.80	0.54	2.33	1.76	0.57	2.21	1.71	0.61
18.0	25.0	2.79	2.02	0.44	2.68	1.97	0.48	2.56	1.92	0.53	2.51	1.90	0.54	2.44	1.88	0.57	2.33	1.83	0.61
19.0	27.0	2.85	2.14	0.44	2.73	2.09	0.49	2.62	2.05	0.53	2.57	2.03	0.54	2.50	2.00	0.57	2.38	1.95	0.61
22.0	30.0	3.02	2.07	0.45	2.91	2.03	0.49	2.79	1.98	0.53	2.74	1.97	0.55	2.67	1.94	0.57	2.56	1.90	0.62
24.0	32.0	3.14	2.02	0.45	3.02	1.98	0.49	2.90	1.94	0.53	2.86	1.92	0.55	2.79	1.90	0.58	2.67	1.87	0.62

Heating **50Hz 220-240V**

AFR	10.0

Temp: Celsius / TC, PI: kW

Indoor	Outdoor temp. (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.33	0.40	1.60	0.42	1.87	0.44	2.52	0.58	2.90	0.61	3.15	0.63
20.0	1.25	0.41	1.52	0.43	1.79	0.45	2.42	0.59	2.80	0.62	3.05	0.64
22.0	1.22	0.41	1.49	0.44	1.76	0.46	2.38	0.59	2.76	0.63	3.01	0.65
24.0	1.19	0.42	1.45	0.44	1.72	0.46	2.34	0.60	2.72	0.63	2.98	0.65
25.0	1.17	0.42	1.44	0.44	1.71	0.46	2.32	0.60	2.70	0.63	2.96	0.65
27.0	1.14	0.43	1.41	0.45	1.67	0.47	2.29	0.61	2.66	0.64	2.92	0.66

3D074719B

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: 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

FTXS35K + RXS35K

Cooling **50Hz 220-240V**

AFR	11.2
BF	0.12

Temp: Celcius / TC, SHC, PI: kW

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	20.0	3.24	2.59	0.62	3.24	2.59	0.70	3.24	2.59	0.77	3.19	2.57	0.79	3.10	2.52	0.83	2.93	2.44	0.89
16.0	22.0	3.75	2.71	0.65	3.58	2.64	0.71	3.42	2.56	0.77	3.36	2.53	0.80	3.26	2.49	0.83	3.10	2.42	0.90
18.0	25.0	3.91	2.85	0.65	3.75	2.78	0.71	3.58	2.72	0.78	3.52	2.69	0.80	3.42	2.65	0.84	3.26	2.58	0.90
19.0	27.0	3.99	3.02	0.65	3.83	2.96	0.72	3.66	2.89	0.78	3.60	2.86	0.80	3.50	2.82	0.84	3.34	2.76	0.90
22.0	30.0	4.23	2.92	0.66	4.07	2.86	0.72	3.90	2.80	0.78	3.84	2.78	0.81	3.74	2.75	0.85	3.58	2.69	0.91
24.0	32.0	4.39	2.85	0.66	4.23	2.79	0.73	4.07	2.74	0.79	4.00	2.72	0.81	3.90	2.69	0.85	3.74	2.64	0.91

Heating **50Hz 220-240V**

AFR	12.1

Temp: Celsius / TC, PI: kW

Indoor	Outdoor temp. (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.90	0.54	2.29	0.57	2.67	0.60	3.60	0.78	4.14	0.82	4.50	0.85
20.0	1.79	0.56	2.17	0.58	2.56	0.61	3.46	0.80	4.00	0.84	4.36	0.87
22.0	1.74	0.56	2.12	0.59	2.51	0.62	3.40	0.81	3.94	0.85	4.31	0.88
24.0	1.69	0.57	2.08	0.60	2.46	0.62	3.35	0.81	3.89	0.86	4.25	0.88
25.0	1.67	0.57	2.05	0.60	2.44	0.63	3.32	0.82	3.86	0.86	4.22	0.89
27.0	1.62	0.58	2.01	0.60	2.39	0.63	3.26	0.82	3.81	0.87	4.17	0.89

3D080613

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: 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

FTXS42K + RXS42K

Cooling **50Hz 220-240V**

AFR	11.2
BF	0.15

Temp: Celcius / TC, SHC, PI: kW

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	20.0	3.13	2.50	0.84	3.13	2.50	0.95	3.13	2.50	1.07	3.13	2.50	1.11	3.13	2.50	1.17	3.13	2.50	1.25
16.0	22.0	4.19	2.89	0.90	4.19	2.89	0.99	4.11	2.85	1.08	4.03	2.81	1.12	3.91	2.75	1.17	3.71	2.66	1.26
18.0	25.0	4.69	3.16	0.92	4.49	3.07	1.00	4.30	2.98	1.09	4.22	2.95	1.13	4.10	2.90	1.18	3.91	2.81	1.26
19.0	27.0	4.79	3.32	0.92	4.59	3.23	1.01	4.40	3.15	1.09	4.32	3.11	1.13	4.20	3.06	1.18	4.00	2.98	1.27
22.0	30.0	5.08	3.19	0.93	4.88	3.12	1.01	4.69	3.04	1.10	4.61	3.01	1.14	4.49	2.97	1.19	4.29	2.90	1.28
24.0	32.0	5.27	3.10	0.93	5.07	3.03	1.02	4.88	2.97	1.11	4.80	2.94	1.14	4.68	2.90	1.19	4.49	2.83	1.28

Heating **50Hz 220-240V**

AFR	12.4

Temp: Celsius / TC, PI: kW

Indoor	Outdoor temp. (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.57	0.84	3.09	0.89	3.61	0.93	4.85	1.22	5.59	1.28	6.07	1.32
20.0	2.41	0.87	2.93	0.91	3.45	0.95	4.67	1.25	5.40	1.31	5.89	1.35
22.0	2.35	0.88	2.87	0.92	3.39	0.96	4.59	1.26	5.33	1.32	5.81	1.36
24.0	2.29	0.89	2.80	0.93	3.32	0.97	4.52	1.27	5.25	1.33	5.74	1.38
25.0	2.25	0.89	2.77	0.93	3.29	0.98	4.48	1.27	5.21	1.34	5.65	1.38
27.0	2.19	0.90	2.71	0.94	3.23	0.99	4.41	1.29	5.14	1.35	5.23	1.35

3D080615

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: 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

FTXS50K + RXS50K

Cooling **50Hz 220-240V**

AFR	11.9
BF	0.13

Temp: Celcius / TC, SHC, PI: kW

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	20.0	3.41	2.72	0.98	3.41	2.72	1.13	3.41	2.72	1.27	3.41	2.72	1.33	3.41	2.72	1.39	3.41	2.72	1.50
16.0	22.0	4.56	3.14	1.05	4.56	3.14	1.18	4.56	3.14	1.29	4.56	3.14	1.34	4.56	3.14	1.40	4.42	3.07	1.50
18.0	25.0	5.58	3.66	1.09	5.35	3.55	1.20	5.12	3.45	1.30	5.02	3.40	1.34	4.88	3.34	1.41	4.65	3.24	1.51
19.0	27.0	5.70	3.83	1.10	5.47	3.72	1.20	5.23	3.62	1.31	5.14	3.58	1.35	5.00	3.52	1.41	4.77	3.42	1.51
22.0	30.0	6.04	3.68	1.11	5.81	3.59	1.21	5.58	3.50	1.32	5.49	3.46	1.36	5.35	3.40	1.42	5.11	3.32	1.52
24.0	32.0	6.27	3.57	1.11	6.04	3.49	1.22	5.81	3.40	1.32	5.72	3.37	1.36	5.58	3.32	1.43	5.34	3.24	1.53

Heating **50Hz 220-240V**

AFR	13.3

Temp: Celsius / TC, PI: kW

Indoor	Outdoor temp. (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.76	0.93	3.32	0.98	3.88	1.03	5.21	1.35	6.00	1.42	6.52	1.47
20.0	2.59	0.96	3.15	1.01	3.71	1.05	5.01	1.38	5.80	1.45	6.32	1.50
22.0	2.52	0.97	3.08	1.02	3.64	1.07	4.93	1.39	5.72	1.46	6.24	1.51
24.0	2.46	0.98	3.01	1.03	3.57	1.08	4.85	1.40	5.64	1.48	6.16	1.52
25.0	2.42	0.99	2.98	1.03	3.54	1.08	4.81	1.41	5.60	1.48	6.12	1.53
27.0	2.35	1.00	2.91	1.04	3.47	1.09	4.73	1.42	5.52	1.50	6.04	1.54

3D080616

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: 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

FVXS25F + RXS25K

Cooling **50Hz 220-240V**

AFR	8.2
BF	0.10

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	2.56	2.00	0.44	2.44	1.95	0.48	2.33	1.89	0.52	2.28	1.87	0.54	2.21	1.84	0.56	2.10	1.78	0.61
16.0	22	2.68	1.97	0.44	2.56	1.92	0.48	2.44	1.87	0.52	2.40	1.84	0.54	2.33	1.81	0.57	2.21	1.76	0.61
18.0	25	2.79	2.08	0.44	2.68	2.03	0.48	2.56	1.98	0.53	2.51	1.96	0.54	2.44	1.93	0.57	2.33	1.89	0.61
19.0	27	2.85	2.21	0.44	2.73	2.16	0.49	2.62	2.11	0.53	2.57	2.09	0.54	2.50	2.07	0.57	2.38	2.02	0.61
22.0	30	3.02	2.13	0.45	2.91	2.09	0.49	2.79	2.05	0.53	2.74	2.03	0.55	2.67	2.01	0.57	2.56	1.97	0.62
24.0	32	3.14	2.08	0.45	3.02	2.04	0.49	2.90	2.01	0.53	2.86	1.99	0.55	2.79	1.97	0.58	2.67	1.93	0.62

Heating **50Hz 220-240V**

AFR	8.8

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.29	0.67	2.67	0.70	3.06	0.73	3.52	0.77	3.82	0.80
20.0	2.17	0.69	2.56	0.72	2.94	0.75	3.40	0.79	3.71	0.82
22.0	2.12	0.69	2.51	0.73	2.89	0.76	3.35	0.80	3.66	0.82
24.0	2.08	0.70	2.46	0.73	2.85	0.77	3.31	0.80	3.61	0.83
25.0	2.05	0.70	2.44	0.74	2.82	0.77	3.28	0.81	3.59	0.83
27.0	2.01	0.71	2.39	0.74	2.77	0.78	3.24	0.81	3.54	0.84

3D056491F

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

FVXS35F + RXS35K

Cooling **50Hz 220-240V**

AFR	8.5
BF	0.11

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	3.59	2.54	0.78	3.42	2.46	0.86	3.26	2.37	0.93	3.19	2.34	0.96	3.10	2.29	1.01	2.93	2.21	1.08
16.0	22	3.75	2.50	0.79	3.58	2.42	0.86	3.42	2.34	0.94	3.36	2.31	0.97	3.26	2.26	1.01	3.10	2.18	1.09
18.0	25	3.91	2.60	0.79	3.75	2.52	0.87	3.58	2.45	0.94	3.52	2.42	0.97	3.42	2.37	1.02	3.26	2.30	1.09
19.0	27	3.99	2.72	0.79	3.83	2.65	0.87	3.66	2.57	0.94	3.60	2.55	0.97	3.50	2.50	1.02	3.34	2.43	1.10
22.0	30	4.23	2.61	0.80	4.07	2.55	0.88	3.90	2.49	0.95	3.84	2.46	0.98	3.74	2.43	1.03	3.58	2.36	1.10
24.0	32	4.39	2.54	0.81	4.23	2.48	0.88	4.07	2.42	0.96	4.00	2.40	0.99	3.90	2.37	1.03	3.74	2.31	1.11

Heating **50Hz 220-240V**

AFR	9.4

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.03	1.03	3.54	1.08	4.05	1.13	4.66	1.19	5.06	1.23
20.0	2.87	1.06	3.38	1.11	3.89	1.16	4.50	1.22	4.91	1.26
22.0	2.81	1.07	3.32	1.12	3.83	1.17	4.44	1.23	4.84	1.27
24.0	2.75	1.08	3.26	1.13	3.77	1.18	4.38	1.24	4.78	1.28
25.0	2.72	1.09	3.23	1.14	3.73	1.19	4.34	1.25	4.75	1.29
27.0	2.66	1.10	3.16	1.15	3.67	1.20	4.28	1.26	4.69	1.30

3D056492E

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

FVXS50F + RXS50K

Cooling **50Hz 220-240V**

AFR	10.7
BF	0.13

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	4.53	3.19	1.13	4.53	3.19	1.27	4.53	3.19	1.41	4.53	3.19	1.46	4.42	3.13	1.53	4.19	3.01	1.65
16.0	22	5.35	3.45	1.20	5.12	3.33	1.31	4.89	3.21	1.43	4.79	3.16	1.47	4.65	3.09	1.54	4.42	2.98	1.65
18.0	25	5.58	3.56	1.20	5.35	3.45	1.32	5.12	3.34	1.43	5.02	3.29	1.48	4.88	3.23	1.55	4.65	3.12	1.66
19.0	27	5.70	3.71	1.21	5.47	3.60	1.32	5.23	3.49	1.44	5.14	3.45	1.48	5.00	3.39	1.55	4.77	3.28	1.66
22.0	30	6.04	3.56	1.22	5.81	3.46	1.33	5.58	3.37	1.45	5.49	3.33	1.49	5.35	3.27	1.56	5.11	3.18	1.67
24.0	32	6.27	3.45	1.22	6.04	3.36	1.34	5.81	3.27	1.45	5.72	3.24	1.50	5.58	3.19	1.57	5.34	3.10	1.68

Heating **50Hz 220-240V**

AFR	11.8

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.35	4.56	1.42	5.21	1.48	6.00	1.56	6.52	1.62
20.0	3.70	1.39	4.36	1.46	5.01	1.52	5.80	1.60	6.32	1.65
22.0	3.62	1.40	4.28	1.47	4.93	1.54	5.72	1.61	6.24	1.67
24.0	3.54	1.42	4.20	1.48	4.85	1.55	5.64	1.63	6.16	1.68
25.0	3.50	1.43	4.16	1.49	4.81	1.56	5.60	1.64	6.03	1.68
27.0	3.42	1.44	4.08	1.51	4.73	1.57	5.52	1.65	5.64	1.68

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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. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5.0m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS25B + RXS25K

Cooling **50Hz 220-240V**

AFR	7.6
BF	0.32

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	2.52	1.77	0.49	2.44	1.73	0.55	2.33	1.67	0.59	2.28	1.65	0.61	2.21	1.61	0.64	2.10	1.55	0.69
16.0	22	2.68	1.76	0.50	2.56	1.71	0.55	2.44	1.65	0.60	2.40	1.63	0.62	2.33	1.59	0.65	2.21	1.54	0.69
18.0	25	2.79	1.83	0.50	2.68	1.78	0.55	2.56	1.72	0.60	2.51	1.70	0.62	2.44	1.67	0.65	2.33	1.62	0.70
19.0	27	2.85	1.91	0.51	2.73	1.86	0.55	2.62	1.81	0.60	2.57	1.79	0.62	2.50	1.76	0.65	2.38	1.71	0.70
22.0	30	3.02	1.84	0.51	2.91	1.79	0.56	2.79	1.75	0.61	2.74	1.73	0.63	2.67	1.70	0.65	2.56	1.66	0.70
24.0	32	3.14	1.79	0.51	3.02	1.74	0.56	2.90	1.70	0.61	2.86	1.68	0.63	2.79	1.66	0.66	2.67	1.62	0.71

Heating **50Hz 220-240V**

AFR	9.2

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.29	0.83	2.67	0.87	3.06	0.91	3.52	0.96	3.82	0.99
20.0	2.17	0.85	2.56	0.89	2.94	0.93	3.40	0.98	3.71	1.01
22.0	2.12	0.86	2.51	0.90	2.89	0.94	3.35	0.99	3.66	1.02
24.0	2.08	0.87	2.46	0.91	2.85	0.95	3.31	1.00	3.61	1.03
25.0	2.05	0.87	2.44	0.91	2.82	0.95	3.28	1.00	3.59	1.03
27.0	2.01	0.88	2.39	0.92	2.77	0.96	3.24	1.01	3.54	1.04

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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. 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

FLXS35B + RXS35K

Cooling **50Hz 220-240V**

AFR	8.6
BF	0.35

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	2.72	1.92	0.87	2.72	1.92	0.95	2.72	1.92	1.03	2.72	1.92	1.07	2.72	1.92	1.12	2.72	1.92	1.20
16.0	22	3.34	2.14	0.87	3.34	2.14	0.96	3.34	2.14	1.04	3.34	2.14	1.07	3.26	2.10	1.12	3.10	2.01	1.21
18.0	25	3.91	2.42	0.88	3.75	2.34	0.96	3.58	2.26	1.04	3.52	2.22	1.08	3.42	2.17	1.13	3.26	2.09	1.21
19.0	27	3.99	2.51	0.88	3.83	2.43	0.96	3.66	2.34	1.05	3.60	2.31	1.08	3.50	2.27	1.13	3.34	2.19	1.21
22.0	30	4.23	2.40	0.89	4.07	2.33	0.97	3.90	2.26	1.05	3.84	2.23	1.09	3.74	2.19	1.14	3.58	2.12	1.22
24.0	32	4.39	2.32	0.89	4.23	2.26	0.98	4.07	2.19	1.06	4.00	2.16	1.09	3.90	2.13	1.14	3.74	2.06	1.23

Heating **50Hz 220-240V**

AFR	9.8

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	1.04	3.14	1.09	3.60	1.14	4.14	1.20	4.50	1.24
20.0	2.55	1.07	3.01	1.12	3.46	1.17	4.00	1.23	4.36	1.27
22.0	2.50	1.08	2.95	1.13	3.40	1.18	3.94	1.24	4.31	1.28
24.0	2.44	1.09	2.90	1.14	3.35	1.19	3.89	1.25	4.25	1.29
25.0	2.42	1.10	2.87	1.15	3.32	1.20	3.86	1.26	4.18	1.30
27.0	2.36	1.11	2.81	1.16	3.26	1.21	3.81	1.27	3.91	1.30

3D055039D

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

FLXS50B + RXS50K

Cooling **50Hz 220-240V**

AFR	11.4
BF	0.18

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	4.96	3.26	1.37	4.81	3.19	1.47	4.66	3.12	1.56	4.60	3.09	1.60	4.51	3.05	1.66	4.36	2.98	1.75
16.0	22	5.12	3.30	1.40	4.97	3.23	1.49	4.82	3.16	1.59	4.76	3.13	1.62	4.67	3.09	1.68	4.52	3.02	1.78
18.0	25	5.27	3.33	1.42	5.12	3.26	1.52	4.97	3.19	1.61	4.91	3.16	1.65	4.82	3.12	1.71	4.67	3.05	1.80
19.0	27	5.35	3.35	1.44	5.20	3.28	1.53	5.05	3.21	1.63	4.99	3.18	1.66	4.90	3.14	1.72	4.75	3.07	1.82
22.0	30	5.58	3.40	1.47	5.43	3.33	1.57	5.28	3.26	1.66	5.22	3.23	1.70	5.13	3.19	1.76	4.98	3.12	1.85
24.0	32	5.74	3.43	1.50	5.59	3.36	1.60	5.44	3.29	1.69	5.38	3.26	1.73	5.29	3.22	1.79	5.14	3.15	1.88

Heating **50Hz 220-240V**

AFR	12.1

Indoor	Outdoor temp. (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.06	1.31	3.80	1.40	4.54	1.49	5.28	1.58	6.16	1.69	6.75	1.76
18.0	3.03	1.37	3.77	1.46	4.51	1.55	5.24	1.65	6.13	1.75	6.72	1.83
20.0	3.00	1.44	3.74	1.53	4.48	1.62	5.21	1.71	6.10	1.82	6.69	1.89
21.0	2.98	1.47	3.72	1.56	4.46	1.65	5.20	1.74	6.08	1.85	6.68	1.93
22.0	2.97	1.50	3.71	1.59	4.45	1.69	5.18	1.78	6.07	1.89	6.66	1.96
24.0	2.94	1.57	3.68	1.66	4.42	1.75	5.15	1.84	6.04	1.95	6.63	2.02

3D079441A

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: 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

FDXS25F + RXS25K

Cooling **50Hz 230V**

AFR	8.7
BF	0.17

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	2.46	1.94	0.53	2.35	1.89	0.58	2.24	1.83	0.63	2.19	1.81	0.65	2.12	1.78	0.68	2.01	1.73	0.73
16.0	22	2.57	1.91	0.53	2.46	1.86	0.58	2.35	1.81	0.63	2.30	1.79	0.65	2.23	1.76	0.69	2.12	1.71	0.74
18.0	25	2.68	2.01	0.54	2.57	1.97	0.59	2.46	1.92	0.64	2.41	1.90	0.66	2.34	1.88	0.69	2.23	1.83	0.74
19.0	27	2.74	2.14	0.54	2.62	2.10	0.59	2.51	2.05	0.64	2.47	2.03	0.66	2.40	2.01	0.69	2.29	1.96	0.74
22.0	30	2.90	2.07	0.54	2.79	2.03	0.59	2.68	1.99	0.64	2.63	1.98	0.66	2.57	1.95	0.69	2.45	1.91	0.75
24.0	32	3.01	2.02	0.54	2.90	1.99	0.60	2.79	1.95	0.65	2.74	1.94	0.67	2.68	1.91	0.70	2.56	1.88	0.75

Heating **50Hz 230V**

AFR	8.7

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.15	0.77	2.52	0.81	2.88	0.84	3.31	0.89	3.60	0.92
20.0	2.04	0.79	2.41	0.83	2.77	0.87	3.20	0.91	3.49	0.94
22.0	2.00	0.80	2.36	0.84	2.72	0.87	3.16	0.92	3.44	0.95
24.0	1.96	0.81	2.32	0.84	2.68	0.88	3.11	0.93	3.40	0.96
25.0	1.93	0.81	2.29	0.85	2.66	0.89	3.09	0.93	3.38	0.96
27.0	1.89	0.82	2.25	0.86	2.61	0.89	3.05	0.94	3.33	0.97

3D081498

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

FDXS35F + RXS35K

Cooling **50Hz 230V**

AFR	8.7
BF	0.17

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	3.48	2.46	0.84	3.33	2.38	0.92	3.17	2.30	1.00	3.10	2.26	1.03	3.01	2.21	1.08	2.85	2.13	1.16
16.0	22	3.64	2.42	0.84	3.48	2.34	0.92	3.32	2.26	1.00	3.26	2.23	1.03	3.17	2.19	1.08	3.01	2.11	1.16
18.0	25	3.80	2.51	0.85	3.64	2.44	0.93	3.48	2.37	1.01	3.42	2.34	1.04	3.32	2.30	1.09	3.16	2.23	1.17
19.0	27	3.87	2.63	0.85	3.72	2.56	0.93	3.56	2.49	1.01	3.49	2.46	1.04	3.40	2.42	1.09	3.24	2.35	1.17
22.0	30	4.11	2.53	0.86	3.95	2.47	0.94	3.79	2.40	1.02	3.73	2.38	1.05	3.63	2.34	1.10	3.48	2.28	1.18
24.0	32	4.27	2.46	0.86	4.11	2.40	0.94	3.95	2.34	1.02	3.89	2.32	1.05	3.79	2.29	1.10	3.63	2.23	1.18

Heating **50Hz 230V**

AFR	8.7

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	1.00	3.14	1.05	3.60	1.10	4.14	1.15	4.50	1.19
20.0	2.55	1.02	3.01	1.07	3.46	1.12	4.00	1.18	4.36	1.22
22.0	2.50	1.04	2.95	1.08	3.40	1.13	3.94	1.19	4.31	1.23
24.0	2.44	1.05	2.90	1.09	3.35	1.14	3.89	1.20	4.25	1.24
25.0	2.42	1.05	2.87	1.10	3.32	1.15	3.86	1.21	4.22	1.25
27.0	2.36	1.06	2.81	1.11	3.26	1.16	3.81	1.22	4.17	1.26

3D081325

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

FDXS50F + RXS50K

Cooling **50Hz 220-240V**

AFR	12.0
BF	0.11

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	3.92	2.76	1.13	3.92	2.76	1.29	3.92	2.76	1.44	3.92	2.76	1.50	3.92	2.76	1.59	3.92	2.76	1.74
16.0	22	4.81	3.08	1.22	4.81	3.08	1.37	4.81	3.08	1.51	4.79	3.07	1.57	4.65	3.00	1.64	4.42	2.88	1.76
18.0	25	5.58	3.47	1.28	5.35	3.35	1.40	5.12	3.23	1.52	5.02	3.18	1.57	4.88	3.11	1.65	4.65	3.00	1.77
19.0	27	5.70	3.59	1.28	5.47	3.47	1.41	5.23	3.36	1.53	5.14	3.31	1.58	5.00	3.24	1.65	4.77	3.13	1.77
22.0	30	6.04	3.44	1.30	5.81	3.33	1.42	5.58	3.23	1.54	5.49	3.19	1.59	5.35	3.13	1.66	5.11	3.03	1.78
24.0	32	6.27	3.32	1.30	6.04	3.23	1.42	5.81	3.13	1.55	5.72	3.10	1.60	5.58	3.04	1.67	5.34	2.95	1.79

Heating **50Hz 220-240V**

AFR	12.0

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.62	4.56	1.70	5.21	1.78	6.00	1.88	6.52	1.94
20.0	3.70	1.67	4.36	1.75	5.01	1.83	5.80	1.92	6.32	1.98
22.0	3.62	1.68	4.28	1.76	4.93	1.84	5.72	1.94	6.24	2.00
24.0	3.54	1.70	4.20	1.78	4.85	1.86	5.64	1.95	6.16	2.02
25.0	3.50	1.71	4.16	1.79	4.81	1.87	5.60	1.96	6.12	2.03
27.0	3.42	1.73	4.08	1.81	4.73	1.89	5.52	1.98	6.04	2.04

3D081324

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: 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

FFQ25C + RXS25K

Cooling **50Hz 220-240V**

AFR	9
BF	0.24

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
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20,00	2,56	1,95	0,43	2,44	1,89	0,47	2,33	1,84	0,51	2,28	1,81	0,53	2,21	1,78	0,55	2,1	1,72	0,6
16	22,00	2,68	1,92	0,43	2,56	1,86	0,48	2,44	1,81	0,51	2,4	1,79	0,53	2,33	1,76	0,56	2,21	1,71	0,6
18	25,00	2,79	2,01	0,44	2,68	1,96	0,48	2,56	1,92	0,51	2,51	1,9	0,54	2,44	1,87	0,56	2,33	1,82	0,6
19	27,00	2,85	2,13	0,44	2,73	2,08	0,48	2,62	2,04	0,52	2,57	2,02	0,54	2,5	1,99	0,56	2,38	1,94	0,6
22	30,00	3,02	2,06	0,44	2,91	2,02	0,49	2,79	1,97	0,52	2,74	1,96	0,54	2,67	1,93	0,56	2,56	1,89	0,61
24	32,00	3,14	2,01	0,45	3,02	1,97	0,49	2,9	1,93	0,52	2,86	1,91	0,55	2,79	1,89	0,57	2,67	1,85	0,61

Heating **50Hz 220-240V**

AFR	9

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,15	0,71	2,52	0,75	2,88	0,78	3,31	0,82	3,60	0,85
20,0	2,04	0,73	2,41	0,77	2,77	0,79	3,20	0,84	3,49	0,87
22,0	2,00	0,74	2,36	0,77	2,72	0,80	3,16	0,85	3,44	0,88
24,0	1,96	0,75	2,32	0,78	2,68	0,81	3,11	0,86	3,40	0,89
25,0	1,93	0,75	2,29	0,79	2,66	0,82	3,09	0,86	3,38	0,89
27,0	1,89	0,76	2,25	0,80	2,61	0,82	3,05	0,87	3,33	0,90

3D082542

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:
   Corresponding refrigerant piping length: 5.0m
   Level difference: 0m

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ35C + RXS35K

Cooling **50Hz 220-240V**

AFR	10
BF	0.25

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	3,48	2,48	0,70	3,33	2,40	0,78	3,17	2,32	0,84	3,10	2,29	0,87	3,01	2,24	0,91	2,85	2,16	0,98
16,0	22	3,64	2,44	0,71	3,48	2,36	0,78	3,32	2,28	0,84	3,26	2,25	0,87	3,17	2,21	0,91	3,01	2,13	0,98
18,0	25	3,80	2,54	0,71	3,64	2,46	0,78	3,48	2,39	0,85	3,42	2,36	0,88	3,32	2,32	0,92	3,16	2,25	0,99
19,0	27	3,87	2,66	0,72	3,72	2,59	0,79	3,56	2,52	0,85	3,49	2,49	0,88	3,40	2,45	0,92	3,24	2,39	0,99
22,0	30	4,11	2,56	0,72	3,95	2,50	0,79	3,79	2,44	0,86	3,73	2,41	0,89	3,63	2,38	0,93	3,48	2,32	1,00
24,0	32	4,27	2,49	0,73	4,11	2,43	0,80	3,95	2,37	0,86	3,89	2,35	0,89	3,79	2,32	0,93	3,63	2,26	1,00

Heating **50Hz 220-240V**

AFR	10

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,82	1,04	3,30	1,09	3,78	1,14	4,35	1,20	4,73	1,24
20,0	2,68	1,07	3,16	1,12	3,63	1,17	4,20	1,23	4,58	1,27
22,0	2,63	1,08	3,10	1,13	3,57	1,18	4,14	1,24	4,53	1,28
24,0	2,56	1,09	3,05	1,14	3,52	1,19	4,08	1,25	4,46	1,29
25,0	2,54	1,10	3,01	1,15	3,49	1,20	4,05	1,26	4,43	1,30
27,0	2,48	1,11	2,95	1,16	3,42	1,21	4,00	1,27	4,38	1,31

3D082543

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:
   Corresponding refrigerant piping length: 5.0m
   Level difference: 0m

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ50C + RXS50K

Cooling **50Hz 220-240V**

AFR	12
BF	0.16

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	5,06	3,73	1,26	4,90	3,66	1,34	4,74	3,59	1,42	4,68	3,55	1,46	4,59	3,51	1,51	4,43	3,44	1,59
16,0	22	5,23	3,77	1,28	5,07	3,69	1,36	4,91	3,62	1,45	4,85	3,60	1,47	4,76	3,54	1,53	4,60	3,47	1,61
18,0	25	5,39	3,81	1,30	5,23	3,73	1,39	5,07	3,66	1,46	5,01	3,63	1,50	4,91	3,59	1,55	4,76	3,51	1,63
19,0	27	5,48	3,82	1,32	5,32	3,74	1,40	5,16	3,67	1,48	5,10	3,65	1,51	5,00	3,60	1,56	4,84	3,52	1,65
22,0	30	5,72	3,88	1,34	5,56	3,81	1,43	5,40	3,73	1,51	5,34	3,70	1,54	5,24	3,66	1,59	5,09	3,59	1,67
24,0	32	5,89	3,91	1,37	5,73	3,84	1,46	5,57	3,77	1,53	5,51	3,73	1,57	5,41	3,69	1,62	5,26	3,62	1,70

Heating **50Hz 220-240V**

AFR	12

Indoor	Outdoor temp. (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16,0	2,91	1,19	3,62	1,28	4,31	1,36	5,02	1,44	5,86	1,54	6,42	1,61
18,0	2,88	1,25	3,59	1,34	4,28	1,41	4,99	1,50	5,83	1,60	6,39	1,67
20,0	2,85	1,31	3,55	1,40	4,26	1,47	4,96	1,56	5,80	1,66	6,36	1,73
21,0	2,84	1,34	3,54	1,42	4,24	1,51	4,95	1,59	5,79	1,69	6,35	1,75
22,0	2,83	1,37	3,52	1,46	4,23	1,53	4,92	1,62	5,77	1,72	6,33	1,79
24,0	2,79	1,43	3,50	1,52	4,20	1,60	4,90	1,68	5,75	1,78	6,31	1,85

3D082544

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:
   Corresponding refrigerant piping length: 5.0m
   Level difference: 0m

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ35C + RXS35K

Cooling **220-240V 50Hz**

AFR	14
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	3.48	2.76	0.73	3.33	2.69	0.80	3.17	2.61	0.87	3.10	2.58	0.90	3.01	2.54	0.94	2.85	2.47	1.01
16.0	22	3.64	2.72	0.73	3.48	2.65	0.81	3.32	2.58	0.88	3.26	2.55	0.90	3.17	2.51	0.94	3.01	2.44	1.01
18.0	25	3.80	2.87	0.73	3.64	2.81	0.81	3.48	2.74	0.88	3.42	2.72	0.90	3.32	2.68	0.95	3.16	2.61	1.02
19.0	27	3.87	3.05	0.74	3.72	2.99	0.81	3.56	2.93	0.88	3.49	2.90	0.90	3.40	2.87	0.95	3.24	2.80	1.02
22.0	30	4.11	2.95	0.74	3.95	2.90	0.81	3.79	2.84	0.89	3.73	2.82	0.91	3.63	2.79	0.96	3.48	2.73	1.02
24.0	32	4.27	2.88	0.75	4.11	2.83	0.82	3.95	2.78	0.89	3.89	2.76	0.11	3.79	2.73	0.96	3.63	2.68	1.03

Heating **220-240V 50Hz**

AFR	14

Indoor	Outdoor temperature (°CDB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	0.86	3.14	0.89	3.60	0.94	4.14	0.98	4.50	1.02
20.0	2.55	0.87	3.01	0.92	3.46	0.96	4.00	1.01	4.36	1.05
22.0	2.50	0.88	2.95	0.93	3.40	0.97	3.94	1.02	4.31	1.06
24.0	2.44	0.89	2.90	0.94	3.35	0.98	3.89	1.03	4.25	1.06
25.0	2.42	0.90	2.87	0.94	3.32	0.98	3.86	1.04	4.22	1.06
27.0	2.36	0.91	2.81	0.95	3.26	0.99	3.81	1.05	4.17	1.07

3D080354

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

FHQ50C + RXS50K

Cooling **220-240V 50Hz**

AFR	15
BF	0.18

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	5.06	3.63	1.27	4.91	3.56	1.36	4.76	3.49	1.43	4.70	3.46	1.47	4.61	3.42	1.52	4.46	3.35	1.60
16.0	22	5.22	3.66	1.30	5.07	3.59	1.37	4.92	3.52	1.46	4.86	3.49	1.48	4.77	3.45	1.54	4.62	3.38	1.62
18.0	25	5.37	3.69	1.31	5.22	3.62	1.40	5.07	3.55	1.48	5.01	3.53	1.51	4.92	3.48	1.56	4.77	3.41	1.64
19.0	27	5.45	3.71	1.33	5.30	3.64	1.41	5.15	3.57	1.49	5.09	3.54	1.52	5.00	3.50	**1.57**	4.85	3.43	1.66
22.0	30	5.68	3.76	1.36	5.53	3.69	1.44	5.38	3.62	1.52	5.32	3.59	1.55	5.23	3.55	1.60	5.08	3.48	1.68
24.0	32	5.84	3.80	1.38	5.69	3.73	1.47	5.54	3.66	1.54	5.48	3.63	1.58	5.39	3.59	1.63	5.24	3.52	1.71

Heating **220-240V 50Hz**

AFR	15

Indoor	Outdoor temperature (°CDB)											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.01	1.28	3.74	1.28	4.46	1.37	5.19	1.55	6.06	1.66	6.64	1.73
18.0	2.98	1.35	3.71	1.35	4.43	1.44	5.16	1.62	6.03	1.73	6.61	1.80
20.0	2.95	1.41	3.68	1.41	4.40	1.50	5.13	1.69	6.00	**1.79**	6.58	1.86
21.0	2.94	1.45	3.66	1.45	4.39	1.54	5.11	1.71	5.99	1.82	6.57	1.89
22.0	2.92	1.48	3.65	1.48	4.37	1.57	5.10	1.75	5.97	1.85	6.55	1.93
24.0	2.89	1.55	3.62	1.55	4.34	1.63	5.07	1.81	5.94	1.92	6.52	1.99

3D080355

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

FBQ35C8+RXS35K

Cooling **50Hz 220-240V**

AFR	16
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	3.48	3.12	0.81	3.33	3.04	0.89	3.17	2.97	0.97	3.10	2.94	1.00	3.01	2.90	1.04	2.85	2.83	1.12
16.0	22	3.64	3.07	0.81	3.48	3.00	0.89	3.32	2.93	0.97	3.26	2.91	1.00	3.17	2.87	1.05	3.01	2.80	1.13
18.0	25	3.80	3.29	0.82	3.64	3.22	0.90	3.48	3.16	0.98	3.42	3.14	1.01	3.32	3.10	1.05	3.16	3.04	1.13
19.0	27	3.87	3.53	0.82	3.72	3.47	0.90	3.56	3.41	0.98	3.49	3.39	1.01	3.40	3.35	1.06	3.24	3.30	1.13
22.0	30	4.11	3.43	0.83	3.95	3.38	0.91	3.79	3.33	0.98	3.73	3.31	1.02	3.63	3.28	1.06	3.48	3.22	1.14
24.0	32	4.27	3.37	0.83	4.11	3.32	0.91	3.95	3.27	0.99	3.89	3.25	1.02	3.79	3.22	1.07	3.63	3.18	1.15

Heating **50Hz 220-240V**

AFR	16

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	0.96	3.14	1.01	3.60	1.05	4.14	1.11	4.50	1.15
20.0	2.55	0.99	3.01	1.03	3.46	1.08	4.00	1.14	4.36	1.17
22.0	2.50	1.00	2.95	1.04	3.40	1.09	3.94	1.15	4.31	1.18
24.0	2.44	1.01	2.90	1.05	3.35	1.10	3.89	1.16	4.25	1.19
25.0	2.42	1.01	2.87	1.06	3.32	1.11	3.86	1.16	4.22	1.20
27.0	2.36	1.02	2.81	1.07	3.26	1.12	3.81	1.17	4.17	1.21

3TW31272-3C

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

FBQ50C8+RXS50K

Cooling **50Hz 220-240V**

AFR	16
BF	0.16

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	5.12	3.88	1.27	4.89	3.76	1.39	4.66	3.65	1.51	4.56	3.60	1.56	4.42	3.54	1.63	4.19	3.43	1.75
16.0	22	5.35	3.81	1.27	5.12	3.70	1.40	4.89	3.60	1.52	4.79	3.55	1.57	4.65	3.49	1.64	4.42	3.39	1.76
18.0	25	5.58	4.00	1.28	5.35	3.90	1.40	5.12	3.80	1.52	5.02	3.76	1.57	4.88	3.71	1.65	4.65	3.61	1.77
19.0	27	5.70	4.23	1.28	5.47	4.13	1.41	5.23	4.04	1.53	5.14	4.00	1.58	5.00	3.95	1.65	4.77	3.85	1.77
22.0	30	6.04	4.08	1.30	5.81	4.00	1.42	5.58	3.92	1.54	5.49	3.88	1.59	5.35	3.83	1.66	5.11	3.75	1.78
24.0	32	6.27	3.98	1.30	6.04	3.90	1.42	5.81	3.83	1.55	5.72	3.80	1.60	5.58	3.75	1.67	5.34	3.68	1.79

Heating **50Hz 220-240V**

AFR	16

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.70	1.36	4.32	1.43	4.94	1.50	5.69	1.58	6.19	1.63
20.0	3.51	1.40	4.13	1.47	4.75	1.53	5.50	1.61	6.00	1.67
22.0	3.44	1.41	4.06	1.48	4.68	1.55	5.42	1.63	5.92	1.68
24.0	3.36	1.43	3.98	1.50	4.60	1.56	5.35	1.64	5.84	1.70
25.0	3.32	1.44	3.94	1.50	4.56	1.57	5.31	1.65	5.81	1.70
27.0	3.25	1.45	3.87	1.52	4.49	1.58	5.23	1.66	5.73	1.72

3TW31282-3B

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

FCQG35F + RXS35K

Cooling **220-240V 50Hz**

AFR	12.5
BF	0.40

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	3,48	2,49	0,73	3,33	2,40	0,80	3,17	2,32	0,87	3,10	2,29	0,90	3,01	2,24	0,94	2,85	2,16	1,01
16,0	22	3,64	2,44	0,73	3,48	2,37	0,80	3,32	2,29	0,87	3,26	2,26	0,90	3,17	2,21	0,94	3,01	2,14	1,01
18,0	25	3,80	2,54	0,74	3,64	2,47	0,81	3,48	2,40	0,88	3,42	2,37	0,91	3,32	2,33	0,95	3,16	2,26	1,02
19,0	27	3,87	2,67	0,74	3,72	2,60	0,81	3,56	2,53	0,88	3,49	2,50	0,91	3,40	2,46	0,95	3,24	2,39	1,02
22,0	30	4,11	2,57	0,75	3,95	2,50	0,82	3,79	2,44	0,89	3,73	2,42	0,91	3,63	2,38	0,96	3,48	2,32	1,03
24,0	32	4,27	2,49	0,75	4,11	2,44	0,82	3,95	2,38	0,89	3,89	2,36	0,92	3,79	2,33	0,96	3,63	2,27	1,03

Heating **220-240V 50Hz**

AFR	12.5

Indoor	outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,83	1,04	3,30	1,09	3,78	1,14	4,34	1,20	4,72	1,24
20,0	2,68	1,07	3,16	1,12	3,63	1,17	4,20	1,23	4,58	1,27
22,0	2,62	1,08	3,10	1,13	3,57	1,18	4,14	1,24	4,52	1,28
24,0	2,57	1,09	3,04	1,14	3,51	1,19	4,08	1,25	4,46	1,29
25,0	2,54	1,10	3,01	1,15	3,49	1,20	4,06	1,26	4,43	1,30
27,0	2,48	1,11	2,95	1,16	3,43	1,21	4,00	1,27	4,38	1,31

3D077470A

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. 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.)
3. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5.0m
   (2) Level difference: 0m

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG50F + RXS50K

Cooling **220-240V 50Hz**

AFR	12.6
BF	0.22

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	5,12	3,56	1,08	4,89	3,43	1,19	4,66	3,31	1,29	4,56	3,26	1,33	4,42	3,18	1,39	4,19	3,06	1,50
16,0	22	5,35	3,49	1,09	5,12	3,37	1,19	4,89	3,26	1,30	4,79	3,21	1,34	4,65	3,14	1,40	4,42	3,03	1,50
18,0	25	5,58	3,62	1,09	5,35	3,50	1,20	5,12	3,40	1,30	5,02	3,35	1,34	4,88	3,29	1,41	4,65	3,18	1,51
19,0	27	5,70	3,77	1,10	5,47	3,67	1,20	5,23	3,56	1,31	5,14	3,52	1,35	5,00	3,46	1,41	4,77	3,35	1,51
22,0	30	6,04	3,62	1,11	5,81	3,53	1,21	5,58	3,44	1,32	5,49	3,40	1,36	5,35	3,34	1,42	5,11	3,25	1,52
24,0	32	6,27	3,52	1,11	6,04	3,43	1,22	5,81	3,34	1,32	5,72	3,31	1,36	5,58	3,26	1,43	5,34	3,18	1,53

Heating **220-240V 50Hz**

AFR	12.5

Indoor	outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	4,04	1,37	4,72	1,44	5,39	1,50	6,21	1,58	6,75	1,64
20,0	3,83	1,41	4,51	1,47	5,19	1,54	6,00	1,62	6,54	1,67
22,0	3,75	1,42	4,43	1,49	5,10	1,55	5,92	1,63	6,46	1,69
24,0	3,67	1,44	4,34	1,50	5,02	1,57	5,83	1,65	6,38	1,70
25,0	3,62	1,44	4,30	1,51	4,98	1,58	5,79	1,66	6,33	1,71
27,0	3,54	1,46	4,22	1,52	4,90	1,59	5,71	1,67	5,97	1,71

3D077499A

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)

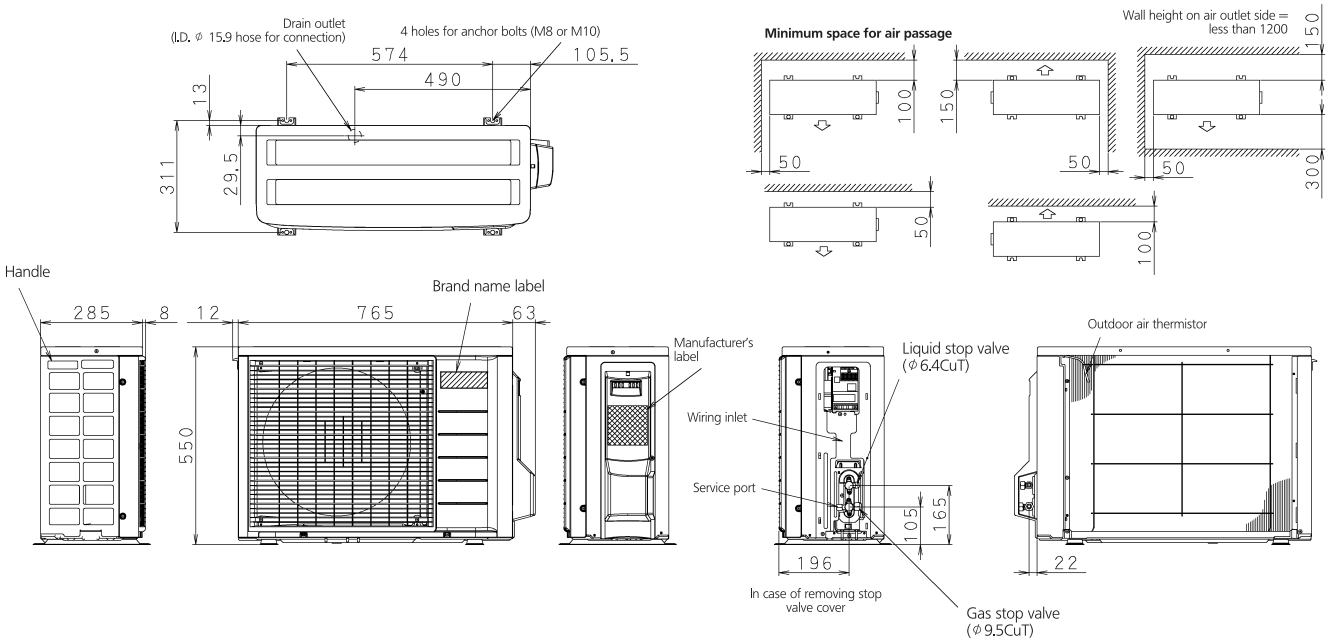
NOTES

1. ☐ shows nominal (rated) capacities and power input.
2. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5.0m
   (2) Level difference: 0m

5 Dimensional drawings

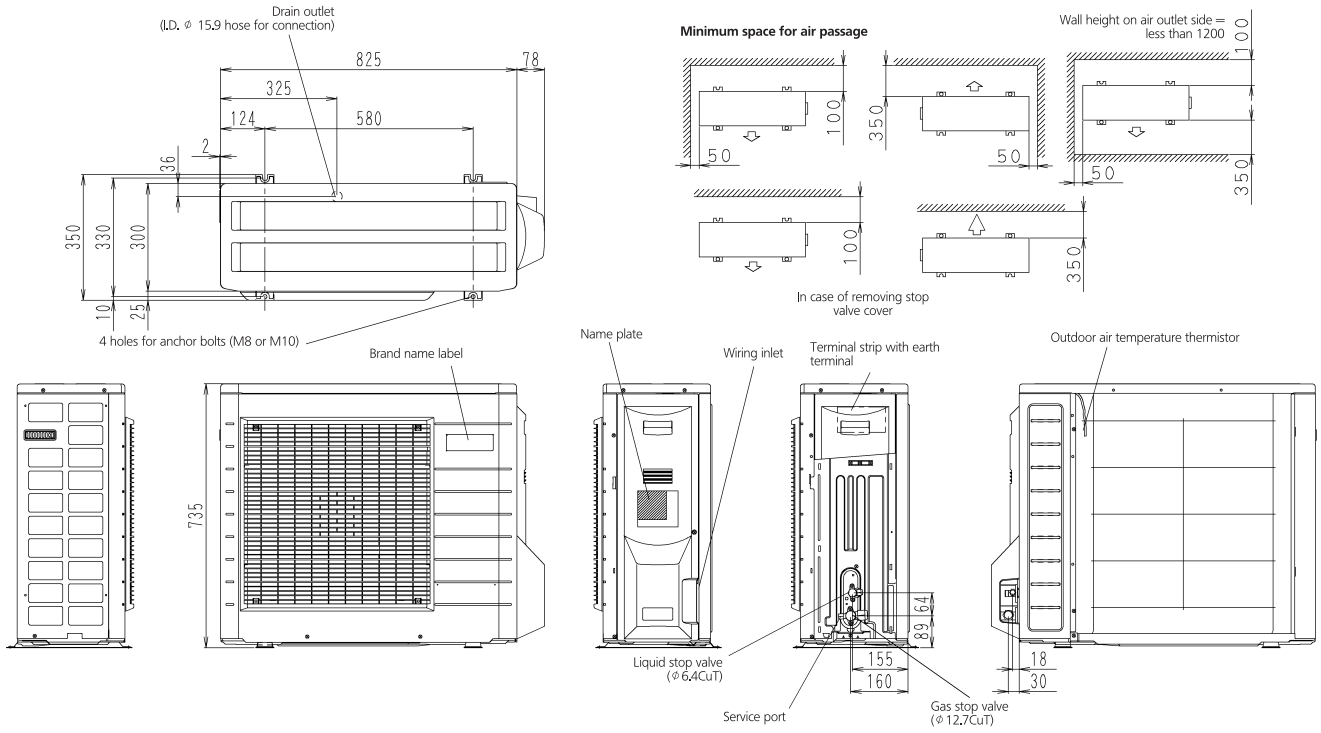
5 - 1 Dimensional Drawings

RXS20-42K



3D055546G

RXS50K

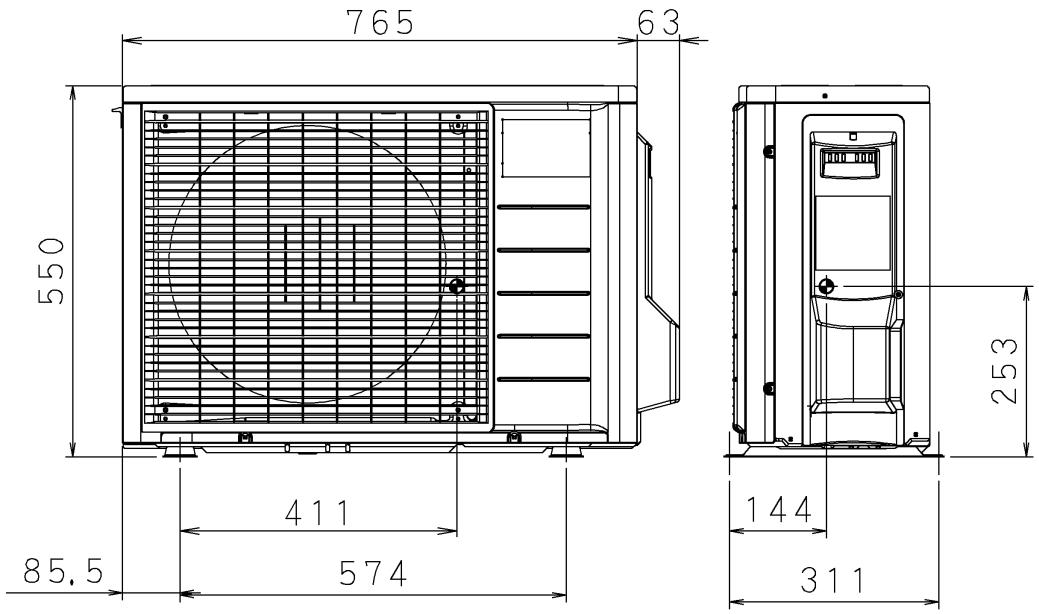


3D051657S

6 Centre of gravity

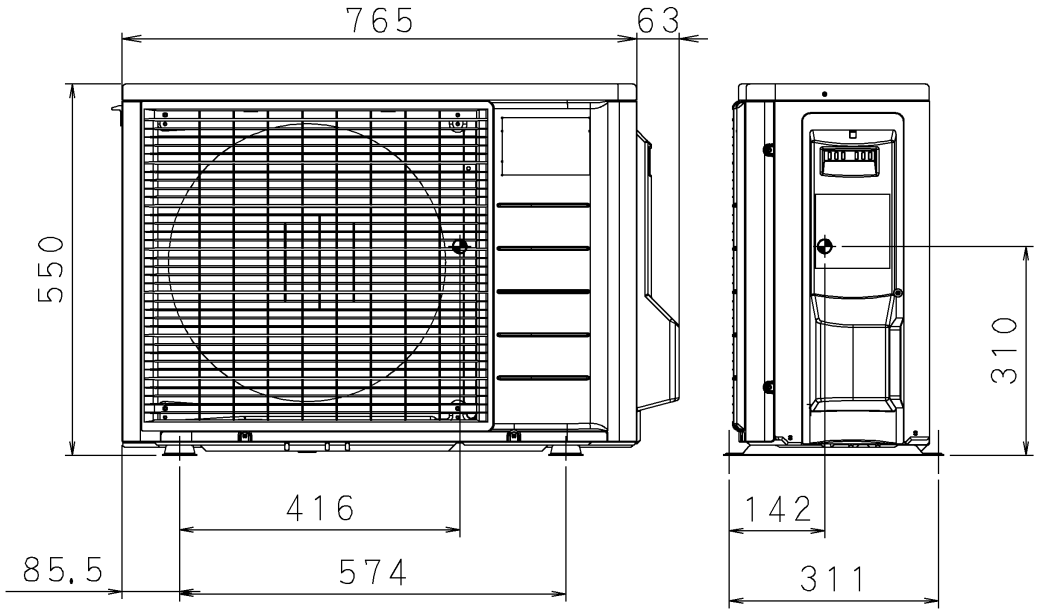
6 - 1 Centre of Gravity

RXS20-35K



4D080609

RXS42K

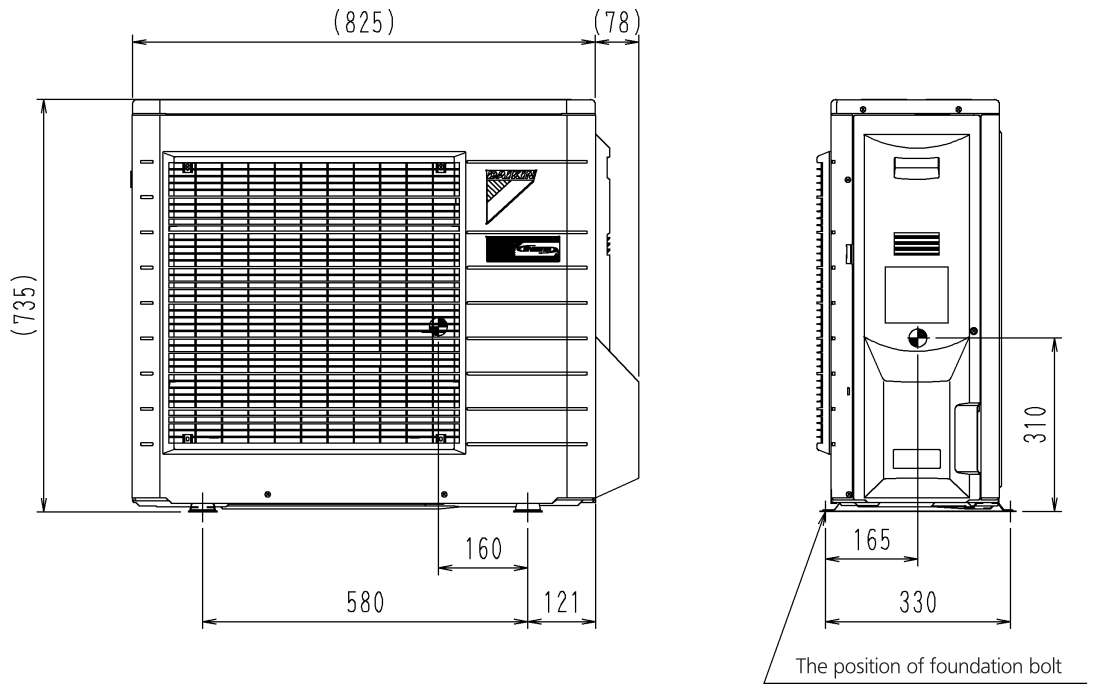


4D059009K

6 Centre of gravity

6 - 1 Centre of Gravity

RXS50K

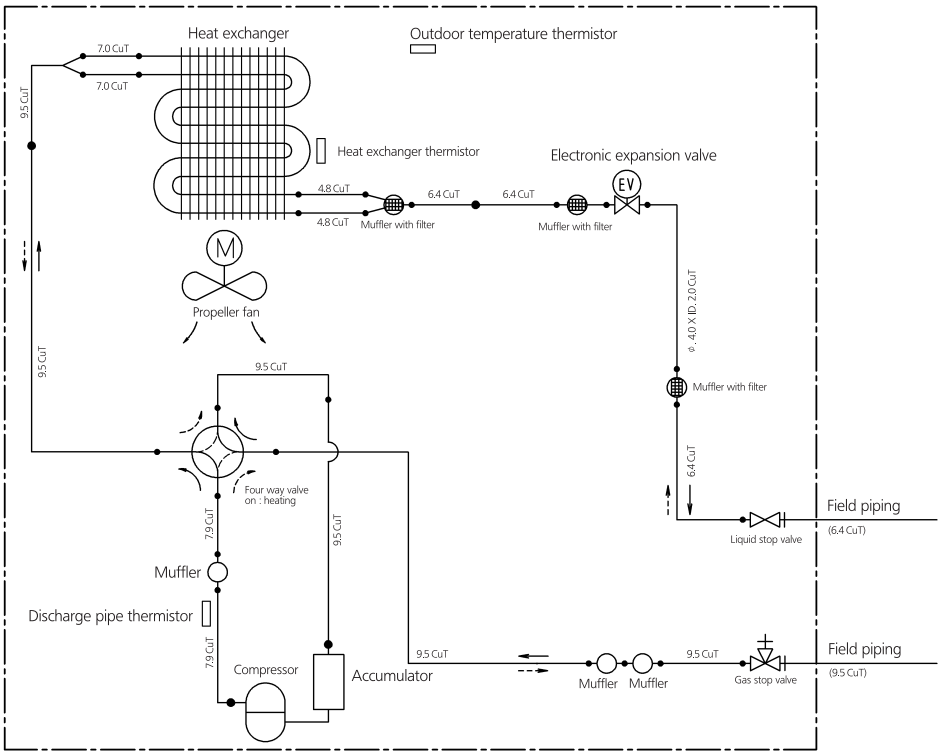


4D080604

7 Piping diagrams

7 - 1 Piping Diagrams

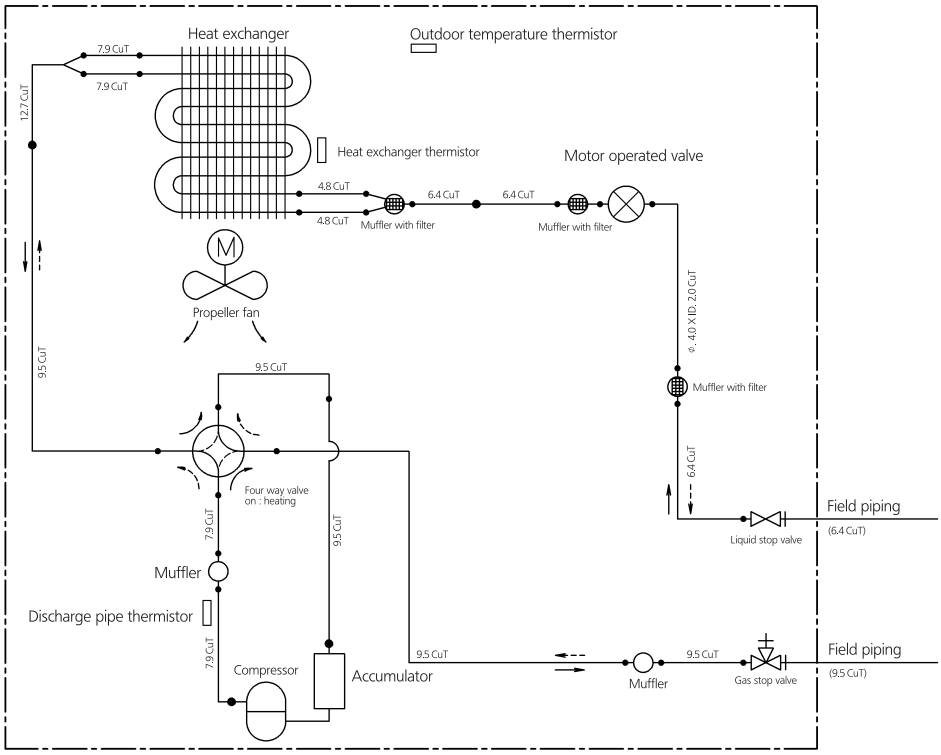
RXS20-35K



Refrigerant flow
Cooling
Heating

3D059586Q

RXS42K



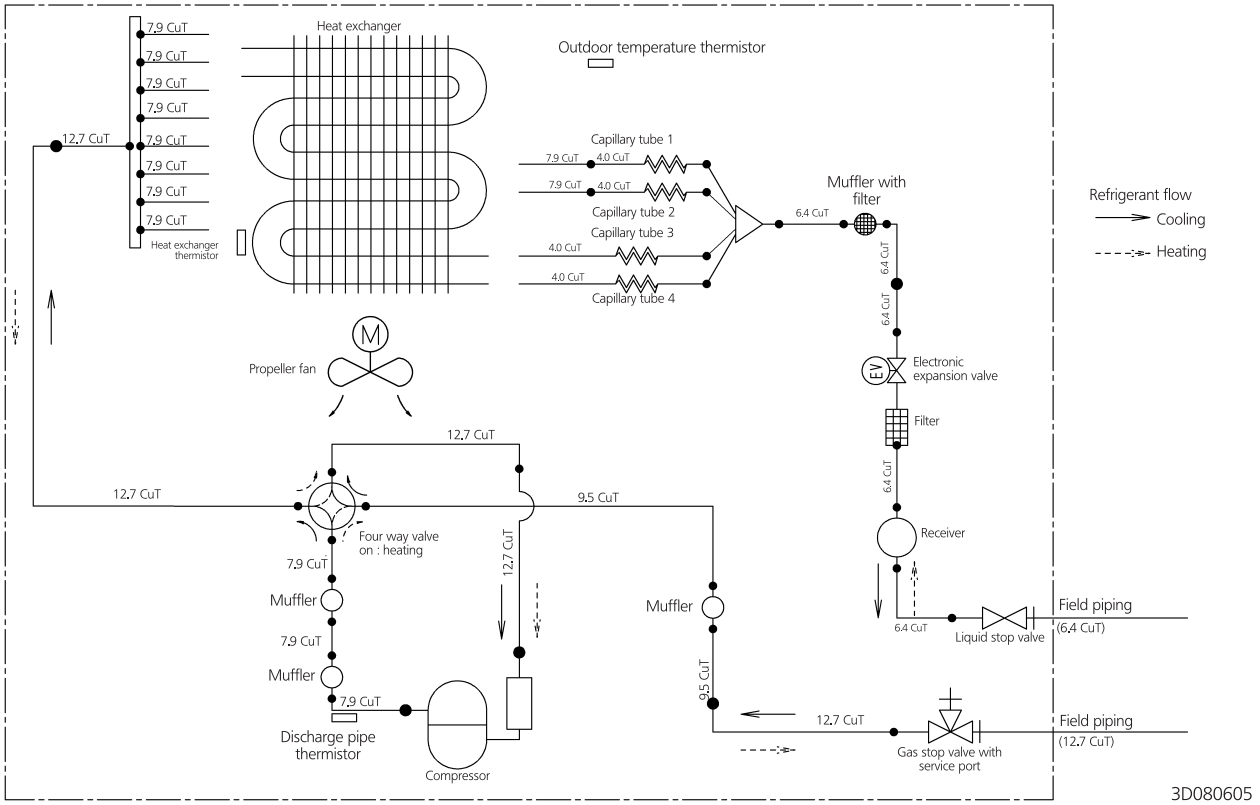
Refrigerant flow
Cooling
Heating

3D059590D

7 Piping diagrams

7 - 1 Piping Diagrams

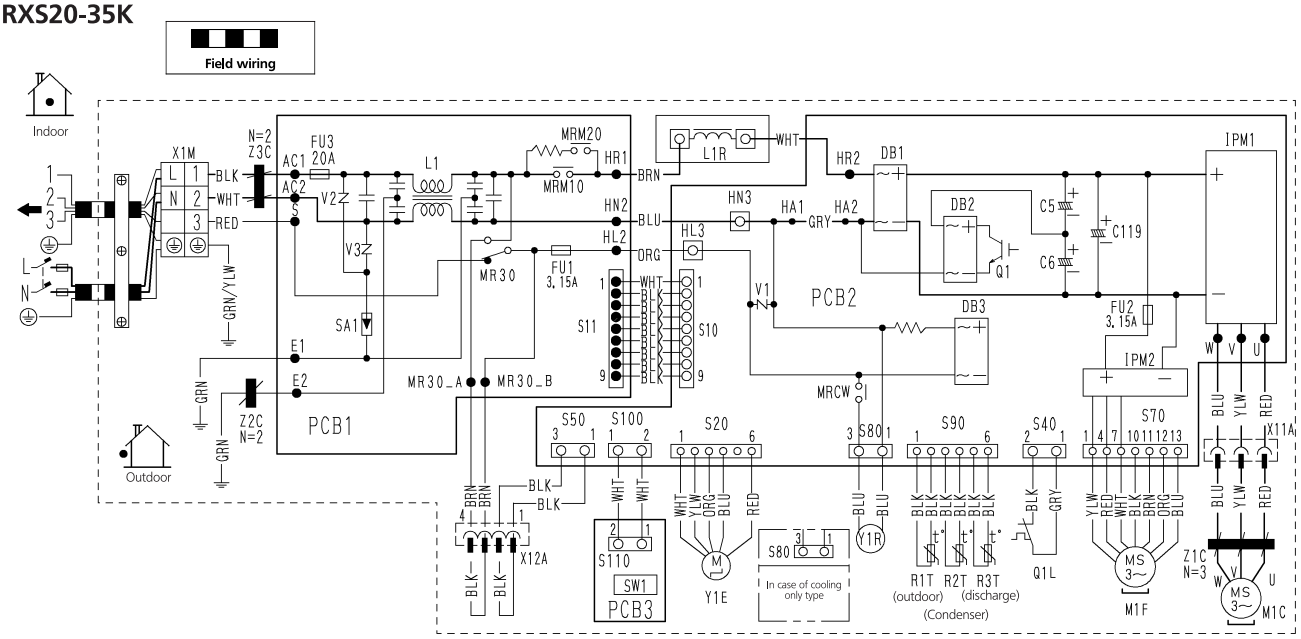
RXS50K



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS20-35K

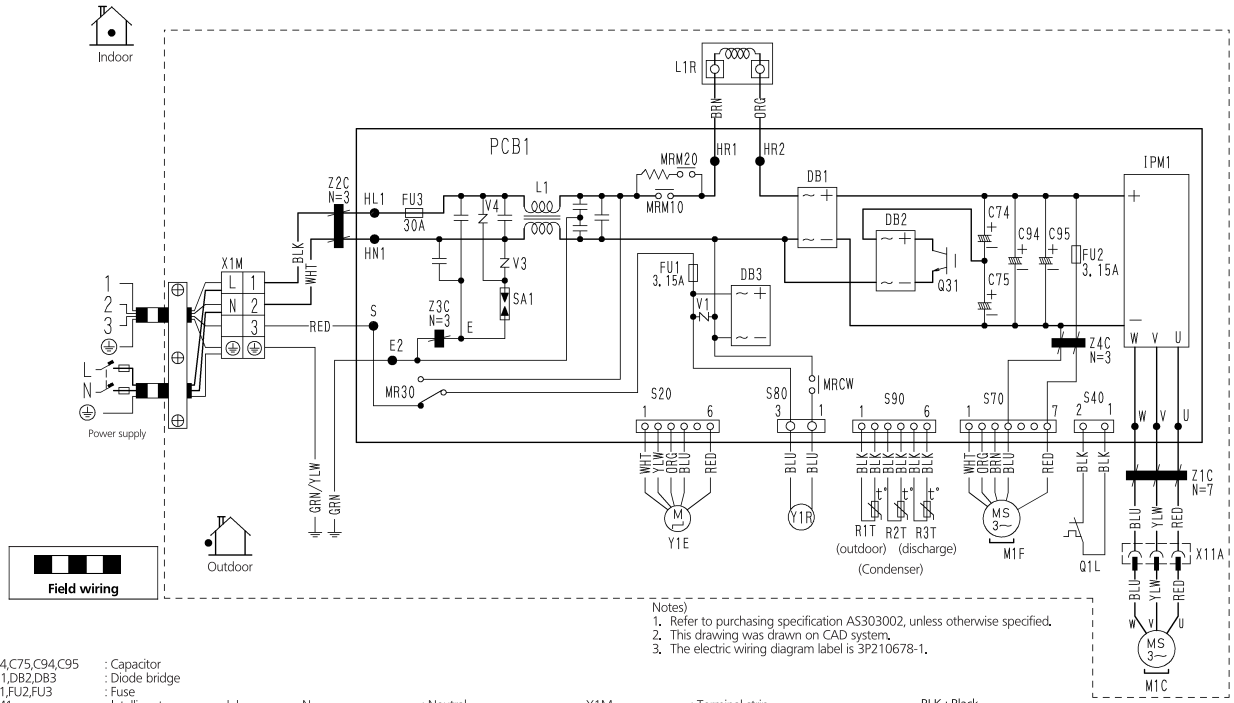


Notes)
1. Size: Length 105 X Width 185.
2. Refer to purchasing specification AS(Y)303002, unless otherwise specified.
3. This drawing was drawn on CAD system.
4. Refer to the nameplate for the power requirements.

C5,C6,C119	: Capacitor				
DB1,DB2,DB3	: Diode bridge				
FU1,FU2,FU3	: Fuse				
IPM1,IPM2	: Intelligent power module	N	: Neutral	SA1	: Surge arrester
L	: Live	Q1L	: Overload protector	SW1	: Forced operation switch
L1	: Coil	PCB1,PCB2,PCB3	: Printed circuit board	V1,V2,V3	: Varistor
L1R	: Reactor	S10,S11,S20,S40		X1M	: Terminal strip
M1C	: Compressor motor	S50,S70,S80,S90		Y1E	: Electronic expansion valve coil
M1F	: Fan motor	S100,S110,HL3		Y1R	: Reversing solenoide valve coil
MRCW,MR30,		HN3,X11A,X12A	: Connector	Z1C,Z2C,Z3C	: Ferrite core
MRM10,MRM20	: Magnetic relay	R1T,R2T,R3T	: Thermistor	⏚	: Protective earth

3D065704E

RXS42K



Notes)
1. Refer to purchasing specification AS303002, unless otherwise specified.
2. This drawing was drawn on CAD system.
3. The electric wiring diagram label is 3P210678-1.

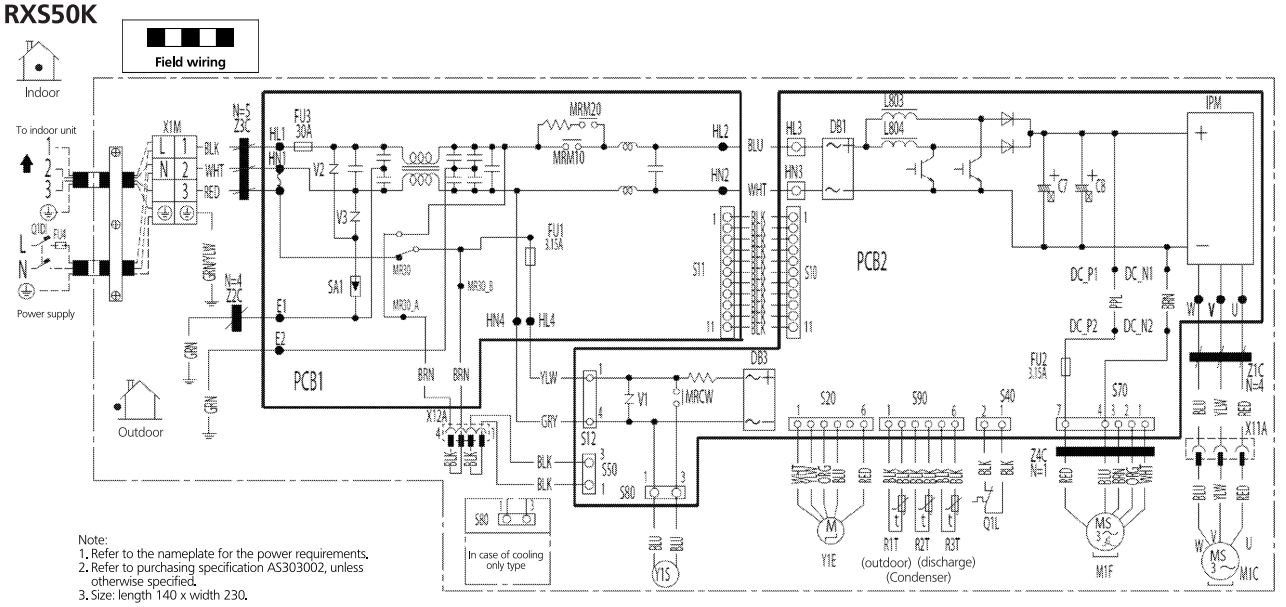
C74,C75,C94,C95	: Capacitor						
DB1,DB2,DB3	: Diode bridge						
FU1,FU2,FU3	: Fuse						
IPM1	: Intelligent power module	N	: Neutral	X1M	: Terminal strip	BLK : Black	
L	: Live	PCB1	: Printed circuit board	Y1E	: Electronic expansion valve coil	BLU : Blue	
L1	: Coil	Q1L	: Overload protector	Y1R	: Reversing solenoide valve coil	BRN : Brown	
L1R	: Reactor	R1T–R3T	: Thermistor	Z1C,Z2C,Z3C,Z4C	: Ferrite core	GRN : Green	
M1C	: Compressor motor	SA1	: Surge arrester	⏚	: Protective earth	ORG : Orange	
M1F	: Fan motor	Q31	: IGBT	S20,S40,S70		RED : Red	
MRCW,MRM10,		V1,V3,V4	: Varistor	,S80,S90,X11A	: Connector	WHT : White	
MRM20,MR30	: Magnetic relay					YLW : Yellow	

3D059601B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS50K



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

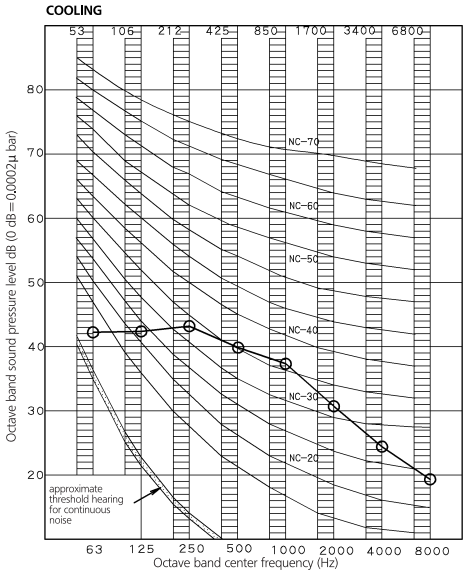
C7,C8	: Capacitor				
DB1,DB3	: Diode bridge				
FU1,FU2,FU3	: Fuse	N	: Neutral		
FU4	: Field fuse	Q1L	: Overload protector		
IPM	: Intelligent power module	Q1DI	: Earth leak detector	V1,V2,V3	: Varistor
L	: Live	PCB1,PCB2	: Printed circuit board	X1M	: Terminal strip
L803,L804	: Reactor	S10,S11,S12,S20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

3D079016

9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

RXS20-25K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	46

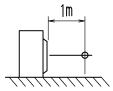
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

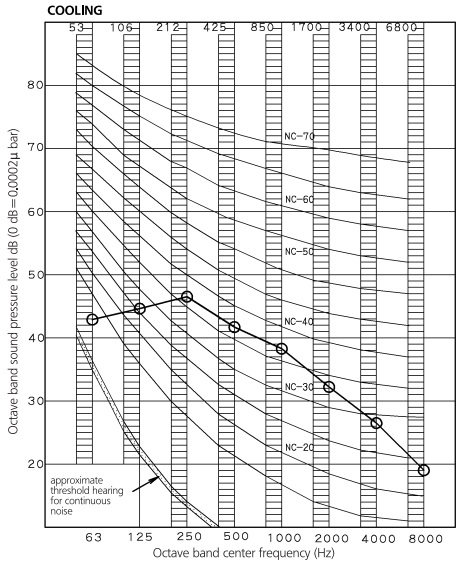
4 Operating conditions: Power source 220–240V 50Hz
○—○
Cooling

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



3D059599G

RXS35K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

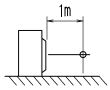
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

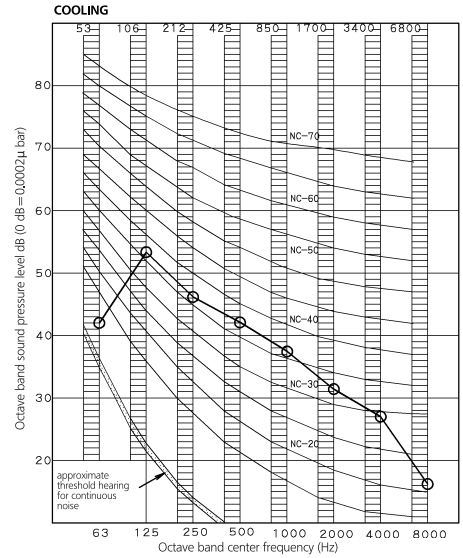
4 Operating conditions: Power source 220–240V 50Hz
○—○
Cooling

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



3D059593G

RXS42K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

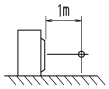
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

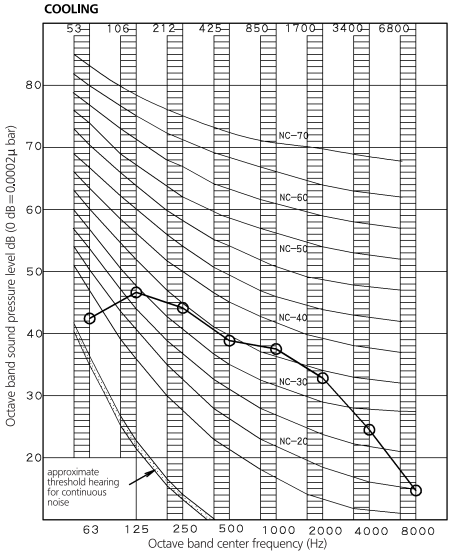
4 Operating conditions: Power source 220–240V 50Hz
○—○
Cooling

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



3D059597D

RXS50K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

(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

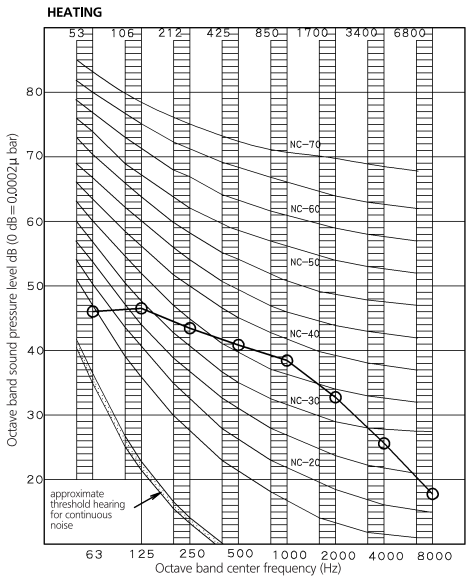
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D059740F

9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

RXS20-25K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	47

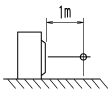
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

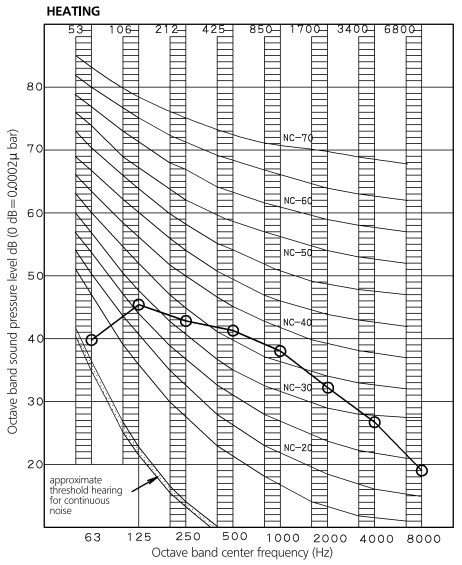
4 Operating conditions: Power source 220–240V 50Hz
○—○
Heating

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



3D059599G

RXS35K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

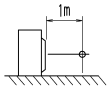
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

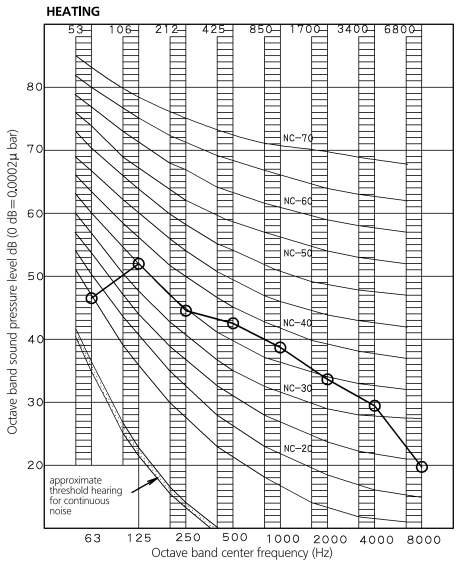
4 Operating conditions: Power source 220–240V 50Hz
○—○
Heating

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



3D059593G

RXS42K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

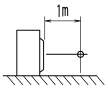
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

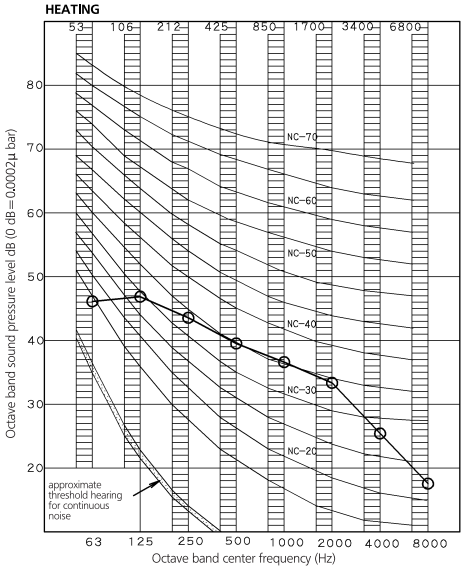
4 Operating conditions: Power source 220–240V 50Hz
○—○
Heating

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



3D059597D

RXS50K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

(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

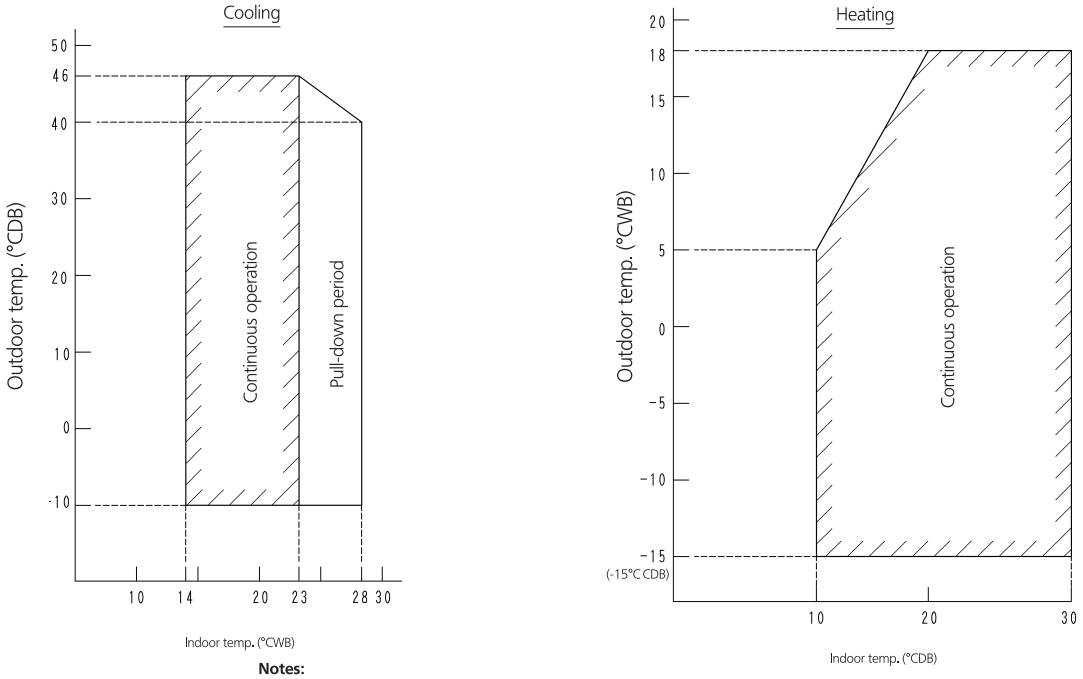
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D059740F

10 Operation range

10 - 1 Operation Range

RXS-K



Notes:
The graphs are based on the following conditions:
- Equivalent piping length 5,0 m
- Level difference 0 m
- Air flow rate high

3D028318T

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