



Air Conditioning

Technical Data



EEEDEN12-100_A

RXS-J

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RXS-J

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1 Features

- Outdoor units for pair application
- Energy efficient units: up to class A energy labels
- 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				FBQ35C8 / RXS35J	FBQ50C8 / RXS50J
Cooling capacity	Nom.		kW	3.40 (3)	5.00 (3)
Heating capacity	Nom.		kW	4.00 (4)	5.50 (4)
Power input	Cooling	Nom.	kW	1.06	1.65
	Heating	Nom.	kW	1.14	1.61
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) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

2-2 Nominal Capacity And Nominal Input				FFQ35B9V / RXS35J		FFQ50B9V / RXS50J	
Cooling capacity	Min.		kW	1.4		0.9	
			Btu/h	4,750		3,050	
			kcal/h	1,200		770	
	Nom.		kW	3.4 (3)		4.7 (3)	
			Btu/h	11,600 (3)		16,050 (3)	
			kcal/h	2,920 (3)		4,040 (3)	
	Max.		kW	3.7		5.6	
			Btu/h	12,600		19,100	
			kcal/h	3,180		4,820	
Heating capacity	Min.		kW	1.4		0.9	
			Btu/h	4,750		3,050	
			kcal/h	1,200		770	
	Nom.		kW	4.5 (4)		5.5 (4)	
			Btu/h	15,350 (4)		18,750 (4)	
			kcal/h	3,870 (4)		4,730 (4)	
	Max.		kW	5.0		7.0	
			Btu/h	17,050		23,900	
			kcal/h	4,300		6,020	
Power input	Cooling	Min.	kW	0.300		0.450	
		Nom.	kW	1,300.000		1.800	
		Max.	kW	1,470.000		2.260	
	Heating	Min.	kW	0.290		0.450	
		Nom.	kW	1.600		1.960	
		Max.	kW	1.800		2.780	
EER				2.62		2.61	
COP				2.81			
Annual energy consumption			kWh	650		900	
Energy label	Cooling			D			
	Heating			D			
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.5		12.7	
	Heat insulation			Both liquid and gas pipes			

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m
- (5) When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

2 Specifications

2-3 Nominal Capacity And Nominal Input				FCQG35F / RXS35J	FCQG50F / RXS50J
Cooling capacity	Nom.		kW	3.40 (3)	5.00 (3)
Heating capacity	Nom.		kW	4.20 (4)	6.00 (4)
Power input	Cooling	Nom.	kW	0.95	1.41
	Heating	Nom.	kW	1.23	1.62
EER				3.58	3.55
COP				3.41	3.70
Annual energy consumption			kWh	475	705
Energy label	Cooling			A	
	Heating			B	A

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

2-4 Nominal Capacity And Nominal Input				FHQ35B8 / RXS35J		FHQ50B8 / RXS50J	
Cooling capacity	Min.		kW	1.4		1.7	
			Btu/h	4,800		5,800	
			kcal/h	1,200		1,460	
	Nom.		kW	3.4 (3)		5.0 (3)	
			Btu/h	11,600 (3)		17,100 (3)	
			kcal/h	2,920 (3)		4,300 (3)	
	Max.		kW	3.7		5.6	
			Btu/h	12,600		19,100	
			kcal/h	3,180		4,820	
Heating capacity	Min.		kW	1.2		1.7	
			Btu/h	4,100		5,800	
			kcal/h	1,200		1,460	
	Nom.		kW	4.0 (4)		6.0 (4)	
			Btu/h	13,650 (4)		20,500 (4)	
			kcal/h	3,440 (4)		5,160 (4)	
	Max.		kW	5.0		7.0	
			Btu/h	17,100		23,700	
			kcal/h	4,300		6,020	
Power input	Cooling	Min.	kW	-		0.440	
		Nom.	kW	1.050		1.830	
		Max.	kW	-		2.020	
	Heating	Min.	kW	-		0.400	
		Nom.	kW	1.110		2.050	
		Max.	kW	-		2.450	
EER				3.24		2.73	
COP				3.60		2.93	
Annual energy consumption			kWh	525		915	
Energy label	Cooling		A				D
	Heating		B				D
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.5		12.7	
	Heat insulation			Both liquid and gas pipes			

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m
- (5) 220V
- (6) 230V
- (7) 240V

2 Specifications

2-5 Nominal Capacity And Nominal Input				FDXS35E / RXS35J
Cooling capacity	Nom.		kW	3.40 (3)
Heating capacity	Nom.		kW	4.00 (4)
Power input	Cooling	Nom.	kW	1.09
	Heating	Nom.	kW	1.18
EER				3.12
COP				3.39
Annual energy consumption			kWh	545
Energy label	Cooling			B
	Heating			C

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

2-6 Nominal Capacity And Nominal Input				FDXS50C / RXS50J
Cooling capacity	Nom.		kW	5.00 (3)
Heating capacity	Nom.		kW	5.80 (4)
Power input	Cooling	Nom.	kW	1.65
	Heating	Nom.	kW	1.92
EER				3.03
COP				3.02
Annual energy consumption			kWh	825
Energy label	Cooling			B
	Heating			D

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

2-7 Nominal Capacity And Nominal Input				FLXS35B / RXS35J	FLXS50B / RXS50J
Cooling capacity	Min.		kW	1.2	0.9
			Btu/h	4,100	3,070
			kcal/h	1,030	770
	Nom.		kW	3.5 (3)	4.9 (3)
			Btu/h	11,900 (3)	16,730 (3)
			kcal/h	3,010 (3)	4,210 (3)
	Max.		kW	3.8	5.3
			Btu/h	13,000	18,090
			kcal/h	3,270	4,560
Heating capacity	Min.		kW	1.4	0.9
			Btu/h	4,100	3,070
			kcal/h	1,030	770
	Nom.		kW	4.0 (4)	6.1 (4)
			Btu/h	13,600 (4)	20,830 (4)
			kcal/h	3,440 (4)	5,250 (4)
	Max.		kW	5.0	7.5
			Btu/h	17,100	25,610
			kcal/h	4,300	6,450
Power input	Cooling	Min.	kW	0.300	0.450
		Nom.	kW	1.130	1.720
		Max.	kW	1.260	1.950
	Heating	Min.	kW	0.290	0.310
		Nom.	kW	1.230	1.820
		Max.	kW	1.850	3.540
EER				3.10	2.85

2 Specifications

2-7 Nominal Capacity And Nominal Input				FLXS35B / RXS35J	FLXS50B / RXS50J
COP				3.25	3.35
Annual energy consumption			kWh	565	860
Energy label	Cooling			B	C
	Heating			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	

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m
- (5) 220V
- (6) 230V
- (7) 240V

2-8 Nominal Capacity And Nominal Input				FTXS25J / RXS25J	FTXS35J / RXS35J	FTXS42J / RXS42J	FTXS50J / RXS50J
Cooling capacity	Min.		kW	1.3	1.4	1.7	
			Btu/h	4,400	4,800	5,800	
			kcal/h	1,120	1,200	1,460	
	Nom.		kW	2.5 (3)	3.5 (3)	4.2 (3)	5.0 (3)
			Btu/h	8,500 (3)	11,900 (3)	14,300 (3)	17,100 (3)
			kcal/h	2,150 (3)	3,010 (3)		4,300 (3)
	Max.		kW	3.2	4.0	5.0	5.3
			Btu/h	10,900	13,600	17,100	18,100
			kcal/h	2,750	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	1,120	1,200	1,460	
	Nom.		kW	3.3 (4)	4.0 (4)	5.4 (4)	5.8 (4)
			Btu/h	11,600 (4)	13,600 (4)	18,400 (4)	19,800 (4)
			kcal/h	2,840 (4)	3,440 (4)		4,990 (4)
	Max.		kW	4.7	5.2	6.0	6.5
			Btu/h	16,000	17,700	20,500	22,200
			kcal/h	4,040	4,470	5,160	5,590
Power input	Cooling	Min.	kW	0.320	0.350	0.440	
		Nom.	kW	0.535	0.860	1.210	1.460
		Max.	kW	0.810	1.190	2.330	1.810
	Heating	Min.	kW	0.310	0.340	0.400	
		Nom.	kW	0.710	0.950	1.450	1.530
		Max.	kW	1.290	1.460	1.980	2.000
EER				4.67	4.07	3.47	3.42
COP				4.65	4.21	3.72	3.79
Annual energy consumption			kWh	268	430	605	730
Energy label	Cooling			A			
	Heating			A			
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.52			12.7
	Drain	OD	mm	18.0			
	Heat insulation			Both liquid and gas pipes			

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

2 Specifications

2-9 Nominal Capacity And Nominal Input				FVXS35FV1B / RXS35J2V1B		FVXS50FV1B / RXS50J2V1B	
Cooling capacity	Min.		kW	1.4			
			Btu/h	4,800			
			kcal/h	1,200			
	Nom.		kW	3.44 (3)		5.0 (3)	
			Btu/h	11,900 (3)		17,100 (3)	
			kcal/h	3,010 (3)		4,300 (3)	
	Max.		kW	3.8		5.6	
			Btu/h	13,000		19,100	
			kcal/h	3,270		4,820	
Heating capacity	Min.		kW	1.4			
			Btu/h	4,800			
			kcal/h	1,200			
	Nom.		kW	4.42 (4)		5.8 (4)	
			Btu/h	15,400 (4)		19,800 (4)	
			kcal/h	3,870 (4)		4,990 (4)	
	Max.		kW	5.0		8.1	
			Btu/h	17,100		27,600	
			kcal/h	4,300		6,970	
Power input	Cooling	Min.	kW	0.300		0.500	
		Nom.	kW	1.025		1.550	
		Max.	kW	1.250		2.000	
	Heating	Min.	kW	0.310		0.500	
		Nom.	kW	1.215		1.600	
		Max.	kW	1.880		2.600	
EER				3.36		3.23	
COP				3.64		3.63	
Annual energy consumption			kWh	512.5		775	
Energy label	Cooling			A			
	Heating						
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			

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m
- (5) 220V
- (6) 230V
- (7) 240V

2-10 Technical Specifications				RXS25J	RXS35J	RXS42J	RXS50J
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		960	
		Depth	mm	364		390	
Weight	Unit		kg	34		39	48
	Packed unit		kg	38		45	53

2 Specifications

2-10 Technical Specifications					RXS25J		RXS35J		RXS42J		RXS50J		
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								
			Treatment		Anti-corrosion treatment (PE)								
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			
			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				
	Super low		m³/min	25.6		27.2		43.1					
		cfm	904		960		1,522						
Fan motor	Model				D23H-28				D50R-28		KFD-380-50-8C		
	Output				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	High		dBA	61	63						
Sound pressure level	Cooling	High		dBA	46	48							
		Silent operation		dBA	43	44							
	Heating	High		dBA	47	48							
		Silent operation		dBA	44	45							
Compressor	Model				1YC23AEXD				2YC36BXD				
	Type				Hermetically sealed swing compressor								
	Output				W				600				1,100
Operation range	Cooling	Ambient	Min.	°CDB	-10								
			Max.	°CDB	46								
	Heating	Ambient	Min.	°CWB	-15								
			Max.	°CWB	18								
Refrigerant	Type				R-410A								
	Charge				kg		1.0	1.2		1.3		1.7	
Refrigerant oil	Type				FVC50K								
	Charged volume				l		0.375			0.65			
Piping connections	Liquid	OD		mm	6.35								
	Gas	OD		mm	9.52						12.7		
	Drain	Type			Hole								
		ID			mm		15.9						
	Piping length	OU - IU	Max.	m	20						30		
	Level difference	IU - OU	Max.	m	15						20		
	Heat insulation				Both liquid and gas pipes								

2-11 Electrical Specifications					RXS25J2V1B	RXS35J2V1B	RXS42J2V1B	RXS50J2V1B
Power supply	Phase				1~			
	Frequency	Hz			50			
	Voltage	V			220-240			
Current	Nominal running current (RLA)	Cooling	A	3.0 (1) / 2.8 (2) / 2.7 (3)	4.3 (1) / 4.1 (2) / 3.9 (3)	6.0 (1) / 5.7 (2) / 5.5 (3)	6.7 (1) / 6.4 (2) / 6.1 (3)	
		Heating	A	3.9 (1) / 3.8 (2) / 3.6 (3)	4.7 (1) / 4.5 (2) / 4.3 (3)	7.1 (1) / 6.8 (2) / 6.5 (3)	7.0 (1) / 6.7 (2) / 6.4 (3)	
	Starting current	Cooling	A	4.0	4.8	7.2	7.1	
		Heating	A	4.0	4.8	7.2	7.1	

2 Specifications

2-11 Electrical Specifications			RXS25J2V1B	RXS35J2V1B	RXS42J2V1B	RXS50J2V1B
Wiring connections	For power supply	Quantity	3			
	For connection with indoor	Quantity	4			
		Remark	Earth wire included			

Notes

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

3 Electrical data

3 - 1 Electrical Data

3

RXS25J

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS25J FTXS25J	RXS25J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	45	2.6	23	0.23	23	0.15
		50 - 230					2.4				
		50 - 240					2.3				
FVXS25F	RXS25J	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				
FFQ25B9V	RXS25J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	2.4	23	0.23	55	0.60
		50 - 230					2.3				
		50 - 240					2.1				
FLXS25B FLKS25B	RXS25J	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				
FDXS25E FDKS25E	RXS25J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	2.5	23	0.23	62	0.50
		50 - 230					2.4				
		50 - 240					2.2				

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SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor fan motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)
RHz : Rated operating frequency (Hz)

NOTES

1. RLA is based on the following conditions:
Indoor temp.: 27°CDB/19°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.

RXS35-50J

Unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FCQG35F	RXS35J	50 - 220	Max. 50Hz-253V Min. 50Hz-207V	9.75	10	7.1	0.023	0.23	0.048	0.30
		50 - 230				3.9				
		50 - 240				3.7				
FCQG50F	RXS50J	50 - 220		19.75	20	6.0	0.053	0.27	0.048	0.30
		50 - 230				5.7				
		50 - 240				3.4				

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SYMBOLS

MCA : Min. Circuit Amps (A)
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
 $MCA = 1,25 \times RLA + \text{all FLA}$, $MFA = < 2,25 \times RLA + \text{all FLA}$ (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

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS35J	RXS35J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	65	3.9	23	0.23	23	0.15
		50 - 230					3.7				
		50 - 240					3.5				
FVXS35F	RXS35J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.8	23	0.23	48	0.05
		50 - 230					4.6				
		50 - 240					4.4				
FFQ35B9V	RXS35J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.3	23	0.23	55	0.60
		50 - 230					4.1				
		50 - 240					3.9				
FHQ35B8	RXS35J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.3	23	0.23	62	0.60
		50 - 230					4.1				
		50 - 240					3.9				
FLXS35B FLKS35B	RXS35J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.5	23	0.23	34	0.38
		50 - 230					4.3				
		50 - 240					4.1				
FDXS35E FDKS35E	RXS35J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.4	23	0.23	62	0.50
		50 - 230					4.2				
		50 - 240					4.0				

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SYMBOLS

MCA : Min. Circuit Amps (A)
 MFA : Max. Fuse Amps (A)
 RLA : Rated Load Amps (A)
 OFM : Outdoor fan motor
 IFM : Indoor Fan Motor
 FLA : Full Load Amps (A)
 W : Fan Motor Rated Output (W)
 RHz : Rated operating frequency (Hz)

NOTES

1. RLA is based on the following conditions:
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 35°CDB
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

RXS35J

Representative unit combination		Power supply				COMP	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FCQ35C8 FBQ35C8	RXS35J	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

RXS42J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS42J2V1B	RXS42J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	14.75	20	57	5.6	50	0.23	23	0.15
		50 - 230					5.3				
		50 - 240					5.1				

NOTES

1. RLA is based on the following conditions,
Indoor temp. 27 °C DB/19.0 °C WB.
Outdoor temp. 35 °C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

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)

3D059709B

RXS50J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS50J2V1B	RXS50J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	66	6.3	53	0.27	23	0.15
		50 - 230					6.0				
		50 - 240					5.7				
FVXS50FV1B	RXS50J2V1B	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				

NOTES

1. RLA is based on the following conditions,
Indoor temp. 27 °C DB/19.0 °C WB.
Outdoor temp. 35 °C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

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)

3D070939

3 Electrical data

3 - 1 Electrical Data

RXS50J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLXS50BAVMB	RXS50J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	73	7.1	53	0.27	34	0.54
		50 - 230									
		50 - 240									
FDXS50C7VMB	RXS50J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	74	6.8	53	0.27	130	0.70
		50 - 230									
		50 - 240									

NOTES

1. RLA is based on the following conditions,
Indoor temp. 27 °C DB/19.0 °C WB.
Outdoor temp. 35 °C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

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)

3D070940

RXS50J

Representative unit combination		Power supply				COMP	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FHQ50B8	RXS50J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	7.5	53	0.27	62	0.60
		50 - 230								
		50 - 240								
FFQ50B9V	RXS50J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	7.43	53	0.27	55	0.70
		50 - 230								
		50 - 240								

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

3D070949A

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

3

RXS50J

Representative unit combination		Power supply				COMP	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FCQ50C8	RXS50J	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	6.0	53	0.27	56	0.30
		50 - 230				5.7				
		50 - 240				5.4				
FBQ50C8	RXS50J	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.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS25J + RXS25J

Cooling 50Hz 220-240V

AFR	10.8
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	2.56	2.18	0.41	2.44	2.13	0.45	2.33	2.08	0.49	2.28	2.05	0.51	2.21	2.02	0.53	2.10	1.97	0.57
16.0	22	2.68	2.15	0.41	2.56	2.10	0.45	2.44	2.05	0.49	2.40	2.03	0.51	2.33	2.00	0.53	2.21	1.95	0.57
18.0	25	2.79	2.29	0.42	2.68	2.24	0.45	2.56	2.20	0.49	2.51	2.18	0.51	2.44	2.15	0.53	2.33	2.10	0.57
19.0	27	2.85	2.45	0.42	2.73	2.41	0.46	2.62	2.36	0.50	2.57	2.34	0.51	2.50	2.32	0.54	2.38	2.27	0.57
22.0	30	3.02	2.38	0.42	2.91	2.34	0.46	2.79	2.30	0.50	2.74	2.28	0.51	2.67	2.26	0.54	2.56	2.22	0.58
24.0	32	3.14	2.33	0.42	3.02	2.29	0.46	2.90	2.26	0.50	2.86	2.24	0.52	2.79	2.22	0.54	2.67	2.19	0.58

Heating 50Hz 220-240V

AFR	11.9
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Indoor		Outdoor temperature (°CWB)									
EDB		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.22	0.60	2.59	0.63	2.97	0.66	3.41	0.69	3.71	0.72
20.0		2.11	0.62	2.48	0.65	2.85	0.67	3.30	0.71	3.60	0.73
22.0		2.06	0.62	2.43	0.65	2.81	0.68	3.25	0.72	3.55	0.74
24.0		2.02	0.63	2.39	0.66	2.76	0.69	3.21	0.72	3.51	0.75
25.0		1.99	0.63	2.37	0.66	2.74	0.69	3.19	0.73	3.48	0.75
27.0		1.95	0.64	2.32	0.67	2.69	0.70	3.14	0.73	3.44	0.76

3D070648A

SYMBOLS

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

NOTES

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ35B9V + RXS35J

Cooling

50Hz 220-240V

AFR	10
BF	0.25

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	2.48	0.84	3.33	2.40	0.93	3.17	2.32	1.01	3.10	2.29	1.04	3.01	2.24	1.09	2.85	2.16	1.17		
16.0	22	3.64	2.44	0.85	3.48	2.36	0.93	3.32	2.28	1.01	3.26	2.25	1.04	3.17	2.21	1.09	3.01	2.13	1.17		
18.0	25	3.80	2.54	0.85	3.64	2.46	0.93	3.48	2.39	1.02	3.42	2.36	1.05	3.32	2.32	1.10	3.16	2.25	1.18		
19.0	27	3.87	2.66	0.86	3.72	2.59	0.94	3.56	2.52	1.02	3.49	2.49	1.05	3.40	2.45	1.10	3.24	2.39	1.18		
22.0	30	4.11	2.56	0.86	3.95	2.50	0.94	3.79	2.44	1.03	3.73	2.41	1.06	3.63	2.38	1.11	3.48	2.32	1.19		
24.0	32	4.27	2.49	0.87	4.11	2.43	0.95	3.95	2.37	1.03	3.89	2.35	1.06	3.79	2.32	1.11	3.63	2.26	1.19		

Heating

50Hz 220-240V

AFR	10
-----	----

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	1.01	3.14	1.06	3.60	1.11	4.14	1.17	4.50	1.21
20.0		2.55	1.04	3.01	1.09	3.46	1.14	4.00	1.20	4.36	1.24
22.0		2.50	1.05	2.95	1.10	3.40	1.15	3.94	1.21	4.31	1.25
24.0		2.44	1.06	2.90	1.11	3.35	1.16	3.89	1.22	4.25	1.26
25.0		2.42	1.07	2.87	1.12	3.32	1.17	3.86	1.23	4.22	1.27
27.0		2.36	1.08	2.81	1.13	3.26	1.18	3.81	1.24	4.17	1.28

3D055489C

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ35B8+RXS35J

Cooling

220-240V 50Hz

AFR	13
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	3.48	2.76	0.81	3.33	2.69	0.88	3.17	2.61	0.96	3.10	2.58	0.99	3.01	2.54	1.04	2.85	2.47	1.12
16.0	22	3.64	2.72	0.81	3.48	2.65	0.89	3.32	2.58	0.97	3.26	2.55	1.00	3.17	2.51	1.04	3.01	2.44	1.12
18.0	25	3.80	2.87	0.81	3.64	2.81	0.89	3.48	2.74	0.97	3.42	2.72	1.00	3.32	2.68	1.05	3.16	2.61	1.13
19.0	27	3.87	3.05	0.82	3.72	2.99	0.89	3.56	2.93	0.97	3.49	2.90	1.00	3.40	2.87	1.05	3.24	2.80	1.13
22.0	30	4.11	2.95	0.82	3.95	2.90	0.90	3.79	2.84	0.98	3.73	2.82	1.01	3.63	2.79	1.06	3.48	2.73	1.13
24.0	32	4.27	2.88	0.83	4.11	2.83	0.91	3.95	2.78	0.98	3.89	2.76	1.02	3.79	2.73	1.06	3.63	2.68	1.14

Heating

220-240V 50Hz

AFR	13
-----	----

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	0.94	3.14	0.98	3.60	1.03	4.14	1.08	4.50	1.12
20.0		2.55	0.96	3.01	1.01	3.46	1.06	4.00	1.11	4.36	1.15
22.0		2.50	0.97	2.95	1.02	3.40	1.07	3.94	1.12	4.31	1.16
24.0		2.44	0.98	2.90	1.03	3.35	1.08	3.89	1.13	4.25	1.17
25.0		2.42	0.99	2.87	1.03	3.32	1.08	3.86	1.14	4.22	1.17
27.0		2.36	1.00	2.81	1.04	3.26	1.09	3.81	1.15	4.17	1.18

3D055046D

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBQ35C8+RXS35J

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
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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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG35F+RXS35J

Cooling 50Hz 220-240V

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 50Hz 220-240V

AFR	12.5
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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

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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. 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

FLXS35BAVMB + RXS35J2V1B

Cooling

50 Hz 220V-240V

AFR	8.6
BF	0.35

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	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

50 Hz 220V-240V

AFR	9.8
-----	-----

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	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

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS35E7VMB + RXS35J2V1B

Cooling

220V-240V 50Hz

AFR	8.7
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	2.46	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	2.22	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

220V-240V 50Hz

AFR	8.7
-----	-----

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	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

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS35F+RXS35J

Cooling

50Hz 220-240V

AFR	8.5
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	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	3.44	2.50	1.03	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 temperature (°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	4.42	1.22	4.91	1.26
22.0		2.81	1.07	3.32	1.12	3.83	1.17	4.42	1.22	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

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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

- Capacities are based on the following conditions:
 - Corresponding refrigerant piping length: 5m
 - Level difference: 0m
- | |
|--|
| |
|--|

 shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS35J + RXS35J

Cooling 50Hz 220-240V

AFR	11.4
BF	0.21

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	3.59	2.67	0.66	3.42	2.59	0.72	3.26	2.51	0.79	3.19	2.48	0.81	3.10	2.43	0.85	2.93	2.35	0.91
16.0	22	3.75	2.63	0.66	3.58	2.55	0.73	3.42	2.48	0.79	3.36	2.45	0.82	3.26	2.40	0.85	3.10	2.33	0.92
18.0	25	3.91	2.75	0.67	3.75	2.68	0.73	3.58	2.61	0.79	3.52	2.58	0.82	3.42	2.54	0.86	3.26	2.47	0.92
19.0	27	3.99	2.91	0.67	3.83	2.84	0.73	3.66	2.77	0.80	3.60	2.74	0.82	3.50	2.70	0.86	3.34	2.64	0.92
22.0	30	4.23	2.80	0.67	4.07	2.74	0.74	3.90	2.68	0.80	3.84	2.66	0.83	3.74	2.62	0.87	3.58	2.57	0.93
24.0	32	4.39	2.73	0.68	4.23	2.67	0.74	4.07	2.62	0.81	4.00	2.60	0.83	3.90	2.57	0.87	3.74	2.51	0.93

Heating 50Hz 220-240V

AFR	12.4
-----	------

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	0.80	3.14	0.84	3.60	0.88	4.14	0.93	4.50	0.96
20.0		2.55	0.82	3.01	0.86	3.46	0.90	4.00	0.95	4.36	0.98
22.0		2.50	0.83	2.95	0.87	3.40	0.91	3.94	0.96	4.31	0.99
24.0		2.44	0.84	2.90	0.88	3.35	0.92	3.89	0.97	4.25	1.00
25.0		2.42	0.85	2.87	0.89	3.32	0.92	3.86	0.97	4.22	1.00
27.0		2.36	0.85	2.81	0.89	3.26	0.93	3.81	0.98	4.17	1.01

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SYMBOLS

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

NOTES

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS42J2V1B + RXS42J2V1B

Cooling

50 Hz 220V-240V

AFR	11.3
BF	0.14

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	4.30	3.10	0.93	4.11	3.00	1.02	3.91	2.90	1.11	3.83	2.87	1.14	3.72	2.81	1.20	3.52	2.71	1.29
16.0	22	4.50	3.05	0.93	4.30	2.96	1.02	4.11	2.86	1.11	4.03	2.83	1.15	3.91	2.77	1.20	3.71	2.68	1.29
18.0	25	4.69	3.18	0.94	4.49	3.09	1.03	4.30	3.01	1.12	4.22	2.97	1.15	4.10	2.92	1.21	3.91	2.83	1.30
19.0	27	4.79	3.34	0.94	4.59	3.26	1.03	4.40	3.17	1.12	4.32	3.14	1.16	4.20	3.09	1.21	4.00	3.01	1.30
22.0	30	5.08	3.22	0.95	4.88	3.14	1.04	4.69	3.07	1.13	4.61	3.04	1.16	4.49	2.99	1.22	4.29	2.92	1.31
24.0	32	5.27	3.13	0.96	5.07	3.06	1.04	4.88	2.99	1.13	4.80	2.96	1.17	4.68	2.92	1.22	4.49	2.86	1.31

Heating

50 Hz 220V-240V

AFR	12.2
-----	------

Indoor		Outdoor temperature: (CWB)									
EDB		-10		-5		0		6		10	
C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.64	1.23	4.24	1.29	4.85	1.35	5.59	1.42	6.07	1.47
20.0		3.45	1.26	4.06	1.32	4.67	1.38	5.40	1.45	5.89	1.50
22.0		3.37	1.27	3.98	1.33	4.59	1.39	5.33	1.46	5.81	1.51
24.0		3.30	1.29	3.91	1.34	4.52	1.40	5.25	1.48	5.74	1.52
25.0		3.26	1.29	3.87	1.35	4.48	1.41	5.21	1.48	5.70	1.53
27.0		3.19	1.30	3.80	1.36	4.41	1.42	5.14	1.50	5.63	1.54

Symbols

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

NOTES

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS50J2V1B + RXS50J2V1B

Cooling

50 Hz 220V-240V

AFR	11.6
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	4.62	3.26	1.07	4.62	3.26	1.20	4.62	3.26	1.33	4.56	3.22	1.38	4.42	3.15	1.44	4.19	3.03	1.55
16.0	22	5.35	3.47	1.13	5.12	3.34	1.23	4.89	3.23	1.34	4.79	3.18	1.39	4.65	3.11	1.45	4.42	3.00	1.56
18.0	25	5.58	3.58	1.13	5.35	3.47	1.24	5.12	3.36	1.35	5.02	3.31	1.39	4.88	3.25	1.46	4.65	3.14	1.56
19.0	27	5.70	3.73	1.14	5.47	3.62	1.24	5.23	3.51	1.35	5.14	3.47	1.40	5.00	3.41	1.46	4.77	3.31	1.57
22.0	30	6.04	3.58	1.15	5.81	3.48	1.25	5.58	3.39	1.36	5.49	3.35	1.40	5.35	3.30	1.47	5.11	3.20	1.58
24.0	32	6.27	3.47	1.15	6.04	3.38	1.26	5.81	3.30	1.37	5.72	3.26	1.41	5.58	3.21	1.48	5.34	3.13	1.58

Heating

50 Hz 220V-240V

AFR	12.1
-----	------

Indoor		Outdoor temperature: (CWB)									
EDB		-10		-5		0		6		10	
C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.90	1.29	4.56	1.36	5.21	1.42	6.00	1.50	6.52	1.55
20.0		3.70	1.33	4.36	1.39	5.01	1.45	5.80	1.53	6.32	1.58
22.0		3.62	1.34	4.28	1.41	4.93	1.47	5.72	1.54	6.24	1.59
24.0		3.54	1.36	4.20	1.42	4.85	1.48	5.64	1.56	6.16	1.61
25.0		3.50	1.36	4.16	1.43	4.81	1.49	5.60	1.56	6.12	1.61
27.0		3.42	1.38	4.08	1.44	4.73	1.50	5.52	1.58	6.04	1.63

Symbols

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

NOTES

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

3D070731

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ50B9V + RXS50J

Cooling

50Hz 230V

AFR	12.0
BF	0.16

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.76	3.51	1.45	4.61	3.44	1.55	4.46	3.37	1.64	4.40	3.34	1.68	4.31	3.30	1.74	4.16	3.23	1.83
16.0	22	4.92	3.54	1.48	4.77	3.47	1.57	4.62	3.40	1.67	4.56	3.38	1.70	4.47	3.33	1.76	4.32	3.26	1.86
18.0	25	5.07	3.58	1.50	4.92	3.51	1.60	4.77	3.44	1.69	4.71	3.41	1.73	4.62	3.37	1.79	4.47	3.30	1.88
19.0	27	5.15	3.59	1.52	5.00	3.52	1.61	4.85	3.45	1.71	4.79	3.43	1.74	4.70	3.38	1.80	4.55	3.31	1.90
22.0	30	5.38	3.65	1.55	5.23	3.58	1.65	5.08	3.51	1.74	5.02	3.48	1.78	4.93	3.44	1.84	4.78	3.37	1.93
24.0	32	5.54	3.68	1.58	5.39	3.61	1.68	5.24	3.54	1.77	5.18	3.51	1.81	5.09	3.47	1.87	4.94	3.40	1.96

Heating

50Hz 230V

AFR	12.0
-----	------

Indoor		Outdoor temperature (°CWB)											
EDB (°C)		-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0		2.76	1.41	3.43	1.51	4.09	1.60	4.76	1.70	5.56	1.82	6.09	1.90
18.0		2.73	1.48	3.40	1.58	4.06	1.67	4.73	1.77	5.53	1.89	6.06	1.97
20.0		2.70	1.55	3.37	1.65	4.04	1.74	4.70	1.84	5.50	1.96	6.03	2.04
21.0		2.69	1.58	3.36	1.68	4.02	1.78	4.69	1.88	5.49	2.00	6.02	2.07
22.0		2.68	1.62	3.34	1.72	4.01	1.81	4.67	1.91	5.47	2.03	6.00	2.11
24.0		2.65	1.69	3.32	1.79	3.98	1.89	4.65	1.98	5.45	2.10	5.98	2.18

3D060463B

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(m³/min.)*(1-BF)*(DB*-EDB)
Add SHC* to SHC.
5. Capacities are based on following conditions:
Corresponding refrigerant piping length: 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

FBQ50C8+RXS50J

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
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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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ50B8+RXS50J

Cooling

50Hz 230V

AFR	13
BF	0.1

Indoor		Outdoor temperature (°CDB)															
EWB	EDB	20			25			30			32			35			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14.0	20	5.06	3.63	1.48	4.91	3.56	1.58	4.76	3.49	1.67	4.70	3.46	1.71	4.61	3.42	1.77	4.46
16.0	22	5.22	3.66	1.51	5.07	3.59	1.60	4.92	3.52	1.70	4.86	3.49	1.73	4.77	3.45	1.79	4.62
18.0	25	5.37	3.69	1.53	5.22	3.62	1.63	5.07	3.55	1.72	5.01	3.53	1.76	4.92	3.48	1.82	4.77
19.0	27	5.45	3.71	1.55	5.30	3.64	1.64	5.15	3.57	1.74	5.09	3.54	1.77	5.00	3.50	1.83	4.85
22.0	30	5.68	3.76	1.58	5.53	3.69	1.68	5.38	3.62	1.77	5.32	3.59	1.81	5.23	3.55	1.87	5.08
24.0	32	5.84	3.80	1.61	5.69	3.73	1.71	5.54	3.66	1.80	5.48	3.63	1.84	5.39	3.59	1.90	5.24

Heating

50Hz 230V

AFR	13
-----	----

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		3.01	1.47	3.74	1.57	4.46	1.68	5.19	1.78	6.06	1.90	6.64	1.98
18.0		2.98	1.55	3.71	1.65	4.43	1.75	5.16	1.85	6.03	1.98	6.61	2.06
20.0		2.95	1.62	3.68	1.72	4.40	1.82	5.13	1.93	6.00	2.05	6.58	2.13
21.0		2.94	1.66	3.66	1.76	4.39	1.86	5.11	1.96	5.99	2.09	6.57	2.17
22.0		2.92	1.69	3.65	1.80	4.37	1.90	5.10	2.00	5.97	2.12	6.55	2.21
24.0		2.89	1.77	3.62	1.87	4.34	1.97	5.07	2.07	5.94	2.20	6.52	2.28

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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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG50F+RXS50J

Cooling 50Hz 220-240V

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 50Hz 220-240V

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

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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. 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: 0 m

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS50BAVMB + RXS50J2V1B

Cooling 50 Hz 220-240V

AFR	11.4
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	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 50 Hz 220-240V

AFR	12.1
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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		3.06	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

Symbols

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

NOTES

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS50C7VMB + RXS50J2V1B

Cooling

50 Hz 220V-240V

AFR	12.0
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	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

50 Hz 220V-240V

AFR	12.0
-----	------

Indoor		Outdoor temperature: (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

Symbols

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

NOTES

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

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS50FV1B + RXS50J2V1B

Cooling

50 Hz 220V-240V

AFR	10.7
BF	0.13

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	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

50 Hz 220V-240V

AFR	11.8
-----	------

Indoor		Outdoor temperature: (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	5.94	1.68

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)

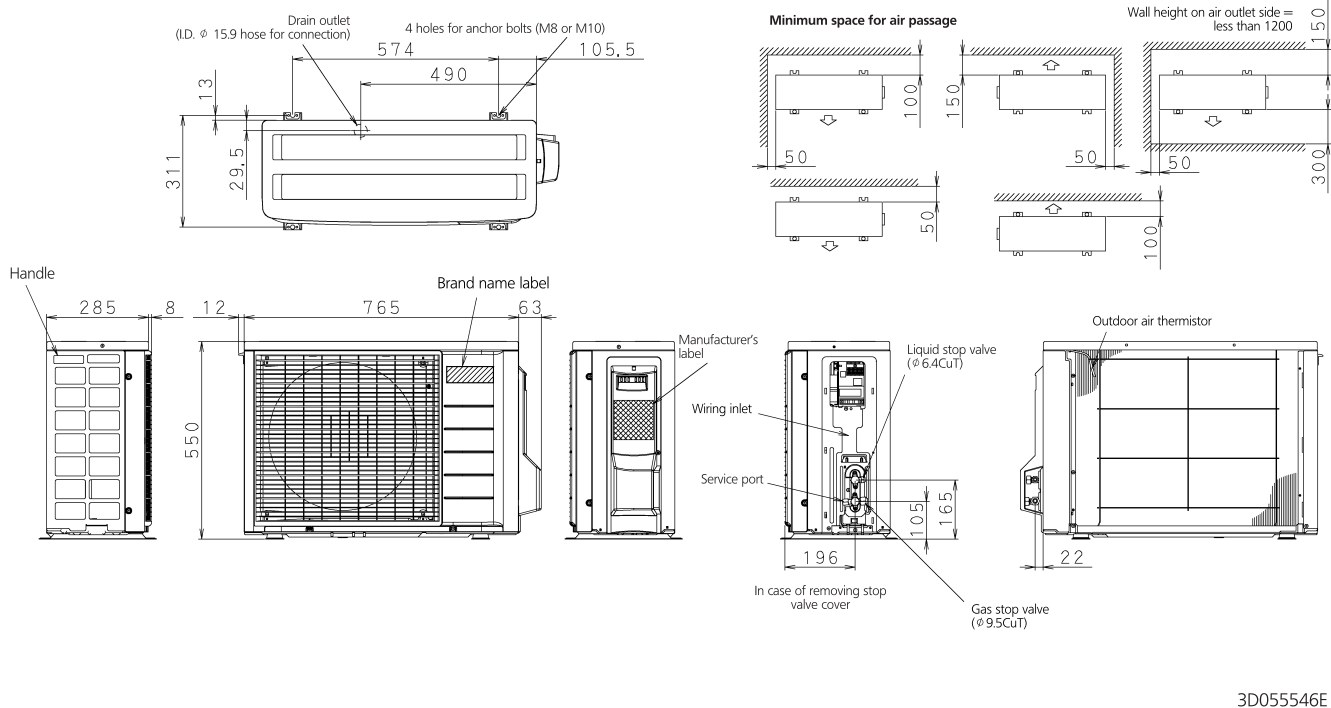
NOTES

- Capacities are based on the following conditions.
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m
- shows nominal (rated) capacities and power input.

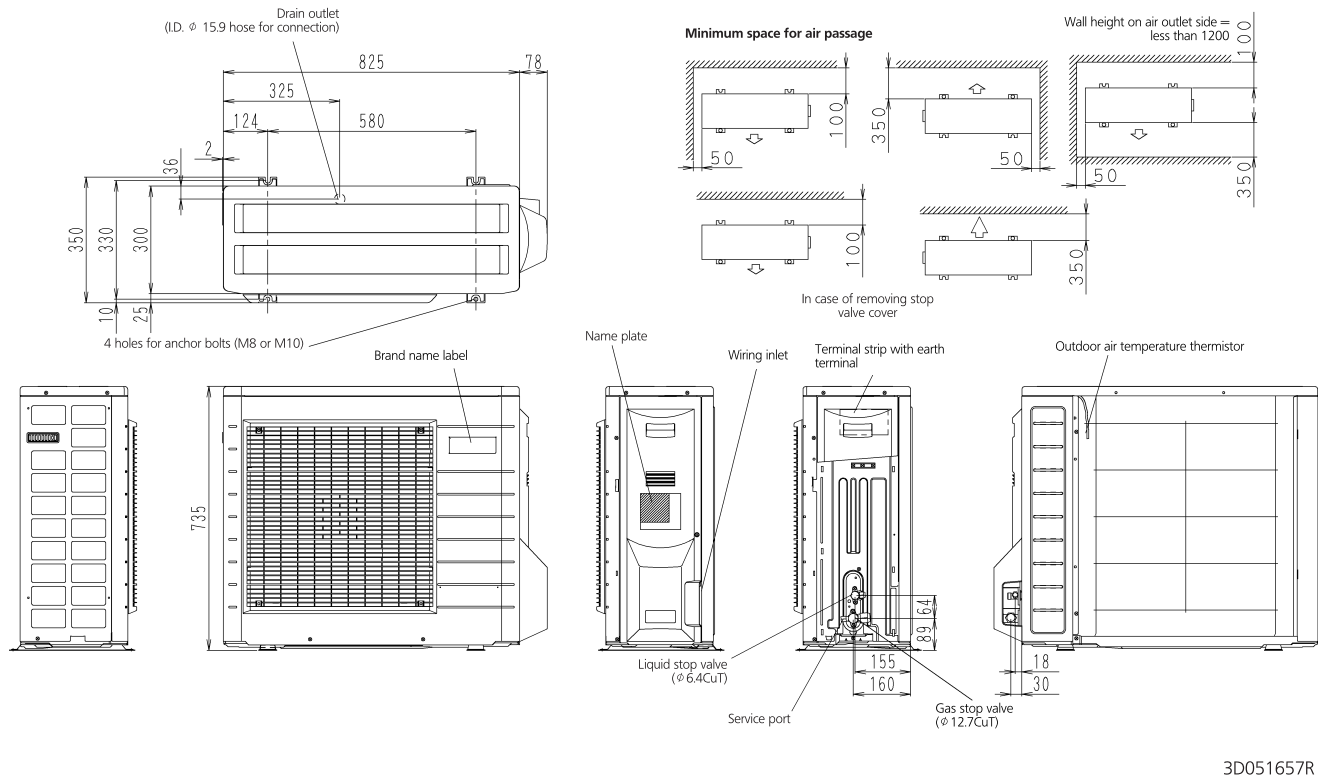
5 Dimensional drawings

5 - 1 Dimensional Drawings

RXS25-42J



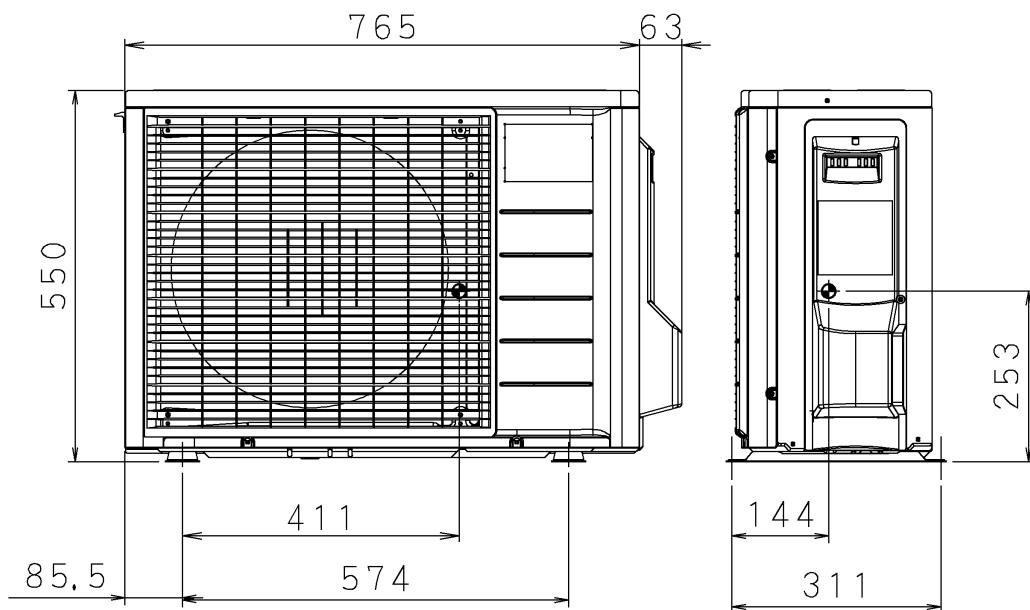
RXS50J



6 Centre of gravity

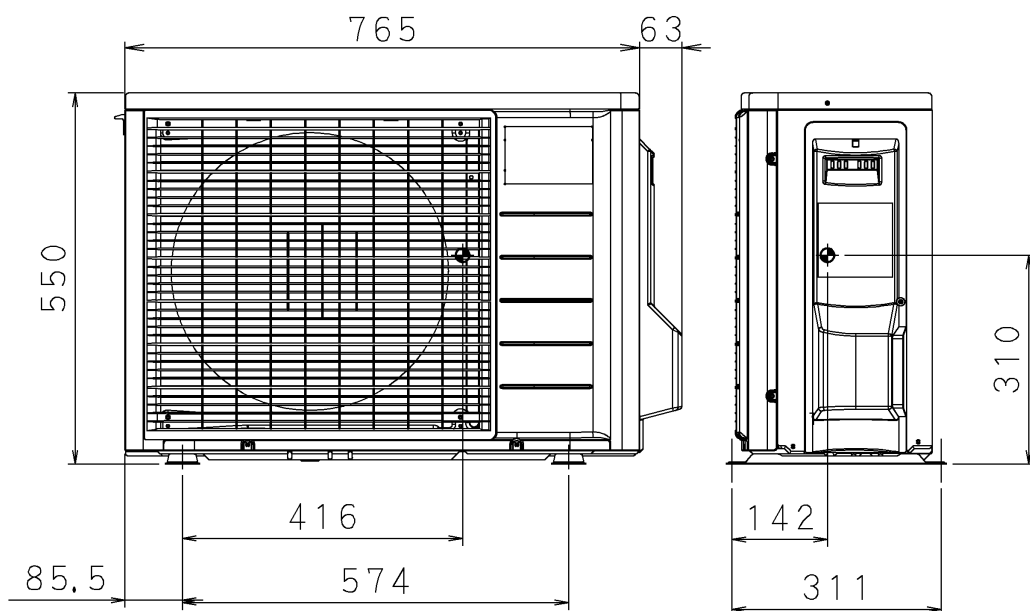
6 - 1 Centre of Gravity

RXS25-35J



4D056351Y

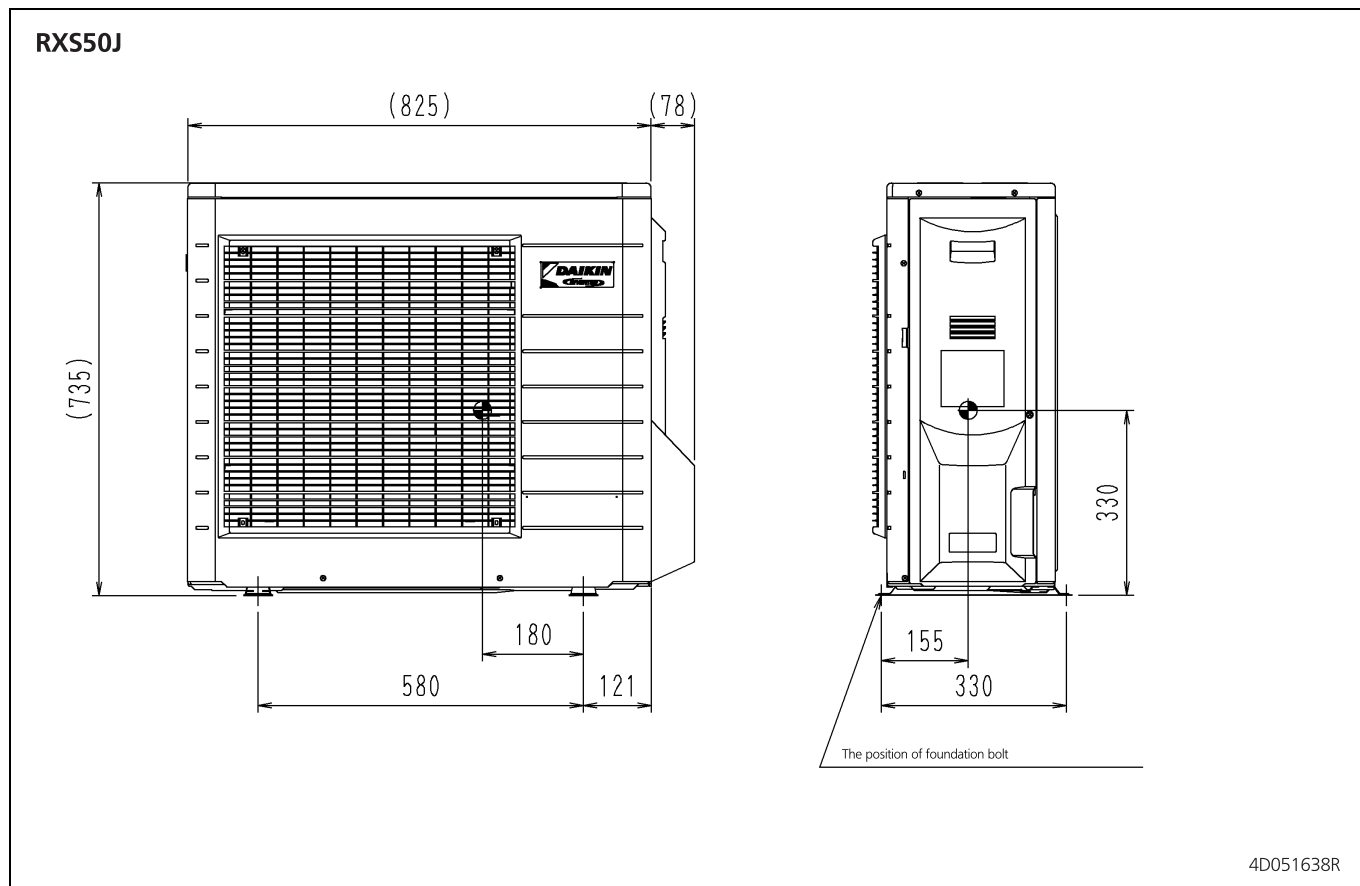
RXS42J



4D059009G

6 Centre of gravity

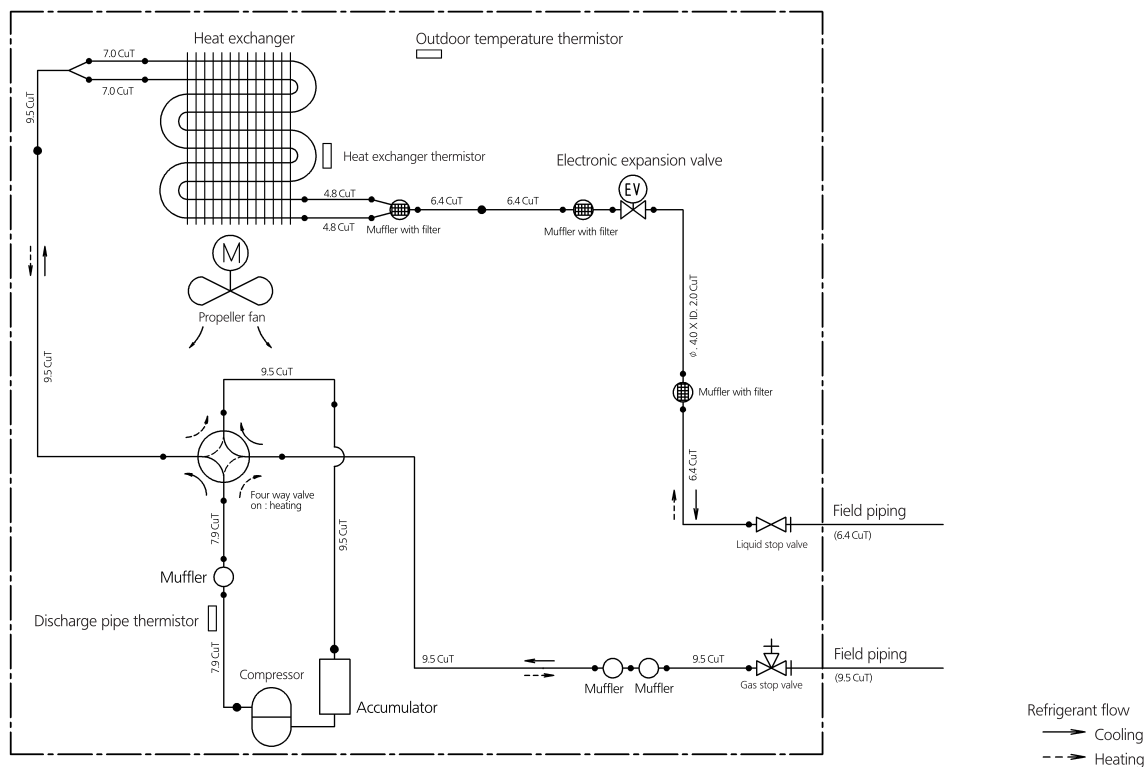
6 - 1 Centre of Gravity



7 Piping diagrams

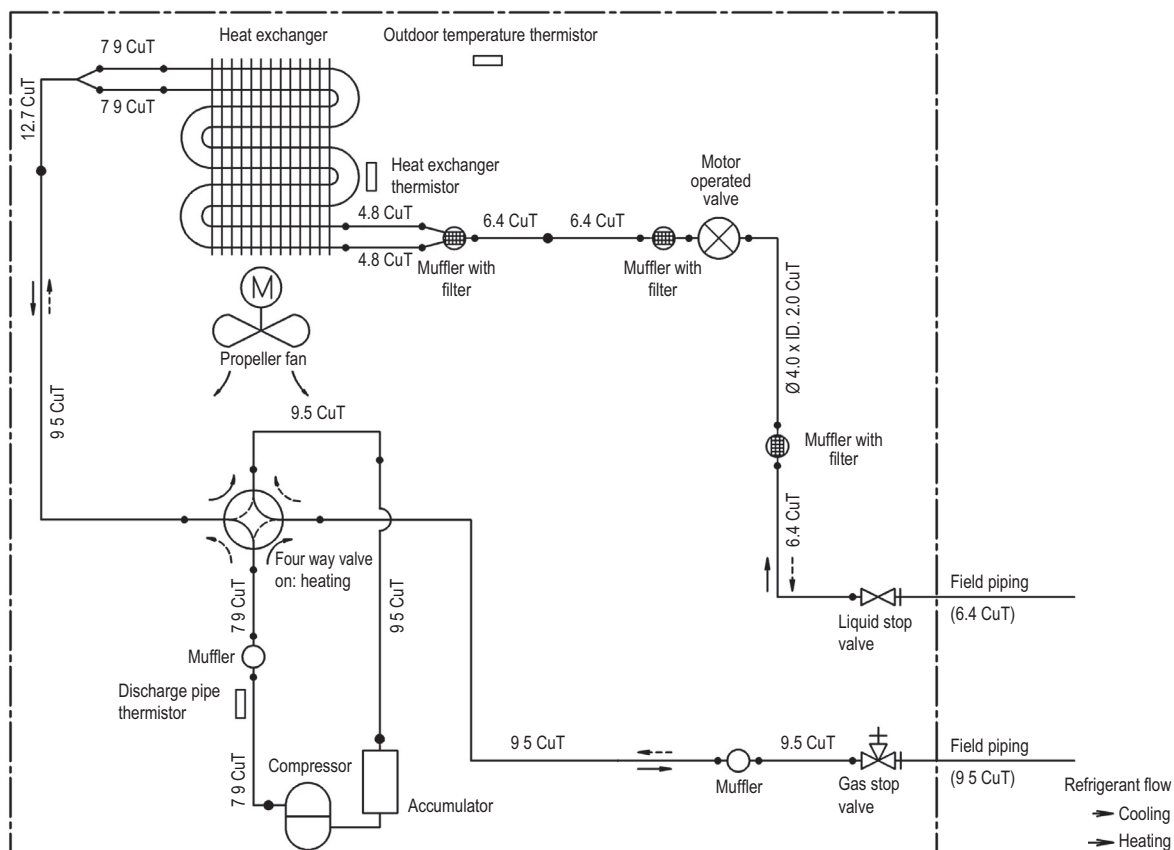
7 - 1 Piping Diagrams

RXS25-35J



3D059586N

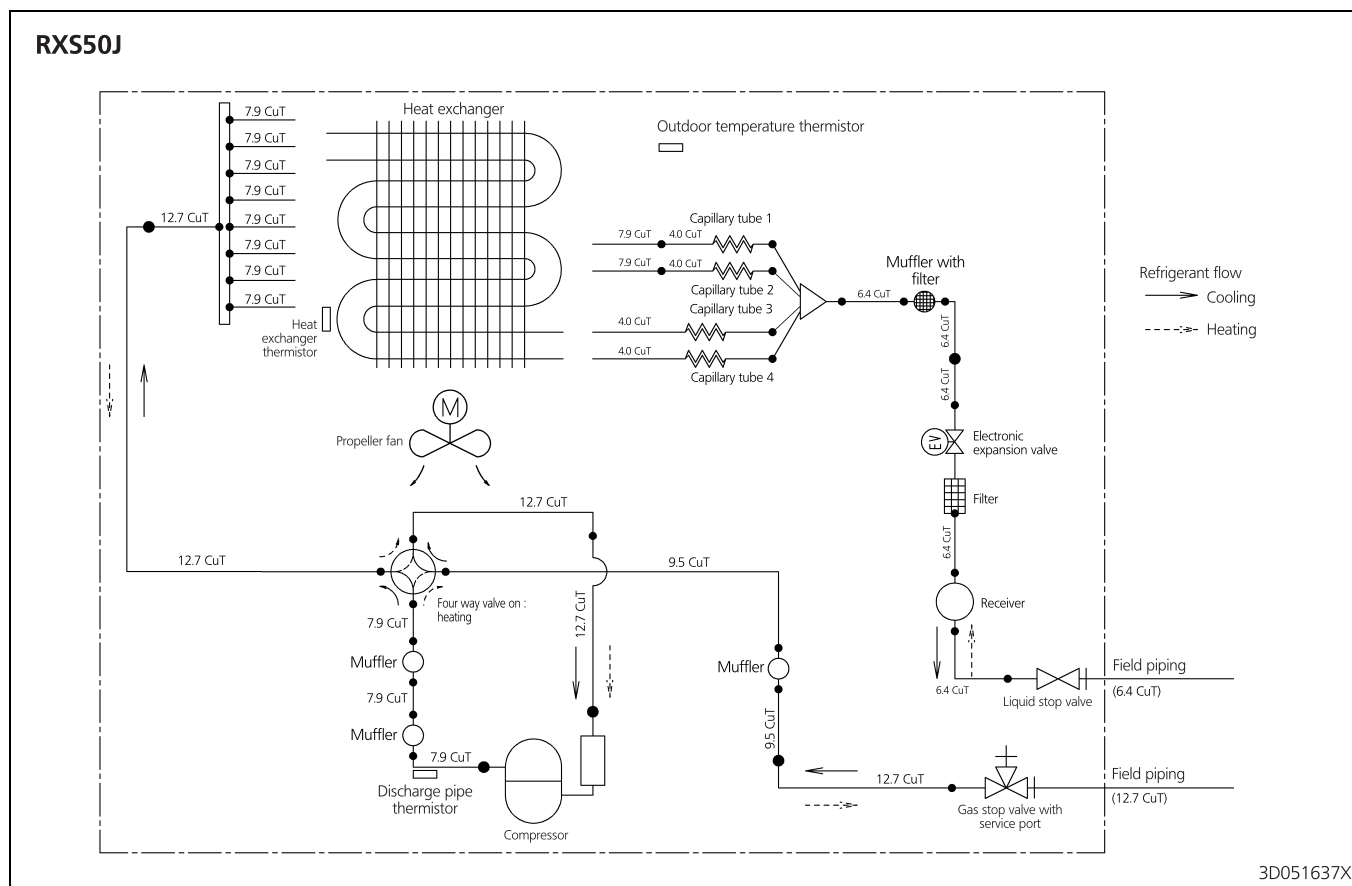
RXS42J2V1B



3D059590B

7 Piping diagrams

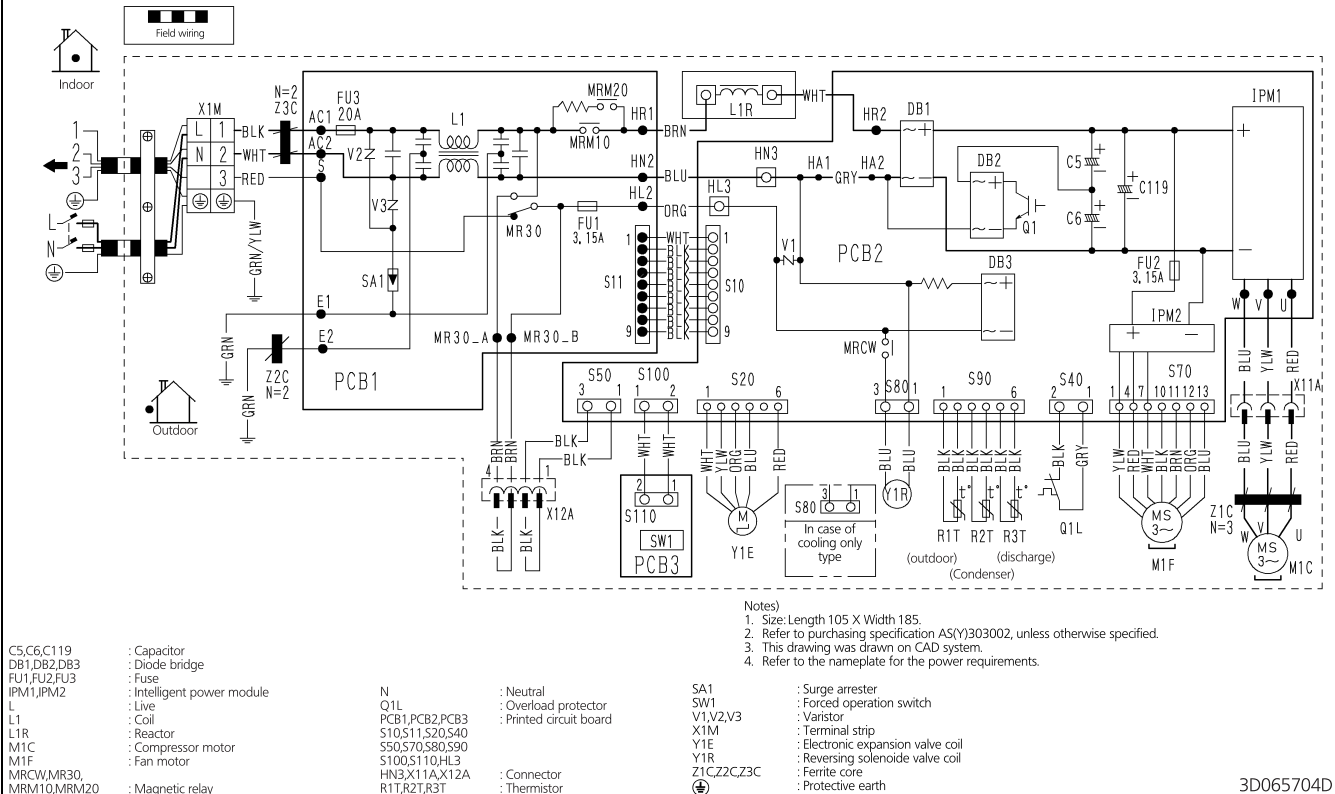
7 - 1 Piping Diagrams



8 Wiring diagrams

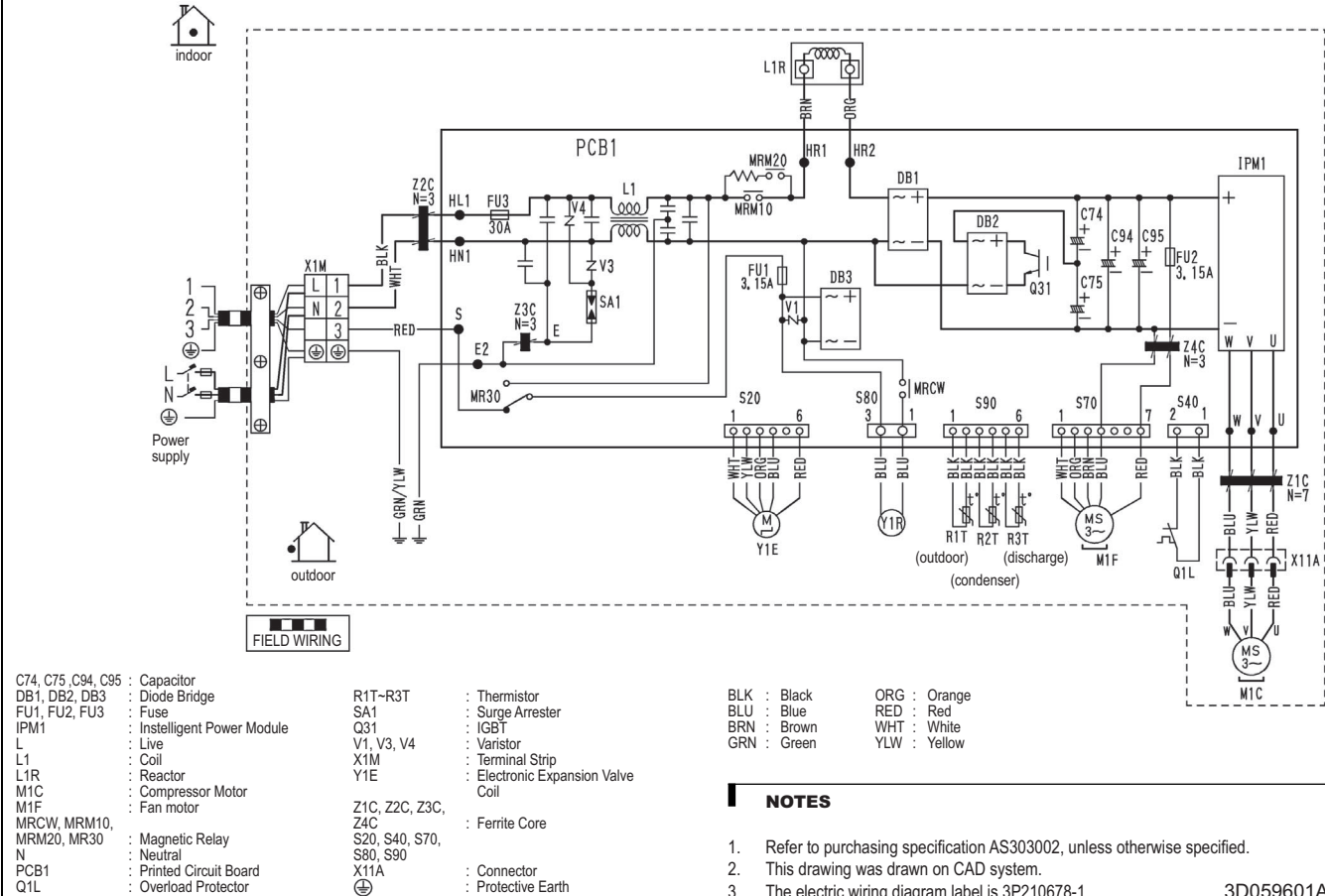
8 - 1 Wiring Diagrams - Single Phase

RXS25-35J



3D065704D

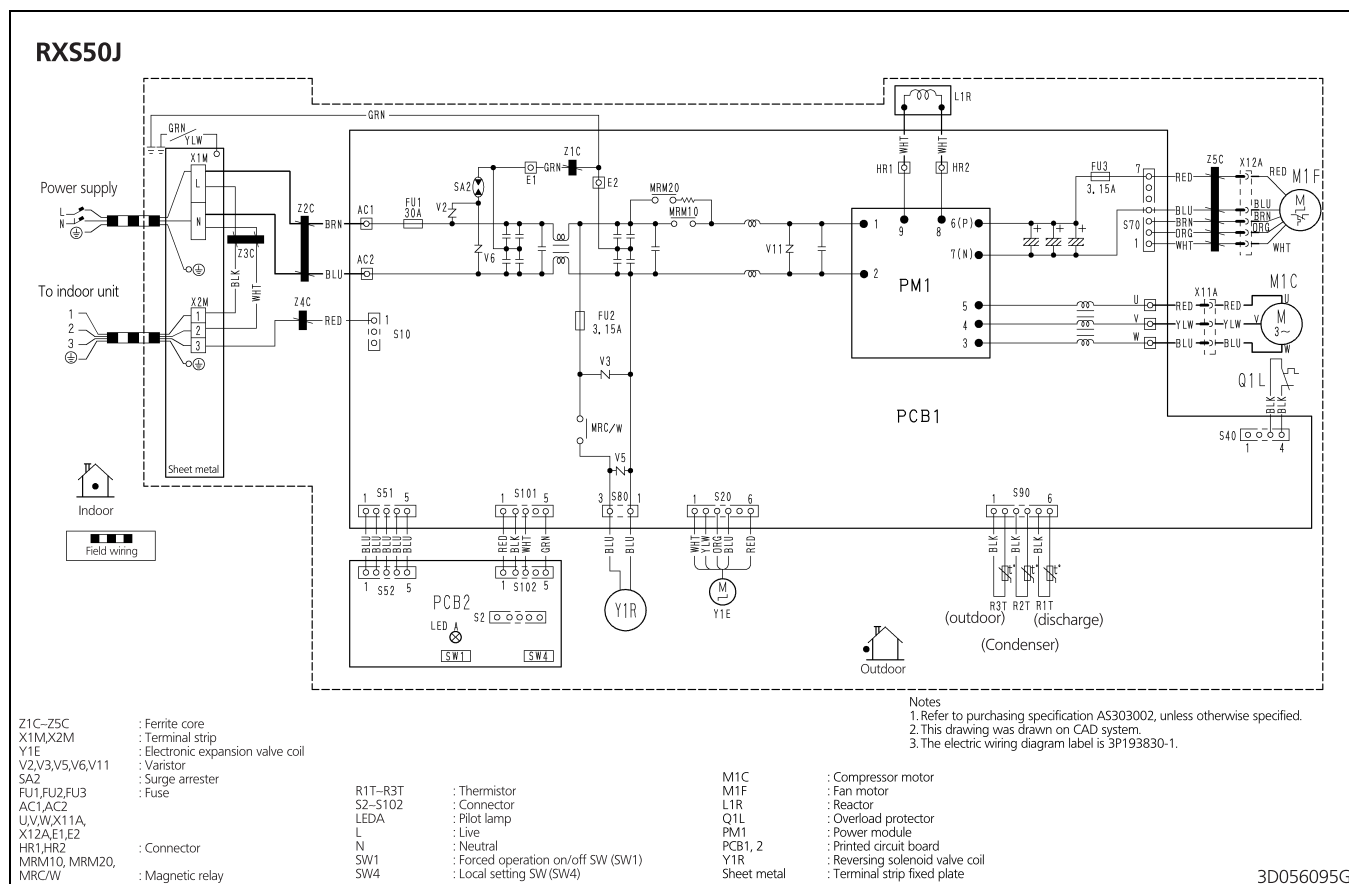
RXS42J2V1B



3D059601A

8 Wiring diagrams

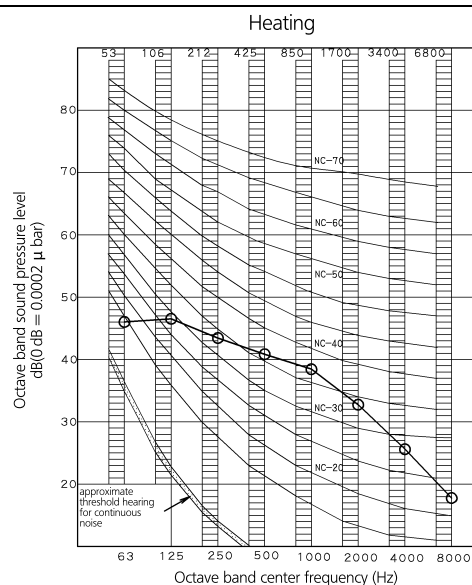
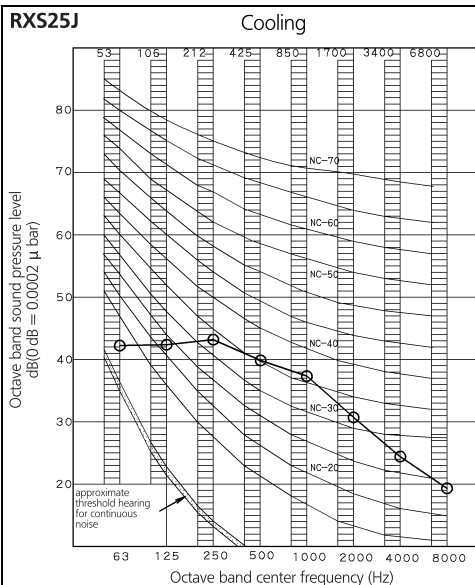
8 - 1 Wiring Diagrams - Single Phase



9 Sound data

9 - 1 Sound Pressure Spectrum

9

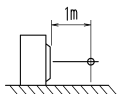


NOTES

- Overall (dB)

Scale	50Hz 220-240V (H)
A	46

 (B,G,N is already rectified)
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions:
 - Power source 220-240V 50Hz
 - Cooling
- Location of microphone JISC9612. The operation noise measuring method is in accordance with JISC9612

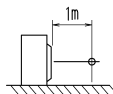


NOTES

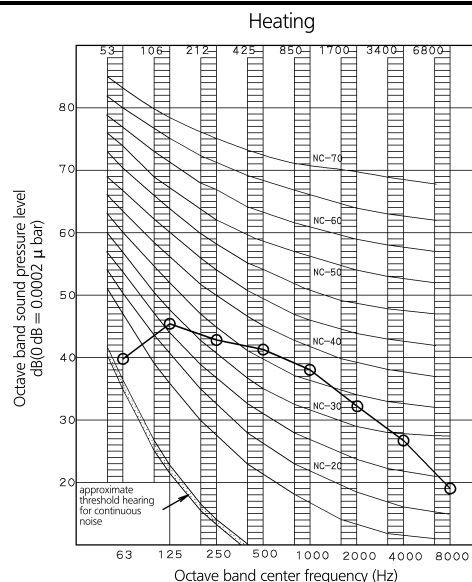
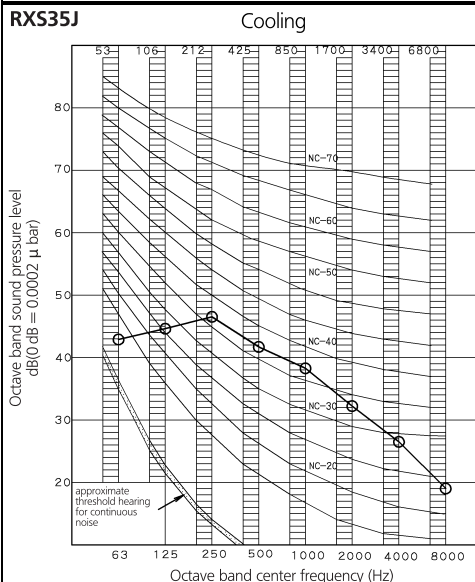
- Overall (dB)

Scale	50Hz 220-240V (H)
A	47

 (B,G,N is already rectified)
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions:
 - Power source 220-240V 50Hz
 - Heating
- Location of microphone JISC9612. The operation noise measuring method is in accordance with JISC9612



3D059599E

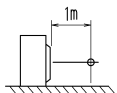


NOTES

- Overall (dB)

Scale	50Hz 220-240V (H)
A	48

 (B,G,N is already rectified)
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions:
 - Power source 220-240V 50Hz
 - Cooling
- Location of microphone JISC9612. The operation noise measuring method is in accordance with JISC9612

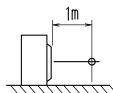


NOTES

- Overall (dB)

Scale	50Hz 220-240V (H)
A	48

 (B,G,N is already rectified)
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions:
 - Power source 220-240V 50Hz
 - Heating
- Location of microphone JISC9612. The operation noise measuring method is in accordance with JISC9612

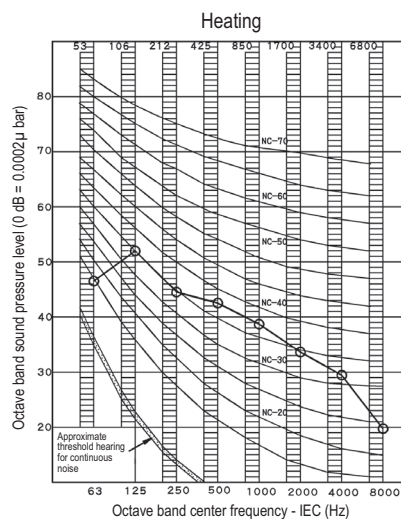
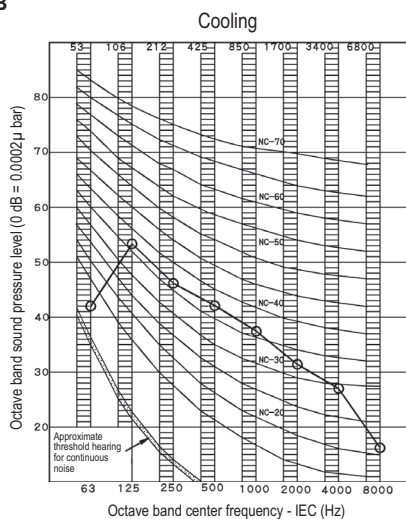


3D059593F

9 Sound data

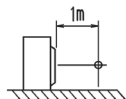
9 - 1 Sound Pressure Spectrum

RXS42J2V1B



NOTES

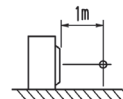
- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Cooling ○—○
- Operation noise differs with operation and ambient conditions.



Scale	50Hz 220-240V (H)
A	48

NOTES

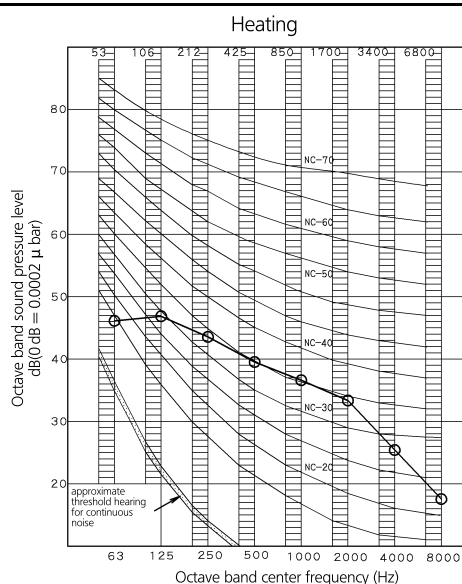
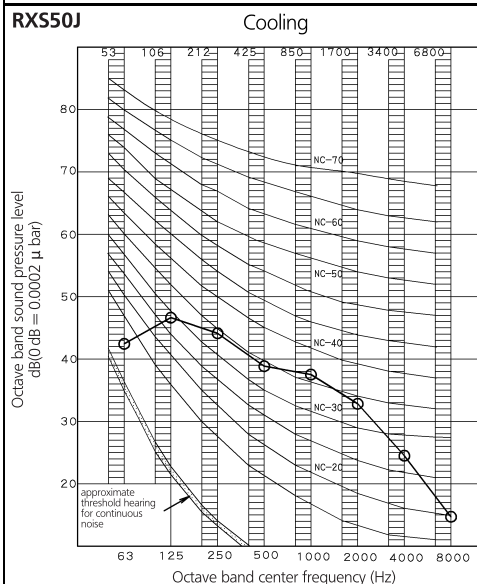
- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Heating ○—○



Scale	50Hz 220-240V (H)
A	48

3D059597B

RXS50J



NOTES

- Overall (dB)
Scale
50Hz
220~240V
A 48
(B,G,N is already rectified)
- Measuring place: Measured in an anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions:
Power source 220~240V 50Hz
○—○ 50Hz 220~240V
Cooling
- Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

NOTES

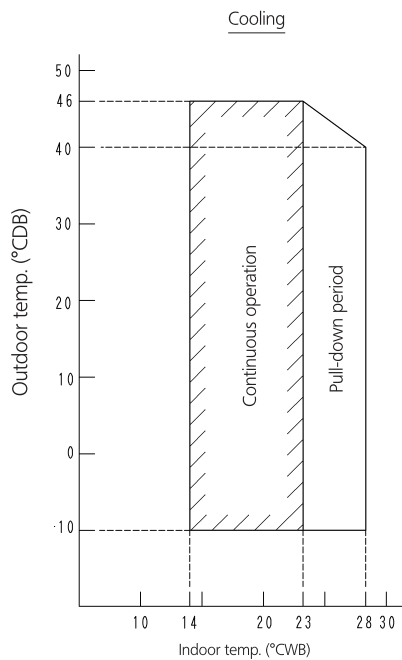
- Overall (dB)
Scale
50Hz
220~240V
A 48
(B,G,N is already rectified)
- Measuring place: Measured in an anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions:
Power source 220~240V 50Hz
○—○ 50Hz 220~240V
Heating
- Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D059740C

10 Operation range

10 - 1 Operation Range

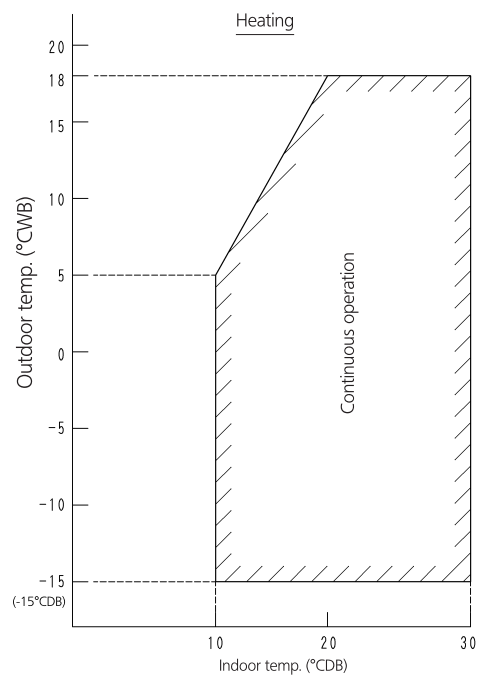
RXS-J



Notes:

The graphs are based on the following conditions:

- Equivalent piping length 7.5 m
- Level difference 0 m
- Air flow rate high



3D028318R



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.



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