



Air Conditioning Technical Data



EEDEN15-100

RXS-L

TABLE OF CONTENTS

RXS-L

1	Features	2
2	Specifications	3
	Capacity and Power input	3
	Capacity and Power input	4
	Capacity and Power input	5
	Capacity and Power input	6
	Capacity and Power input	7
	Capacity and Power input	7
	Capacity and Power input	8
	Capacity and Power input	9
	Capacity and Power input	10
	Capacity and Power input	11
	Capacity and Power input	11
	Technical Specifications	12
	Electrical Specifications	13
3	Electrical data	14
4	Capacity tables	19
	Cooling/Heating Capacity Tables	19
5	Dimensional drawings	36
6	Centre of gravity	37
7	Piping diagrams	38
8	Wiring diagrams	39
	Wiring Diagrams - Single Phase	39
9	Sound data	40
	Sound Pressure Spectrum - Cooling	40
	Sound Pressure Spectrum - Heating	42
10	Operation range	44

1 Features

- 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.
- Energy saving during standby mode: reduces current consumption by about 80% when operating in standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode.
- Outdoor units for pair application
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Outdoor 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 Capacity and Power input				FTXS42K/RXS42L	FTXS50K/RXS50L	
Indoor unit				FTXS42K	FTXS50K	
Outdoor unit				RXS42L	RXS50L	
Cooling capacity	Min.		kW	1.7		
			Btu/h	5,800		
			kcal/h	1,460		
	Nom.		kW	4.20 (1)	5.00 (1)	
			Btu/h	14,300 (1)	17,100 (1)	
			kcal/h	3,610 (1)	4,300 (1)	
	Max.		kW	5.0	5.3	
			Btu/h	17,100	18,100	
			kcal/h	4,300	4,560	
Heating capacity	Min.		kW	1.7		
			Btu/h	5,800		
			kcal/h	1,460		
	Nom.		kW	5.40 (1)	5.80 (1)	
			Btu/h	18,400 (1)	19,800 (1)	
			kcal/h	4,640 (1)	4,990 (1)	
	Max.		kW	6.0	6.5	
			Btu/h	20,500	22,200	
			kcal/h	5,160	5,590	
Power input	Cooling	Min.	kW	0.320	0.350	
		Nom.	kW	1.253 (1)	1.506 (1)	
		Max.	kW	2.330	1.810	
	Heating	Min.	kW	0.400	0.300	
		Nom.	kW	1.310 (1)	1.450 (1)	
		Max.	kW	1.980	2.000	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		
		Pdesign	kW	4.20	5.00	
		SEER		6.80		
		Annual energy consumption	kWh	216	257	
	Heating (Average climate)	Energy label		A+		
		Pdesign	kW	4.00	4.60	
		SCOP		4.20		
		Annual energy consumption	kWh	1,334	1,535	
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	12.7		
	Drain	OD	mm	18		
	Heat insulation			Both liquid and gas pipes		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	6.37 (2) / 6.05 (3) / 5.84 (4)		
		Heating	A	6.6 (2) / 6.3 (3) / 6.0 (4)		
Nominal efficiency	EER		3.35 (5)		3.32 (5)	
	COP		4.12 (5)		4.00 (5)	
	Annual energy consumption		kWh	627	753	
	Energy label	Cooling		A		
		Heating		A		

Notes

- (1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load
- (2) 220V
- (3) 230V
- (4) 240V
- (5) EER/COP according to Eurovent 2012, for use outside EU only

2 Specifications

2

2-2 Capacity and Power input				FTXS60G/RXS60L		
Cooling capacity	Min.	kW		1.7		
		Btu/h		5,800		
		kcal/h		1,460		
	Nom.	kW		6.0		
		Btu/h		20,500		
		kcal/h		5,160		
	Max.	kW		6.7		
		Btu/h		22,900		
		kcal/h		5,760		
Heating capacity	Min.	kW		1.7		
		Btu/h		5,800		
		kcal/h		1,460		
	Nom.	kW		7.0		
		Btu/h		23,900		
		kcal/h		6,020		
	Max.	kW		8.0		
		Btu/h		27,300		
		kcal/h		6,880		
Power input	Cooling	Min.	kW	0.440		
		Nom.	kW	1.990		
		Max.	kW	2.400		
	Heating	Min.	kW	0.400		
		Nom.	kW	2.040		
		Max.	kW	2.810		
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A		
		Pdesign	kW	6.00		
		SEER		5.58		
		Annual energy consumption	kWh	376		
	Heating (Average climate)	Energy label		A		
		Pdesign	kW	4.80		
		SCOP		3.89		
		Annual energy consumption	kWh	1,728		
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	12.7		
	Drain	OD	mm	18		
	Heat insulation			Both liquid and gas pipes		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	9.2 (1) / 8.8 (2) / 8.4 (3)		
		Heating	A	9.4 (1) / 9.0 (2) / 8.6 (3)		
Nominal efficiency	EER			3.02		
	COP			3.43		
	Annual energy consumption			kWh	995	
	Energy label	Cooling			B	
		Heating			B	

Notes

(1) 220V

(2) 230V

(3) 240V

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

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

2 Specifications

2-3 Capacity and Power input				FVXS50F/RXS50L
Cooling capacity	Min.		kW	1.4
			Btu/h	4,800
			kcal/h	1,200
	Nom.		kW	5.0
			Btu/h	17,100
			kcal/h	4,300
	Max.		kW	5.6
			Btu/h	19,100.0
			kcal/h	4,820.0
Heating capacity	Min.		kW	1.4
			Btu/h	4,800
			kcal/h	1,200
	Nom.		kW	5.8
			Btu/h	19,800
			kcal/h	4,990
	Max.		kW	8.1
			Btu/h	27,600
			kcal/h	6,970
Power input	Cooling	Min.	kW	0.500
		Nom.	kW	1.550
		Max.	kW	2.000
	Heating	Min.	kW	0.500
		Nom.	kW	1.600
		Max.	kW	2.600
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+
		Pdesign	kW	5.00
		SEER		5.89
		Annual energy consumption	kWh	297
	Heating (Average climate)	Energy label		A
		Pdesign	kW	4.20
		SCOP		3.80
		Annual energy consumption	kWh	1,546
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	12.7
	Drain	OD	mm	20
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	7.2 (1) / 6.8 (2) / 6.6 (3)
		Heating	A	7.3 (1) / 7.0 (2) / 6.7 (3)
Nominal efficiency	EER			3.23
	COP			3.63
	Annual energy consumption		kWh	775
	Energy label	Cooling		A
		Heating		A

Notes

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

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

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

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

2 Specifications

2

2-4 Capacity and Power input				FLXS50B/RXS50L
Cooling capacity	Min.		kW	0.9
			Btu/h	3,070
			kcal/h	770
	Nom.		kW	4.9
			Btu/h	16,730
			kcal/h	4,210
	Max.		kW	5.3
			Btu/h	18,090
			kcal/h	4,560
Heating capacity	Min.		kW	0.9
			Btu/h	3,070
			kcal/h	770
	Nom.		kW	6.1
			Btu/h	20,830
			kcal/h	5,250
	Max.		kW	7.5
			Btu/h	18,090
			kcal/h	6,450
Power input	Cooling	Min.	kW	0.450
		Nom.	kW	1.720
		Max.	kW	1.950
	Heating	Min.	kW	0.310
		Nom.	kW	1.820
		Max.	kW	3.540
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A
		Pdesign	kW	4.90
		SEER		5.25
		Annual energy consumption	kWh	326
	Heating (Average climate)	Energy label		A
		Pdesign	kW	4.20
		SCOP		3.80
		Annual energy consumption	kWh	1,546
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	12.7
	Drain	OD	mm	20
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	8.0 (1) / 7.6 (2) / 7.3 (3)
		Heating	A	8.4 (1) / 8.0 (2) / 7.7 (3)
Nominal efficiency	EER			2.85
	COP			3.35
	Annual energy consumption		kWh	860
	Energy label	Cooling		C
		Heating		C

Notes

(1) 220V

(2) 230V

(3) 240V

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

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

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

2 Specifications

2-5 Capacity and Power input				FDXS50F9/RXS50L
Cooling capacity	Min.		kW	1.7
			Btu/h	5,800
			kcal/h	1,460
	Nom.		kW	5.0
			Btu/h	17,100
			kcal/h	4,300
	Max.		kW	5.3
			Btu/h	18,100
			kcal/h	4,560
Heating capacity	Min.		kW	1.7
			Btu/h	5,800
			kcal/h	1,460
	Nom.		kW	5.8
			Btu/h	19,800
			kcal/h	4,990
	Max.		kW	6.0
			Btu/h	20,500
			kcal/h	5,160
Power input	Cooling	Nom.	kW	1.650
	Heating	Nom.	kW	1.870
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+
		Pdesign	kW	5.00
		SEER		5.72
		Annual energy consumption	kWh	306
	Heating (Average climate)	Energy label		A
		Pdesign	kW	4.00
		SCOP		3.93
		Annual energy consumption	kWh	1,425
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	12.7
	Drain	OD	mm	VP20 (External dia.26 / Internal dia. 20)
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	7.1 (1)
		Heating	A	8.3 (1)
Nominal efficiency	EER			3.03
	COP			3.10
	Annual energy consumption		kWh	825
	Energy label	Cooling		B
		Heating		D

Notes

(1) 230V

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

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

2-6 Capacity and Power input				FDXS60F/RXS60L
Cooling capacity	Min.		kW	1.7
			Btu/h	5,800
			kcal/h	1,460
	Nom.		kW	6.0
			Btu/h	20,500
			kcal/h	5,160
	Max.		kW	6.5
			Btu/h	22,200
			kcal/h	5,590

2 Specifications

2

2-6 Capacity and Power input				FDXS60F/RXS60L
Heating capacity	Min.		kW	1.7
			Btu/h	5,800
			kcal/h	1,460
	Nom.		kW	7.0
			Btu/h	23,900
			kcal/h	6,020
	Max.		kW	8.0
			Btu/h	27,300
			kcal/h	6,880
Power input	Cooling	Nom.	kW	2.060
	Heating	Nom.	kW	2.180
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A
		Pdesign	kW	6.00
		SEER		5.51
		Annual energy consumption	kWh	381
	Heating (Average climate)	Energy label		A
		Pdesign	kW	4.60
		SCOP		3.80
		Annual energy consumption	kWh	1,693
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	12.7
	Drain	OD	mm	VP20 (External dia.26 / Internal dia. 20)
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	9.2 (1)
		Heating	A	10.0 (1)
Nominal efficiency	EER			2.91
	COP			3.21
	Annual energy consumption		kWh	1,030
	Energy label	Cooling		C
		Heating		C

Notes

(1) 230V

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

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

2-7 Capacity and Power input				FCQG50F/RXS50L	FCQG60F/RXS60L
Cooling capacity	Min.		kW	1.7	
			Btu/h	5,800	
			kcal/h	1,460	
	Nom.		kW	5.0	5.7
			Btu/h	17,060	19,450
			kcal/h	4,300	4,900
	Max.		kW	5.3	5.7
			Btu/h	18,100	19,450
			kcal/h	4,560	4,900
Heating capacity	Min.		kW	1.7	
			Btu/h	5,800	
			kcal/h	1,460	
	Nom.		kW	6.00	7.0
			Btu/h	20,472	23,890
			kcal/h	5,160	6,020
	Max.		kW	6.0	7.0
			Btu/h	20,500	23,890
			kcal/h	5,160	6,020

8

2 Specifications

2-7 Capacity and Power input				FCQG50F/RXS50L		FCQG60F/RXS60L	
Power input	Cooling	Nom.	kW	1.410		1.640	
	Heating	Nom.	kW	1.620		1.990	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++			
		Pdesign	kW	5.00		5.70	
		SEER		6.48		6.22	
		Annual energy consumption	kWh	270		321	
	Heating (Average climate)	Energy label		A++		A+	
		Pdesign	kW	4.36		4.71	
		SCOP		4.29		4.00	
		Annual energy consumption	kWh	1,426		1,646	
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	12.70			
	Drain	OD	mm	VP25 (External dia.32 / internal dia. 25)			
	Heat insulation			Both liquid and gas pipes			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	6.6 (1) / 6.3 (2) / 6.0 (3)		7.8 (1) / 7.4 (2) / 7.0 (3)	
		Heating	A	7.6 (1) / 7.3 (2) / 6.9 (3)		9.3 (1) / 8.9 (2) / 8.5 (3)	
Nominal efficiency	EER		3.55		3.48		
	COP		3.7		3.52		
	Annual energy consumption		kWh	705		820	
	Energy label	Cooling		A			
		Heating		A		B	

Notes

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

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

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

2-8 Capacity and Power input				FFQ50C/RXS50L		FFQ60C/RXS60L	
Cooling capacity	Min.	kW		1.7			
		Btu/h		5,800			
		kcal/h		1,460			
	Nom.	kW		5.0		5.7	
		Btu/h		17,060		19,450	
		kcal/h		4,300		4,900	
	Max.	kW		5.3		6.5	
		Btu/h		18,100		22,200	
		kcal/h		4,560		5,590	
Heating capacity	Min.	kW		1.7			
		Btu/h		5,800			
		kcal/h		1,460			
	Nom.	kW		5.8		7.0	
		Btu/h		19,790		23,900	
		kcal/h		4,990		6,020	
	Max.	kW		6.0		8.0	
		Btu/h		20,500.0		27,300	
		kcal/h		5,160.0		6,880	
Power input	Cooling	Nom.	kW	1.560		1.890	
	Heating	Nom.	kW	1.660		2.050	

2 Specifications

2

2-8 Capacity and Power input				FFQ50C/RXS50L	FFQ60C/RXS60L
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	
		Pdesign	kW	5.00	5.70
		SEER		5.93	5.71
		Annual energy consumption	kWh	295	349
	Heating (Average climate)	Energy label		A	A+
		Pdesign	kW	3.84	3.96
		SCOP		3.90	4.04
		Annual energy consumption	kWh	1,378	1,373
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	12.7	
	Drain	OD	mm	VP20 (External dia.26 / Internal dia. 20)	
	Heat insulation			Both liquid and gas pipes	
Current	Nominal running current (RLA) - 50Hz	Cooling	A	7.2 (1) / 6.9 (2) / 6.6 (3)	8.6 (1) / 8.3 (2) / 8.0 (3)
		Heating	A	7.6 (1) / 7.3 (2) / 7.0 (3)	9.3 (1) / 9.0 (2) / 8.7 (3)
Nominal efficiency	EER			3.21	3.02
	COP			3.49	3.41
	Annual energy consumption		kWh	780	945
	Energy label	Cooling		A	B
Heating			B		

Notes

(1) 220V

(2) 230V

(3) 240V

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

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

2-9 Capacity and Power input				FBQ50D/RXS50L	FBQ60D/RXS60L
Indoor unit				FBQ50D	FBQ60D
Outdoor unit				RXS50L	RXS60L
Cooling capacity	Nom.	kW	5.0 (1)	5.7 (1)	
Heating capacity	Nom.	kW	5.50 (1)	7.00 (1)	
Power input	Cooling	Nom.	kW	1.42 (1)	1.65 (1)
	Heating	Nom.	kW	1.44 (1)	1.89 (1)
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++	A+
		Pdesign	kW	5.00	5.70
		SEER		6.21	5.86
		Annual energy consumption	kWh	282	340
	Heating (Average climate)	Energy label		A+	
		Pdesign	kW	4.40	4.60
		SCOP		4.06	4.01
		Annual energy consumption	kWh	1,517	1,606
Nominal efficiency	EER			3.52 (2)	3.45 (2)
	COP			3.83 (2)	3.71 (2)
	Annual energy consumption		kWh	710	826
	Energy label	Cooling		A	
Heating			A		

Notes

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

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

2 Specifications

2-10 Capacity and Power input				FHQ50C/RXS50L		FHQ60C/RXS60L	
Cooling capacity	Min.		kW	1.7			
			Btu/h	5,800			
			kcal/h	1,460			
	Nom.		kW	5.0		5.7	
			Btu/h	17,060		19,450	
			kcal/h	4,300		4,900	
	Max.		kW	5.3		5.7	
			Btu/h	18,100		19,450	
			kcal/h	4,560		4,900	
Heating capacity	Min.		kW	1.7			
			Btu/h	5,800			
			kcal/h	1,460			
	Nom.		kW	6.0		7.20	
			Btu/h	20,472		24,570	
			kcal/h	5,160		6,190	
	Max.		kW	6.0		7.2	
			Btu/h	20,500		24,570	
			kcal/h	5,160		6,190	
Power input	Cooling	Nom.	kW	1.570		1.750	
	Heating	Nom.	kW	1.790		2.170	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+			
		Pdesign	kW	5.00		5.70	
		SEER		5.87		6.02	
		Annual energy consumption	kWh	298		332	
	Heating (Average climate)	Energy label		A			
		Pdesign	kW	4.35		4.71	
		SCOP		3.86		3.87	
		Annual energy consumption	kWh	1,578		1,705	
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	12.7			
	Drain	OD	mm	VP20 (External dia.26 / Internal dia. 20)			
	Heat insulation			Both liquid and gas pipes			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	7.5 (1) / 7.3 (2) / 7.0 (3)		8.1 (1) / 7.8 (2) / 7.5 (3)	
		Heating	A	8.3 (1) / 8.0 (2) / 7.7 (3)		9.9 (1) / 9.6 (2) / 9.3 (3)	
Nominal efficiency	EER			3.18		3.26	
	COP			3.35		3.32	
	Annual energy consumption		kWh	785		875	
	Energy label	Cooling		B		A	
		Heating		C			

Notes

(1) 220V

(2) 230V

(3) 240V

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

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

2-11 Capacity and Power input				FNQ50A/RXS50L		FNQ60A/RXS60L	
Cooling capacity	Nom.		kW	5.0		6.0	
Heating capacity	Nom.		kW	5.80		7.00	
Power input	Cooling	Nom.	kW	1.49		2.24	
	Heating	Nom.	kW	1.74		2.25	

2 Specifications

2

2-11 Capacity and Power input				FNQ50A/RXS50L		FNQ60A/RXS60L	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+		A	
		Pdesign	kW	5.00		6.00	
		SEER		5.72		5.51	
		Annual energy consumption	kWh	306		381	
	Heating (Average climate)	Energy label		A+			
		Pdesign	kW	4.00		4.60	
		SCOP		4.09		4.16	
		Annual energy consumption	kWh	1,369		1,548	
Nominal efficiency	EER		3.35 (1)		2.68 (1)		
	COP		3.34 (1)		3.11 (1)		
	Annual energy consumption	kWh	746		1,119		
	Energy label	Cooling		A		D	
		Heating		C		D	

Notes

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

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

2-12 Technical Specifications					RXS42L		RXS50L		RXS60L		
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		960		
		Depth	mm		364		390				
Weight	Unit		kg		39		47		48		
	Packed unit		kg		45		52		53		
Packing	Weight		kg		6		-				
Heat exchanger	Length		mm		810		845				
	Rows	Quantity		2							
	Fin pitch		mm		1.5		1.8				
	Stages	Quantity		24		32					
	Tube type		ø8 HI-XD		ø8 HI-XA						
	Fin	Type		Precoat Fin				Waffle louvered fin			
	Compressor	Model				2YC36BXD#C					
Type				Hermetically sealed swing compressor							
Output		W		1,100							
Fan	Type				Propeller fan						
	Air flow rate	Cooling	High	m³/min	37.3		50.9		50.2		
				cfm	1,317		1,797		1,798		
			Super low	m³/min	30.6		48.9		45.0		
		cfm		1,080		1,727		1,589			
		Heating	High	m³/min	31.3		45.0		46.3		
				cfm	1,105		1,589		1,635		
	Super low		m³/min	27.2		43.1		46.3			
cfm		960		1,522		1,635					

2 Specifications

2-12 Technical Specifications					RXS42L	RXS50L	RXS60L
Fan motor	Model				D50R-28	KFD-380-50-8D	
	Output			W	50	53	
	Speed	Cooling	High	rpm	890	780	860
			Super low	rpm	790	670	-
		Heating	High	rpm	890	720	740
	Low		rpm	-	-	740	
Super low	rpm		780	670	-		
Sound power level	Cooling			dBA	61	62	
	Heating			dBA	61	62	
Sound pressure level	Cooling	High	dBA	48		49	
		Low	dBA	-	44	46	
		Silent operation	dBA	44	-		
	Heating	High	dBA	48		49	
		Low	dBA	-	45	46	
		Silent operation	dBA	45	-		
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	46		
	Heating	Ambient	Min.	°CWB	-15		
			Max.	°CWB	18		
Refrigerant	Type				R-410A		
	Charge			kg	1.3	1.7	1.5
				TCO ₂ eq	2.7	3.5	3.1
	GWP				2,087.5		
Refrigerant oil	Type				FVC50K		
	Charged volume			l	0.650		
Piping connections	Liquid	OD	mm	-	6.35		
			mm	-	12.7		
	Gas	OD	mm	-	12.7		
			mm	-	12.7		
	Drain	ID	mm	-	-		
			mm	-	18	VP20 (External dia. 26 / Internal dia. 20)	
	Piping length	OU - IU	Max.	m	-	30	
	Additional refrigerant charge			kg/m	-	0.020 (for piping length exceeding 10m)	
Level difference	IU - OU	Max.	m	-	20.0		
Heat insulation				-	Both liquid and gas pipes		

2-13 Electrical Specifications					RXS42L	RXS50L	RXS60L
Power supply	Name				V1		
	Phase				1~		
	Frequency			Hz	50		
	Voltage			V	220-240	220-230-240	
Current	Nominal running current (RLA)	Cooling	A	5.89 / 5.59 / 5.39	6.48 / 6.18 / 5.89	8.66	
		Heating	A	6.46 / 6.16 / 5.87	6.65 / 6.36 / 6.06	9.46	
	Starting current	Cooling	A	6.6	6.8	10.2	
		Heating	A	6.6	6.8	10.2	
Current - 50Hz	Maximum fuse amps (MFA)		A	-			
Current - 60Hz	Maximum fuse amps (MFA)		A	-			
Wiring connections	For power supply	Quantity		-	3		
	For connection with indoor	Quantity		-	4		

Notes

220V

230V

240V

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

3

RXS42-60L

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	A	B	C	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXS42K3V1B	RXS42L2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	11	20	62	6.0 5.7 5.4	0,050	0,23	0,023	0,15
FTXS50K3V1B	RXS50L2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,5	20	65	6.3 6.0 5.7	0,053	0,27	0,023	0,15
FFQ50C2VEB	RXS50L2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	19,75	20		6.50 6.20 5.90	0,053	0,27	0,050	0,4
FFQ60C2VEB	RXS60L2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	19,75	20		8.00 7.70 7.40	0,053	0,32	0,050	0,6

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

A	Hz	OFM	Outdoor fan motor
B	Voltage	IFM	Indoor fan motor
C	Voltage range	FLA	Full Load Ampere (A)
MCA	Minimum Circuit Ampere (A)	kW	Fan motor rated output [kW]
MFA	Maximum Fuse Ampere (A)	RHz	Rated operating frequency [Hz]
RLA	Rated load amps [A]		

3D094925

RXS50-60L

Unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FCQG50FVEB	RXS50L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 253V Min. 50Hz 207V	19.75	20	6.0	0.053	0.27	0.048	0.30
						5.7				
						3.4				
FCQG60FVEB	RXS60L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 253V Min. 50Hz 207V	19.75	20	7.4	0.053	0.19	0.048	0.30
						7.1				
						6.8				

3D077408C

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

- RLA is based on the following conditions:
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 35°CDB
- 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.
- Maximum allowable voltage variation between phases is 2%.
- MCA/MFA
MCA = 1.25 x RLA + all FLA, MFA = < 2.25 x RLA + all FLA (next lower standard fuse rating Min. 16A)
- Select wire size based on the larger value of MCA.
- Instead of fuse, use circuit breaker.

3 Electrical data

3 - 1 Electrical Data

RXS50L

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS50FV1B	RXS50L2V1B	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				
FTXS50K2V1B	RXS50L2V1B	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				

3D070939C

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.

RXS50L

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	RXS50L2V1B	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	19.75	20	73	7.1	53	0.27	34	0.54

3D070940C

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.

3 Electrical data

3 - 1 Electrical Data

3

RXS50L

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FDXS50F2VEB9	RXS50L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	74	6.8	53	0.27	60	0.5

3D081370B

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.)

RXS50-60L

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ50CAVEB	RXS50L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	69	7.84	53	0.23	60	0.6
							7.50				
							7.19				
FHQ60CAVEB	RXS60L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	73	9.24	53	0.27	60	0.6
							8.84				
							8.47				

3D086506

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

RXS60L

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FDXS60F2VEB	RXS60L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19,75	20	87	8,9	53	0,32	60	0,5

3D081371A

SYMBOLS

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

NOTES

- 1 RLA is based on the following conditions:
Indoor temp.: 27°CDB/19°CWB
Outdoor temp.: 35°CDB
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.
- 5 Be sure to install an earth leak detector. (One that can handle higher harmonics.) (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector.)

RXS50-60L

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FBQ50D2VEB	RXS50L2V1B	50	220- 240V	MAX. 50Hz 264V MIN. 50Hz 198V	18	20	64	5,3	0,053	0,23	0,089	0,6
FBQ60D2VEB	RXS60L2V1B				18	20	69	6,1	0,053	0,27	0,07	0,5

Notes

- 1 The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- 2 Select the wire size according to the MCA.
- 3 The maximum allowable voltage that is unbalanced between phases is 2%.
- 4 Use a circuit breaker instead of a fuse.

Symbols

- ① Hz
- ② Voltage
- ③ Voltage range
- MCA Minimum Circuit Ampere (A)
- MFA Maximum Fuse Ampere (A)
- RLA Rated load amps [A]

- OFM Outdoor fan motor
- IFM Indoor fan motor
- FLA Full Load Ampere (A)
- kW Fan motor rated output [kW]
- RHz Rated operating frequency [Hz]
- COMP Compressor

3D094863B

3 Electrical data

3 - 1 Electrical Data

3

RXS50-60L

Unit combination restrictions		Power supply				COMP		OFM		IFM		
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FNQ50A2VEB	RXS50L2V1B	50	220-240V	MAX. 50Hz 264V MIN. 50Hz 198V	19.75	20	74	6.8	0.053	0.27	0.06	0.5
FNQ60A2VEB	RXS60L2V1B						87	8.9		0.32		

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

- | | |
|--------------------------------|------------------------------------|
| ① Hz | OFM Outdoor fan motor |
| ② Voltage | IFM Indoor fan motor |
| ③ Voltage range | FLA Full Load Ampere (A) |
| MCA Minimum Circuit Ampere (A) | kW Fan motor rated output [kW] |
| MFA Maximum Fuse Ampere (A) | RHz Rated operating frequency [Hz] |
| RLA Rated load amps [A] | COMP Compressor |

3D096315C

RXS60L

RXS71F8

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS60GV1B	RXS60L2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	84	8.7	53	0.32	43	0.16
		50 - 230					8.3				
		50 - 240					7.9				
FTXS71GV1B	RXS71FAV1B8	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	57	10.3	66	0.40	43	0.19
		50 - 230					9.9				
		50 - 240					9.4				

3D056032F

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

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS42K3V1B + RXS42L2V1B

AFR	11,2
BF	0,15

Cooling 220-240V 50Hz

A	B	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
20	14	3,13	2,50	0,89	3,13	2,50	1,01	3,13	2,50	1,14	3,13	2,50	1,18	3,13	2,50	1,24	3,13	2,50	1,33
22	16	4,19	2,89	0,96	4,19	2,89	1,05	4,11	2,85	1,15	4,03	2,81	1,19	3,91	2,75	1,24	3,71	2,66	1,34
25	18	4,69	3,16	0,98	4,49	3,07	1,06	4,30	2,98	1,16	4,22	2,95	1,20	4,10	2,90	1,25	3,91	2,81	1,34
27	19	4,79	3,32	0,98	4,59	3,23	1,07	4,40	3,15	1,16	4,32	3,11	1,20	4,20	3,06	1,25	4,00	2,98	1,35
30	22	5,08	3,19	0,99	4,88	3,12	1,07	4,69	3,04	1,17	4,61	3,01	1,21	4,49	2,97	1,26	4,29	2,90	1,36
32	24	5,27	3,10	0,99	5,07	3,03	1,08	4,88	2,97	1,18	4,80	2,94	1,21	4,68	2,90	1,26	4,49	2,83	1,36

AFR	12,4
-----	------

Heating 220-240V 50Hz

A	D											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	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	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	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	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	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	2,19	0,90	2,71	0,94	3,23	0,99	4,41	1,29	5,14	1,35	5,23	1,35

Notes

- The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5.0 m
 Level difference: 0m
- The bold cells indicate the standard conditions.
 Rated operating frequency [Hz]

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- SHC: Sensible heat capacity [kW]
- AFR: Air flow rate [m³/min]
- BF: Bypass factor

- A Indoor air temperature [°C DB]
- B Indoor air temperature [°C WB]
- C Outdoor air temperature [°C DB]
- D Outdoor air temperature [°C WB]

3D095699

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FTXS50K3V1B + RXS50L2V1B

AFR	11,9
BF	0,13

Cooling 220-240V 50Hz

A	B	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
20	14	3,41	2,72	1,05	3,41	2,72	1,21	3,41	2,72	1,36	3,41	2,72	1,42	3,41	2,72	1,48	3,41	2,72	1,60
22	16	4,56	3,14	1,12	4,56	3,14	1,26	4,56	3,14	1,38	4,56	3,14	1,43	4,56	3,14	1,50	4,42	3,07	1,60
25	18	5,58	3,66	1,16	5,35	3,55	1,28	5,12	3,45	1,39	5,02	3,40	1,43	4,88	3,34	1,51	4,65	3,24	1,61
27	19	5,70	3,83	1,17	5,47	3,72	1,28	5,23	3,62	1,40	5,14	3,58	1,44	5,00	3,52	1,51	4,77	3,42	1,61
30	22	6,04	3,68	1,19	5,81	3,59	1,29	5,58	3,50	1,41	5,49	3,46	1,45	5,35	3,40	1,52	5,11	3,32	1,62
32	24	6,27	3,57	1,19	6,04	3,49	1,30	5,81	3,40	1,41	5,72	3,37	1,45	5,58	3,32	1,53	5,34	3,24	1,63

AFR	13,3
-----	------

Heating 220-240V 50Hz

A	D											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	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	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	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	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	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	2,35	1,00	2,91	1,04	3,47	1,09	4,73	1,42	5,52	1,50	6,04	1,54

Notes

- The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5.0 m
 Level difference: 0m
- The bold cells indicate the standard conditions.
 Rated operating frequency [Hz]

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- SHC: Sensible heat capacity [kW]
- AFR: Air flow rate [m³/min]
- BF: Bypass factor

- A Indoor air temperature [°C DB]
- B Indoor air temperature [°C WB]
- C Outdoor air temperature [°C DB]
- D Outdoor air temperature [°C WB]

3D095698

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS60GV1B + RXS60L2V1B

Cooling 50Hz 220-240V

AFR	16.0
BF	0.29

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

Heating 50Hz 220-240V

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

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

3D066318C

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

4

FVXS50FV1B + RXS50L2V1B

Cooling 50Hz 220-240V

AFR	10.7
BF	0.13

Indoor		Outdoor temp. (°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	4.53	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 EDB (°C)	Outdoor temp. (°CWB)									
	-10		-5		0		6		10	
	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

3D079452B

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: 5.0m
 - Level difference: 0m
-  shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS50BAVMB + RXS50L2V1B

Cooling 50Hz 220-240V

AFR	11.4
BF	0.18

Indoor		Outdoor temp. (°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	4.96	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 (°C)		-15		-10		-5		0		6		10	
		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

3D079441B

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

4

FDXS50F2VEB9 + RXS50L2V1B

Cooling 50Hz 220-240V

AFR	12.0
BF	0.11

Indoor		Outdoor temp. (°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	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	16.0
-----	------

Indoor EDB (°C)	Outdoor temp. (°CWB)									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.58	4.56	1.66	5.21	1.73	6.00	1.83	6.52	1.89
20.0	3.70	1.63	4.36	1.70	5.01	1.78	5.80	1.87	6.32	1.93
22.0	3.62	1.64	4.28	1.71	4.93	1.79	5.72	1.89	6.24	1.95
24.0	3.54	1.66	4.20	1.73	4.85	1.81	5.64	1.90	6.16	1.97
25.0	3.50	1.67	4.16	1.74	4.81	1.82	5.60	1.91	6.12	1.98
27.0	3.42	1.68	4.08	1.76	4.73	1.84	5.52	1.93	6.04	1.99

3D086538

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.
- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- 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.
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS60F2VEB + RXS60L2V1B

Cooling 50Hz 220-240V

AFR	16.0
BF	0.12

Indoor		Outdoor temp. (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	6.12	4.31	1.63	5.87	4.18	1.79	5.59	4.03	1.95	5.48	3.97	2.01	5.31	3.89	2.11	5.03	3.74	2.26
16.0	22	6.42	4.25	1.64	6.14	4.11	1.80	5.86	3.97	1.96	5.75	3.92	2.02	5.59	3.84	2.12	5.31	3.70	2.27
18.0	25	6.70	4.41	1.65	6.42	4.28	1.81	6.14	4.15	1.97	6.03	4.10	2.03	5.86	4.02	2.13	5.58	3.90	2.28
19.0	27	6.84	4.61	1.66	6.56	4.49	1.82	6.28	4.36	1.97	6.17	4.31	2.04	6.00	4.24	2.13	5.72	4.12	2.29
22.0	30	7.25	4.43	1.67	6.97	4.32	1.83	6.69	4.21	1.99	6.58	4.17	2.05	6.41	4.10	2.14	6.14	4.00	2.30
24.0	32	7.53	4.30	1.68	7.25	4.20	1.84	6.97	4.10	2.00	6.86	4.06	2.06	6.69	4.00	2.15	6.41	3.91	2.31

Heating 50Hz 220-240V

AFR	16.0
-----	------

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

3D081326A

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: 7.5m
Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG50FVEB + RXS50L2V1B

Cooling 220-240V 50Hz

AFR	12,6
BF	0,22

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	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 °C		-10		-5		0		6		10	
		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

3D077499B

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG60FVEB + RXS60L2V1B

Cooling 220-240V 50Hz

AFR	13.6
BF	0.20

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	5,84	4,01	1,26	5,57	3,86	1,38	5,31	3,72	1,50	5,20	3,66	1,55	5,04	3,58	1,62	4,78	3,44	1,74
16,0	22	6,10	3,94	1,27	5,84	3,80	1,39	5,57	3,67	1,51	5,47	3,61	1,56	5,31	3,53	1,63	5,04	3,40	1,75
18,0	25	6,36	4,07	1,27	6,10	3,94	1,39	5,83	3,81	1,52	5,73	3,76	1,56	5,57	3,69	1,64	5,30	3,56	1,76
19,0	27	6,50	4,24	1,28	6,23	4,11	1,40	5,97	3,99	1,52	5,86	3,94	1,57	5,70	3,87	1,64	5,43	3,75	1,76
22,0	30	6,89	4,07	1,29	6,62	3,95	1,41	6,36	3,85	1,53	6,25	3,80	1,58	6,09	3,74	1,65	5,83	3,63	1,77
24,0	32	7,15	3,94	1,29	6,89	3,84	1,42	6,62	3,74	1,54	6,52	3,70	1,59	6,36	3,64	1,66	6,09	3,54	1,78

Heating 220-240V 50Hz

AFR	13.6
-----	------

Indoor		Outdoor temperature (°CWB)									
EDB °C	°C	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		4,71	1,68	5,50	1,76	6,29	1,85	7,24	1,95	7,87	2,01
20,0		4,47	1,73	5,26	1,81	6,05	1,89	7,00	1,99	7,63	2,06
22,0		4,37	1,75	5,16	1,83	5,95	1,91	6,90	2,01	7,54	2,07
24,0		4,28	1,76	5,07	1,85	5,86	1,93	6,81	2,03	7,12	2,09
25,0		4,23	1,77	5,02	1,85	5,81	1,94	6,76	2,03	6,90	2,10
27,0		4,13	1,79	4,92	1,87	5,71	1,95	6,45	2,05	6,45	2,11

3D077501B

SYMBOLS

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

NOTES

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FFQ50C2VEB + RXS50L2V1B

Cooling 50Hz 220-240V

AFR	12
BF	0.16

Indoor		Outdoor temp. (°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	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 (°C)		-15		-10		-5		0		6		10	
		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

3D082544A

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

- shows nominal (rated) capacities and power input.
- 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

FFQ60C2VEB + RXS60L2V1B

Cooling 50Hz 220-240V

AFR	14.5
BF	0.11

Indoor		Outdoor temp. (°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	5.76	4.23	1.57	5.61	4.16	1.66	5.46	4.09	1.74	5.41	4.06	1.78	5.32	4.02	1.84	5.17	3.95	1.92
16.0	22	5.92	4.27	1.60	5.77	4.20	1.68	5.62	4.13	1.77	5.56	4.10	1.80	5.47	4.06	1.85	5.33	3.99	1.94
18.0	25	6.06	4.29	1.62	5.92	4.23	1.71	5.77	4.16	1.79	5.71	4.13	1.83	5.62	4.09	1.88	5.47	4.02	1.96
19.0	27	6.14	4.31	1.63	5.99	4.25	1.72	5.85	4.18	1.81	5.79	4.15	1.84	5.70	4.11	1.89	5.55	4.04	1.98
22.0	30	6.37	4.36	1.66	6.22	4.29	1.75	6.07	4.23	1.84	6.01	4.20	1.87	5.93	4.16	1.93	5.78	4.09	2.01
24.0	32	6.53	4.39	1.69	6.38	4.32	1.78	6.23	4.26	1.86	6.17	4.23	1.90	6.08	4.19	1.95	5.94	4.12	2.04

Heating 50Hz 220-240V

AFR	14.5
-----	------

Indoor		Outdoor temp. (°CWB)											
EDB (°C)		-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0		3.51	1.47	4.36	1.57	5.21	1.68	6.05	1.78	7.07	1.90	7.75	1.98
18.0		3.48	1.55	4.32	1.65	5.17	1.75	6.02	1.85	7.04	1.98	7.71	2.06
20.0		3.44	1.62	4.29	1.72	5.14	1.83	5.98	1.93	7.00	2.05	7.68	2.13
21.0		3.43	1.65	4.27	1.76	5.12	1.86	5.97	1.97	6.98	2.08	7.66	2.17
22.0		3.41	1.70	4.25	1.79	5.10	1.90	5.95	2.00	6.97	2.12	7.64	2.21
24.0		3.37	1.77	4.22	1.87	5.07	1.98	5.91	2.07	6.93	2.20	7.61	2.28

3D082545A

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

4

FHQ50CAVEB + RXS50L2V1B

Cooling 50Hz 220-240V

AFR	15.0
BF	0.18

Indoor		Outdoor temp. (°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	5.84	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 50Hz 220-240V

AFR	15.0
-----	------

Indoor		Outdoor temp. (°CWB)											
EDB (°C)		-15		-10		-5		0		6		10	
		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

3D086561

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

FHQ60CAVEB + RXS60L2V1B

Cooling 50Hz 220-240V

AFR	19.5
BF	0.2

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

Heating 50Hz 220-240V

AFR	19.5
-----	------

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

3D086560

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

4

FBQ50D2VEB + RXS50L2V1B

Cooling 50Hz 220-240V

AFR	15,0
BF	0,13

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20,0			25,0			30,0			32,0			35,0			40,0		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20,0	5,12	3,84	1,09	4,89	3,72	1,19	4,66	3,61	1,30	4,56	3,56	1,34	4,42	3,49	1,40	4,19	3,38	1,51
16,0	22,0	5,35	3,77	1,10	5,12	3,66	1,20	4,89	3,55	1,31	4,79	3,51	1,35	4,65	3,45	1,41	4,42	3,34	1,52
18,0	25,0	5,58	3,95	1,10	5,35	3,85	1,21	5,12	3,75	1,31	5,02	3,71	1,35	4,88	3,66	1,42	4,65	3,56	1,52
19,0	27,0	5,70	4,18	1,11	5,47	4,08	1,21	5,23	3,98	1,32	5,14	3,94	1,36	5,00	3,89	1,42	4,77	3,79	1,52
22,0	30,0	6,04	4,03	1,11	5,81	3,94	1,22	5,58	3,86	1,32	5,49	3,82	1,37	5,35	3,77	1,43	5,11	3,69	1,53
24,0	32,0	6,27	3,92	1,12	6,04	3,85	1,23	5,81	3,77	1,33	5,72	3,74	1,37	5,58	3,69	1,44	5,34	3,62	1,54

Heating 50Hz 220-240V

AFR	15,0
-----	------

Indoor		Outdoor temperature [°C WB]									
EDB		-10,0		-5,0		0,0		6,0		10,0	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		3,70	1,22	4,32	1,28	4,94	1,34	5,69	1,41	6,19	1,46
20,0		3,51	1,25	4,13	1,31	4,75	1,37	5,50	1,44	6,00	1,49
22,0		3,44	1,26	4,06	1,32	4,68	1,38	5,42	1,45	5,92	1,50
24,0		3,36	1,28	3,98	1,34	4,60	1,39	5,35	1,47	5,84	1,51
25,0		3,32	1,28	3,94	1,34	4,56	1,40	5,31	1,47	5,81	1,52
27,0		3,25	1,30	3,87	1,35	4,49	1,41	5,23	1,49	5,73	1,53

Symbols

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

Notes

- 1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- 2) The bold cells indicate the standard conditions.
- 3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- 4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- 5) The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- 6) The air flow rate and bypass factor are mentioned in the table.

3D095139A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBQ60D2VEB + RXS60L2V1B

Cooling 50Hz 220-240V

AFR	18,0
BF	0,15

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20,0			25,0			30,0			32,0			35,0			40,0		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20,0	5,84	4,42	1,27	5,57	4,28	1,39	5,31	4,16	1,51	5,20	4,10	1,56	5,04	4,03	1,63	4,78	3,90	1,76
16,0	22,0	6,10	4,34	1,27	5,84	4,22	1,40	5,57	4,09	1,52	5,47	4,05	1,57	5,31	3,97	1,64	5,04	3,86	1,76
18,0	25,0	6,36	4,56	1,28	6,10	4,44	1,40	5,83	4,33	1,53	5,73	4,29	1,58	5,57	4,22	1,65	5,30	4,11	1,77
19,0	27,0	6,50	4,82	1,29	6,23	4,71	1,41	5,97	4,60	1,53	5,86	4,56	1,58	5,70	4,49	1,65	5,43	4,39	1,77
22,0	30,0	6,89	4,65	1,30	6,62	4,55	1,42	6,36	4,46	1,54	6,25	4,42	1,59	6,09	4,36	1,66	5,83	4,27	1,79
24,0	32,0	7,15	4,53	1,30	6,89	4,44	1,43	6,62	4,36	1,55	6,52	4,32	1,60	6,36	4,27	1,67	6,09	4,18	1,79

Heating 50Hz 220-240V

AFR	18,0
-----	------

Indoor		Outdoor temperature [°C WB]									
EDB		-10,0		-5,0		0,0		6,0		10,0	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		4,71	1,60	5,50	1,67	6,29	1,75	7,24	1,84	7,87	1,91
20,0		4,47	1,64	5,26	1,72	6,05	1,79	7,00	1,89	7,63	1,95
22,0		4,37	1,66	5,16	1,73	5,95	1,81	6,90	1,90	7,54	1,97
24,0		4,28	1,67	5,07	1,75	5,86	1,83	6,81	1,92	7,44	1,98
25,0		4,23	1,68	5,02	1,76	5,81	1,84	6,76	1,93	7,39	1,99
27,0		4,13	1,70	4,92	1,78	5,71	1,85	6,66	1,95	7,29	2,01

Symbols

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

Notes

- 1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- 2) The bold cells indicate the standard conditions.
- 3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- 4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- 5) The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5 m
 Level difference: 0m
- 6) The air flow rate and bypass factor are mentioned in the table.

3D095140B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FNQ50A2VEB + RXS50L2V1B

Cooling 50Hz 230V

AFR	16,0
BF	0,12

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20,0			25,0			30,0			32,0			35,0			40,0		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20,0	5,12	3,94	1,15	4,89	3,83	1,26	4,66	3,71	1,37	4,56	3,67	1,41	4,42	3,60	1,48	4,19	3,49	1,59
16,0	22,0	5,35	3,87	1,15	5,12	3,77	1,26	4,89	3,66	1,37	4,79	3,62	1,42	4,65	3,56	1,48	4,42	3,45	1,59
18,0	25,0	5,58	4,08	1,16	5,35	3,98	1,27	5,12	3,88	1,38	5,02	3,84	1,42	4,88	3,78	1,49	4,65	3,69	1,60
19,0	27,0	5,70	4,32	1,16	5,47	4,22	1,27	5,23	4,13	1,38	5,14	4,09	1,43	5,00	4,04	1,49	4,77	3,94	1,60
22,0	30,0	6,04	4,17	1,17	5,81	4,09	1,28	5,58	4,00	1,39	5,49	3,97	1,44	5,35	3,92	1,50	5,11	3,84	1,61
24,0	32,0	6,27	4,07	1,18	6,04	3,99	1,29	5,81	3,92	1,40	5,72	3,89	1,44	5,58	3,84	1,51	5,34	3,77	1,62

Heating 50Hz 230V

AFR	16,0
-----	------

Indoor		Outdoor temperature [°C WB]									
EDB		-10,0		-5,0		0,0		6,0		10,0	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		3,90	1,47	4,56	1,54	5,21	1,61	6,00	1,70	6,52	1,76
20,0		3,70	1,51	4,36	1,58	5,01	1,65	5,80	1,74	6,32	1,79
22,0		3,62	1,52	4,28	1,60	4,93	1,67	5,72	1,75	6,24	1,81
24,0		3,54	1,54	4,20	1,61	4,85	1,68	5,64	1,77	6,16	1,83
25,0		3,50	1,55	4,16	1,62	4,81	1,69	5,60	1,78	6,12	1,83
27,0		3,42	1,56	4,08	1,63	4,73	1,71	5,52	1,79	6,04	1,85

Symbols

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

Notes

- 1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- 2) The bold cells indicate the standard conditions.
- 3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- 4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- 5) The capacities are based on the following conditions:
Corresponding refrigerant piping length: 7 m
Level difference: 0m
- 6) The air flow rate and bypass factor are mentioned in the table.

3D096748

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNQ60A2VEB + RXS60L2V1B

Cooling 50Hz 230V

AFR	16,0
BF	0,12

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20,0			25,0			30,0			32,0			35,0			40,0		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20,0	5,78	4,27	1,72	5,78	4,27	1,88	5,59	4,17	2,05	5,48	4,11	2,11	5,31	4,03	2,21	3,58	3,21	2,08
16,0	22,0	6,42	4,38	1,73	6,14	4,24	1,89	5,86	4,11	2,06	5,75	4,06	2,12	5,59	3,98	2,22	3,78	3,17	2,08
18,0	25,0	6,70	4,57	1,74	6,42	4,44	1,90	6,14	4,32	2,07	6,03	4,27	2,13	5,86	4,20	2,23	3,97	3,41	2,08
19,0	27,0	6,84	4,80	1,74	6,56	4,68	1,91	6,28	4,56	2,07	6,17	4,51	2,14	6,00	4,44	2,24	4,07	3,67	2,08
22,0	30,0	7,25	4,62	1,76	6,97	4,52	1,92	6,69	4,41	2,09	6,58	4,37	2,15	6,41	4,31	2,25	4,35	3,58	2,08
24,0	32,0	7,53	4,50	1,77	7,25	4,40	1,93	6,97	4,30	2,10	6,86	4,26	2,16	6,69	4,21	2,26	4,54	3,52	2,08

Heating 50Hz 230V

AFR	16,0
-----	------

Indoor		Outdoor temperature [°C WB]									
EDB		-10,0		-5,0		0,0		6,0		10,0	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		4,71	1,90	5,50	2,00	6,29	2,09	7,24	2,20	7,87	2,27
20,0		4,47	1,95	5,26	2,05	6,05	2,14	7,00	2,25	7,63	2,33
22,0		4,37	1,97	5,16	2,07	5,95	2,16	6,90	2,27	7,54	2,35
24,0		4,28	1,99	5,07	2,09	5,86	2,18	6,81	2,29	7,44	2,37
25,0		4,23	2,01	5,02	2,10	5,81	2,19	6,76	2,30	7,39	2,38
27,0		4,13	2,03	4,92	2,12	5,71	2,21	6,66	2,32	7,29	2,40

Symbols

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

Notes

- 1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- 2) The bold cells indicate the standard conditions.
- 3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- 4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- 5) The capacities are based on the following conditions:
Corresponding refrigerant piping length: 7 m
Level difference: 0m
- 6) The air flow rate and bypass factor are mentioned in the table.

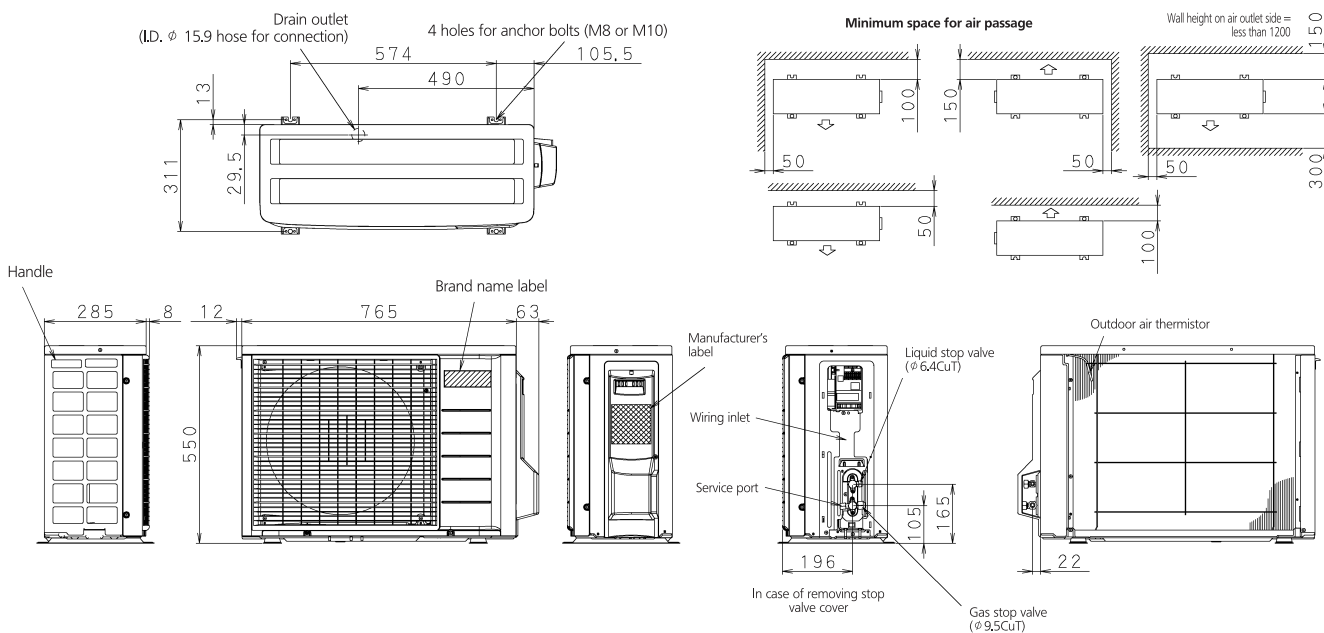
3D096573

5 Dimensional drawings

5 - 1 Dimensional Drawings

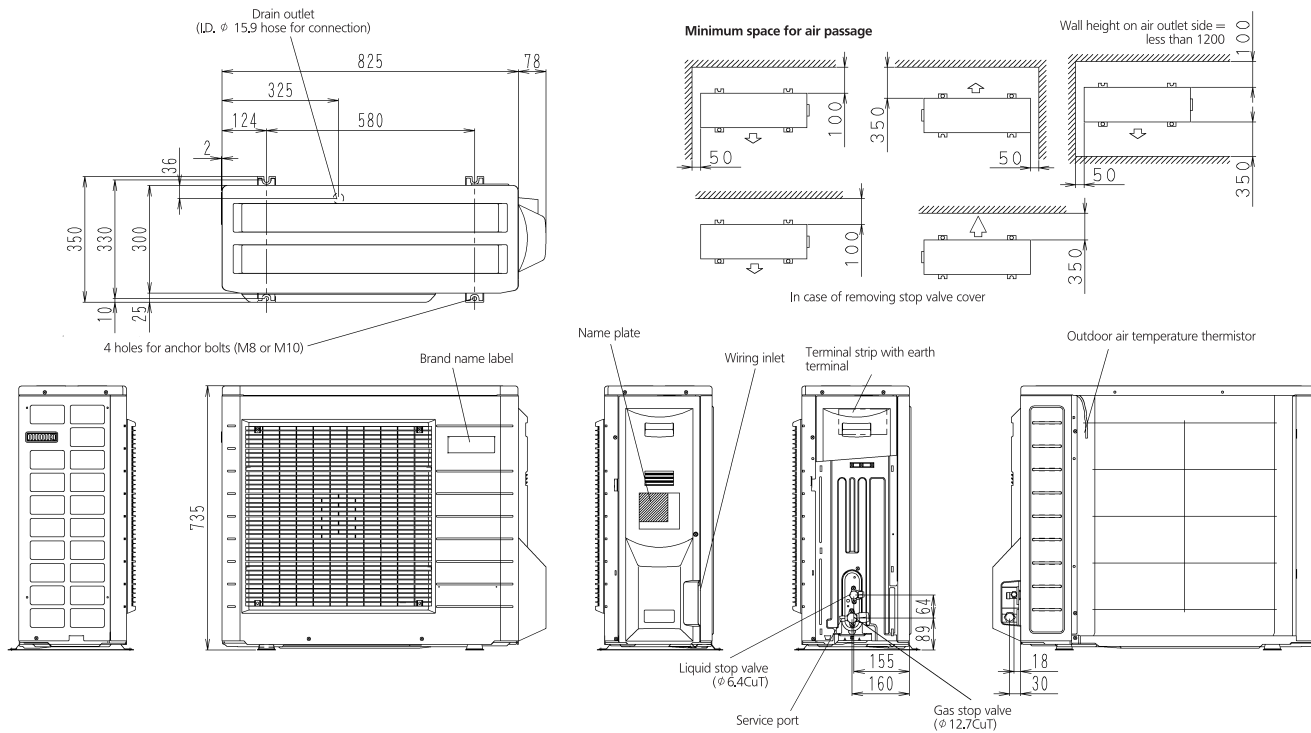
5

RXS42L



3D05546H

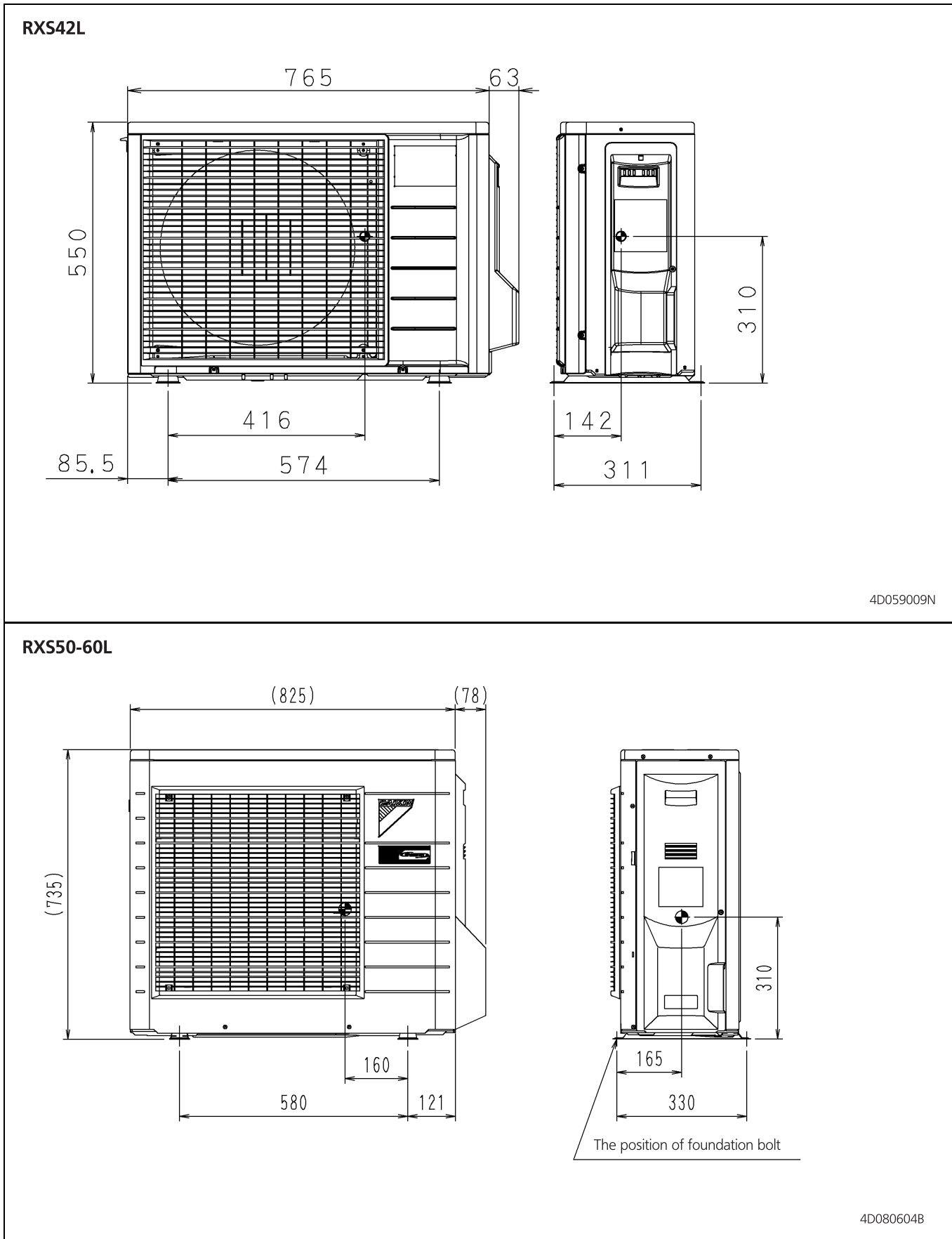
RXS50-60L



3D051657U

6 Centre of gravity

6 - 1 Centre of Gravity

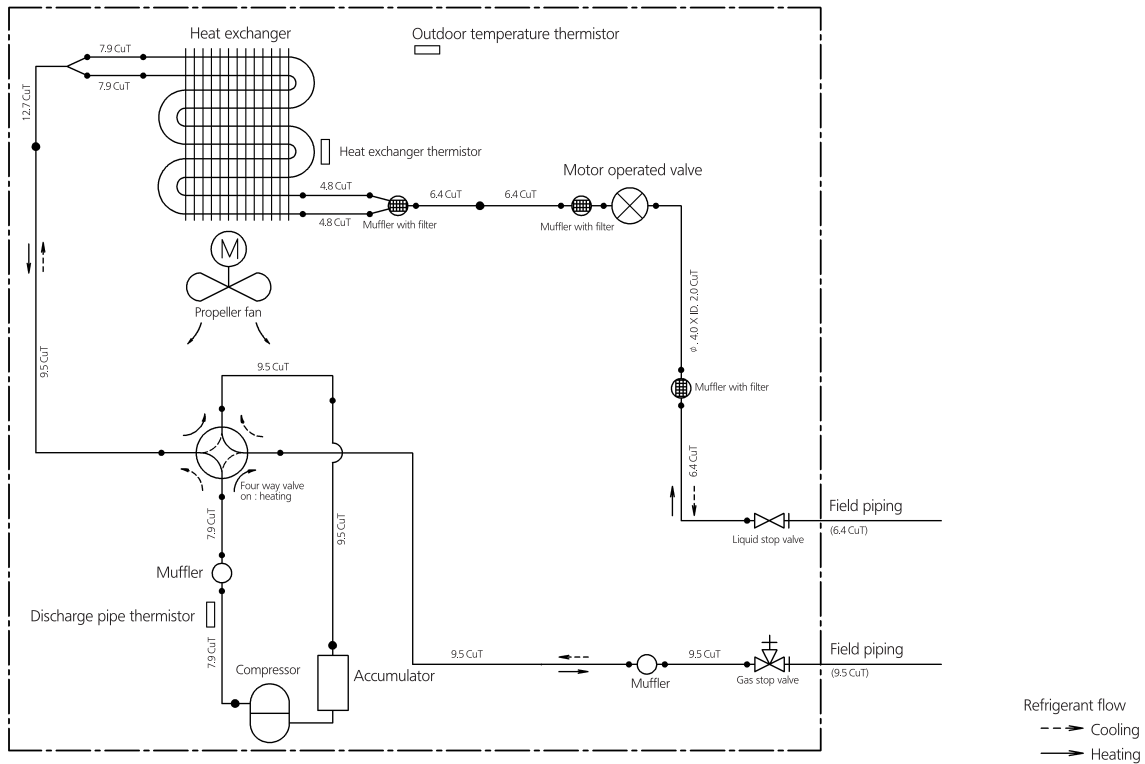


7 Piping diagrams

7 - 1 Piping Diagrams

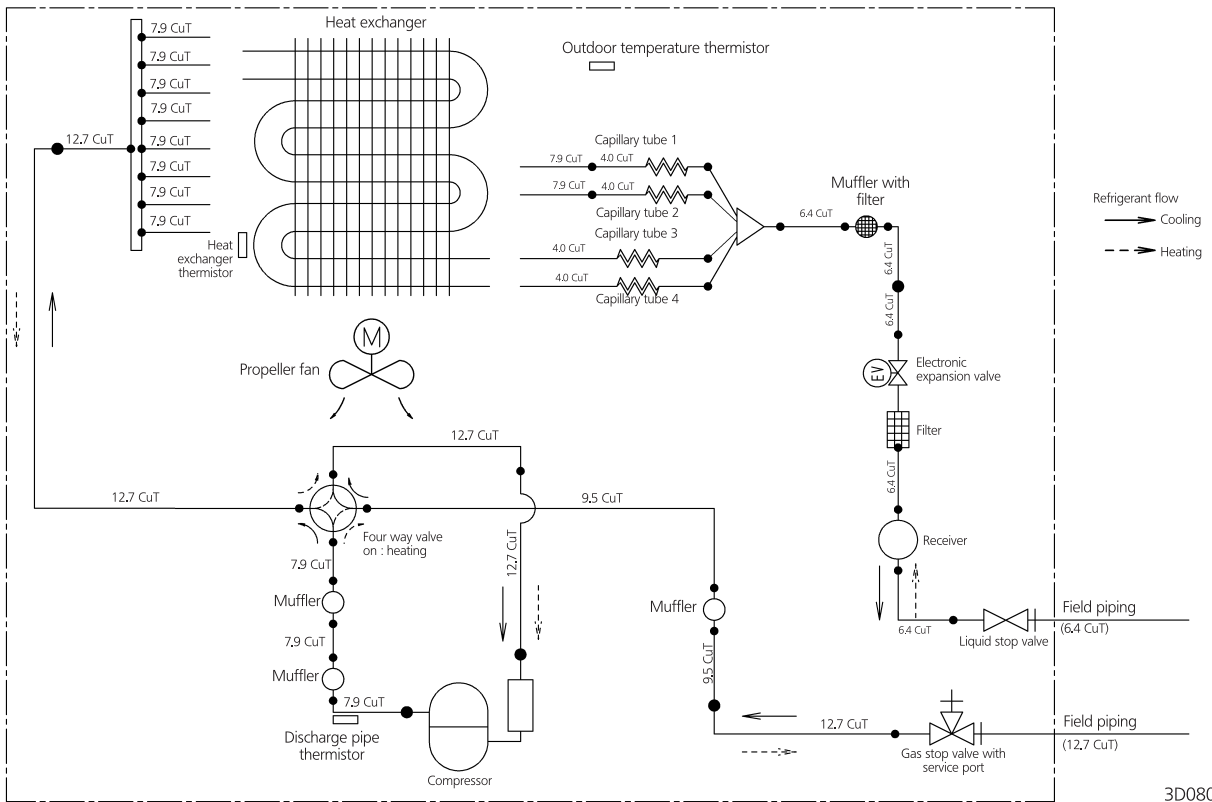
7

RXS42L



3D059590F

RXS50-60L

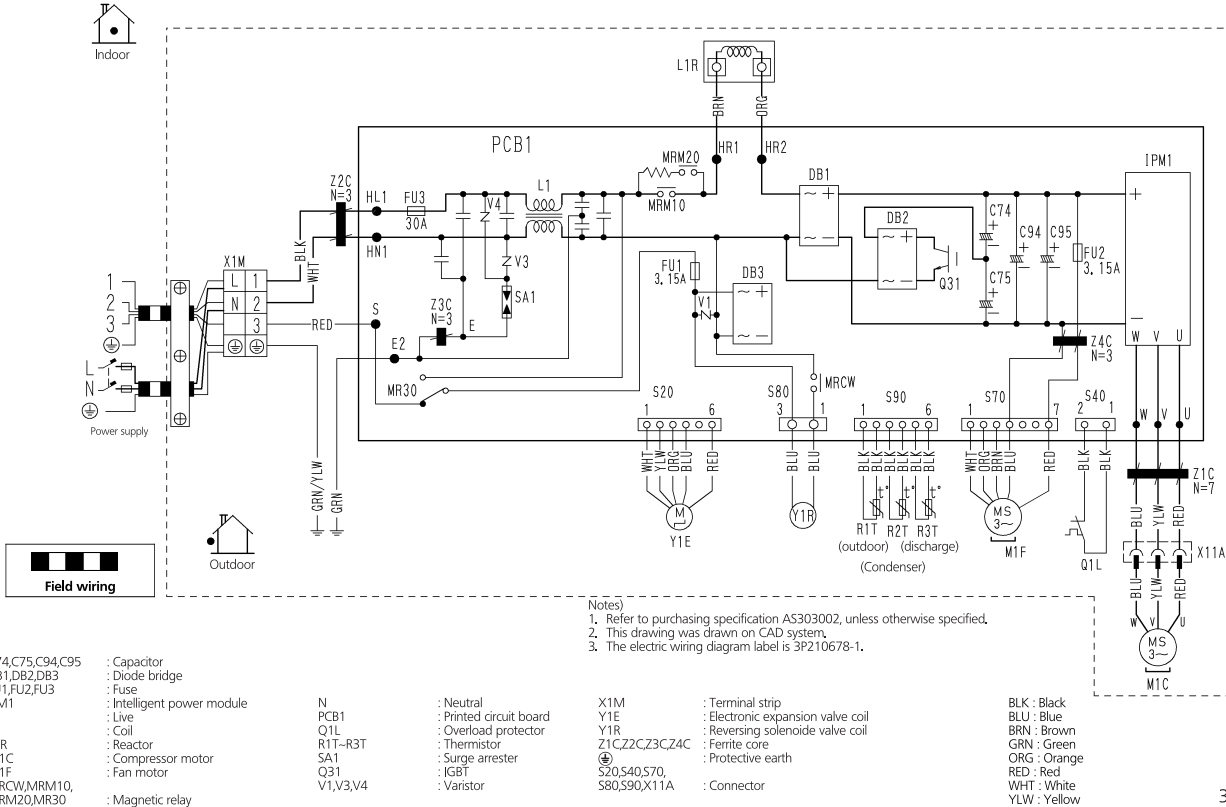


3D080605C

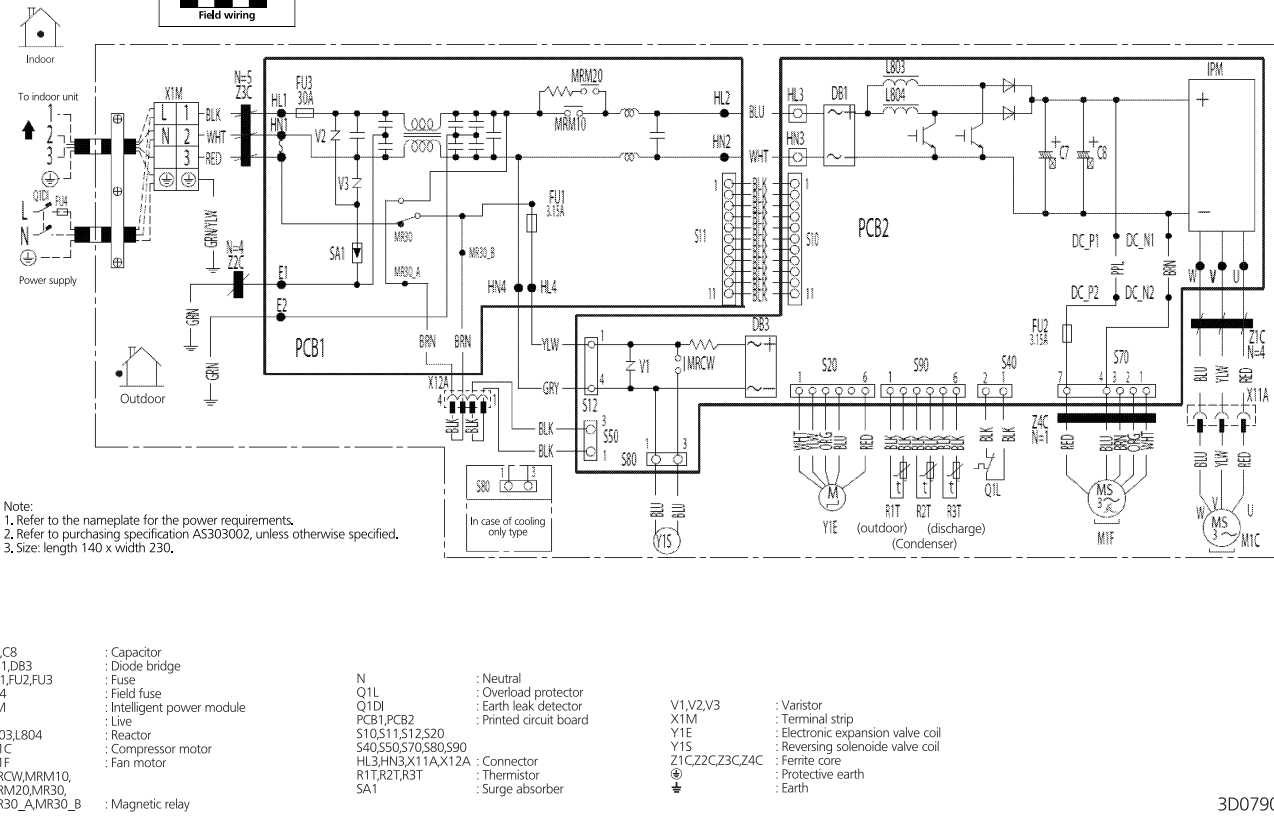
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS42L



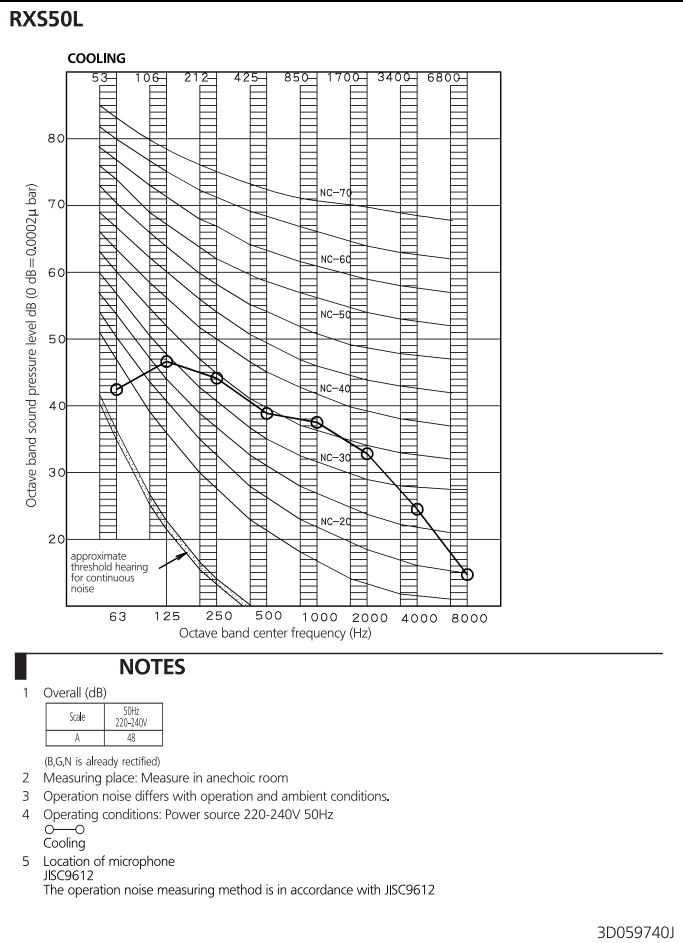
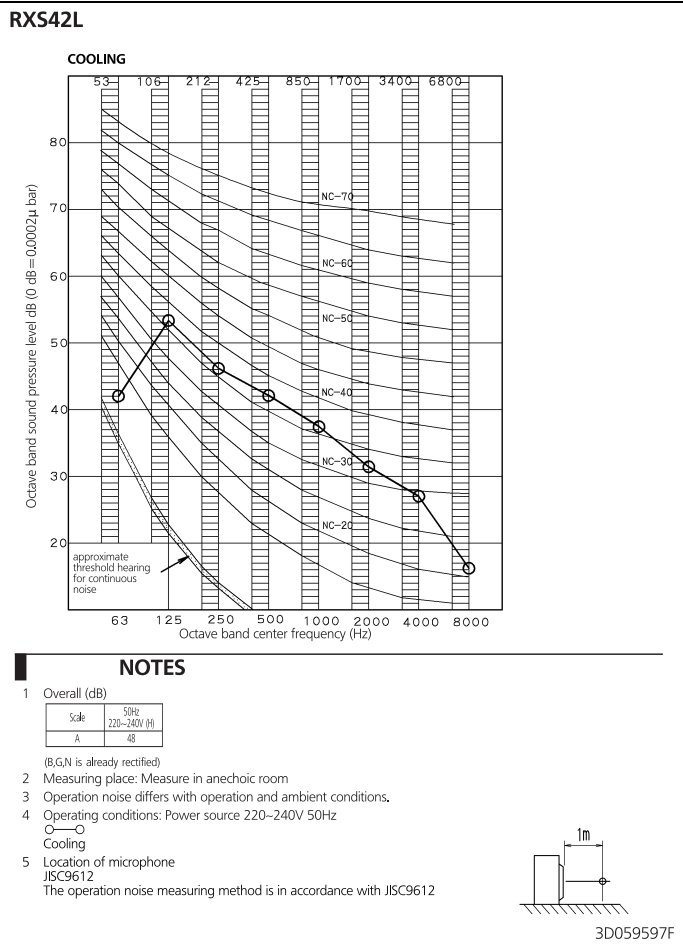
RXS50-60L



9 Sound data

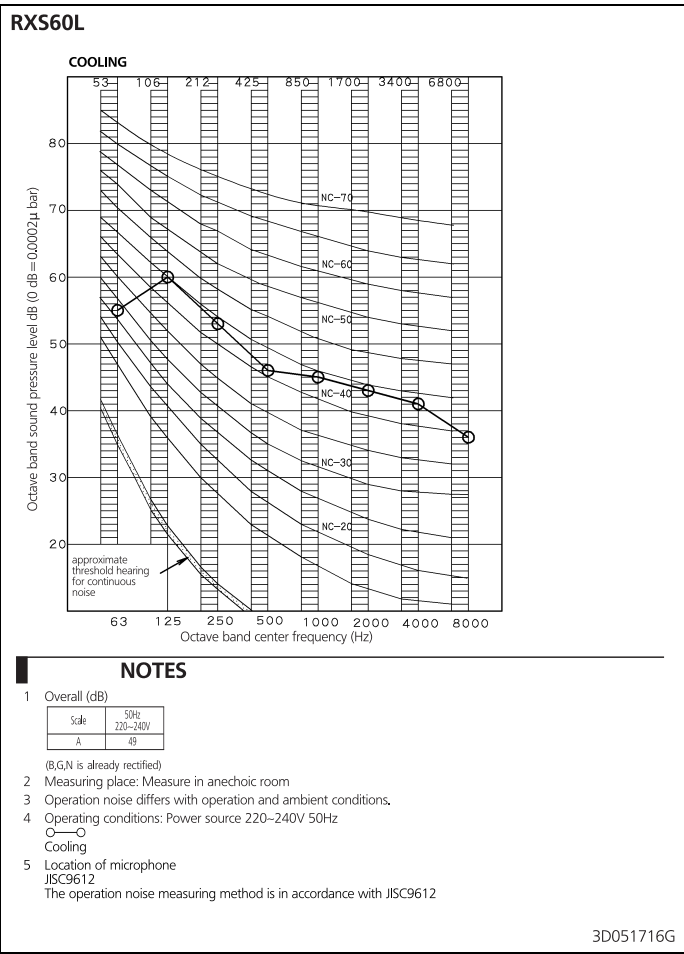
9 - 1 Sound Pressure Spectrum - Cooling

9



9 Sound data

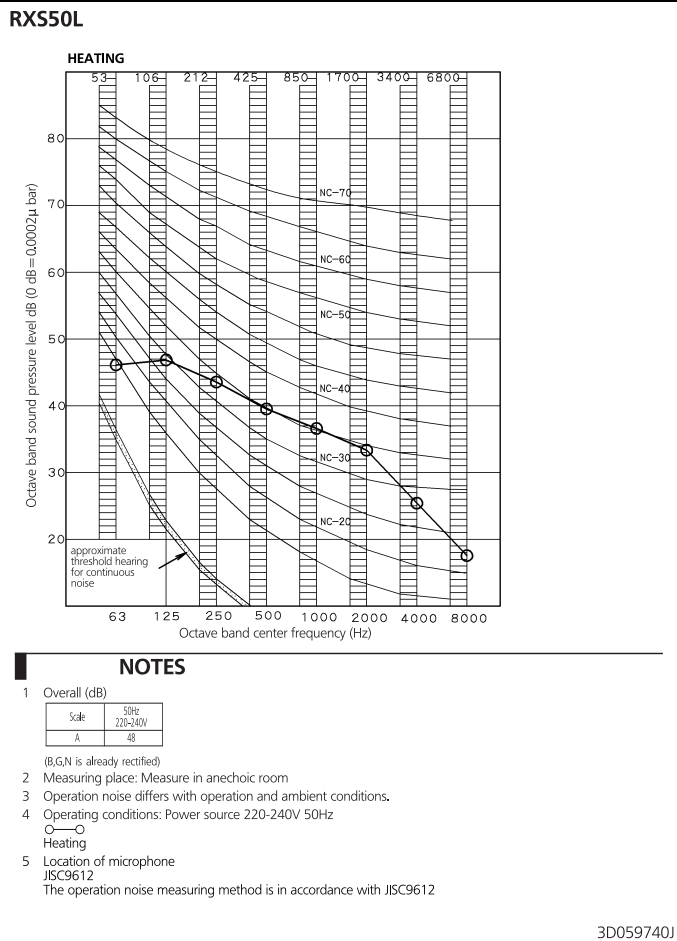
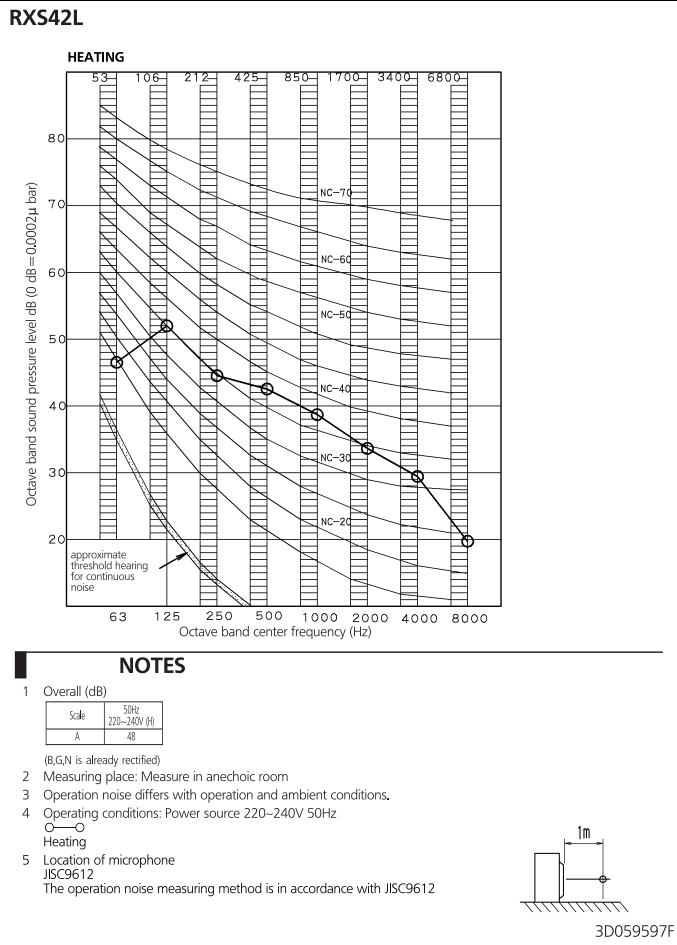
9 - 1 Sound Pressure Spectrum - Cooling



9 Sound data

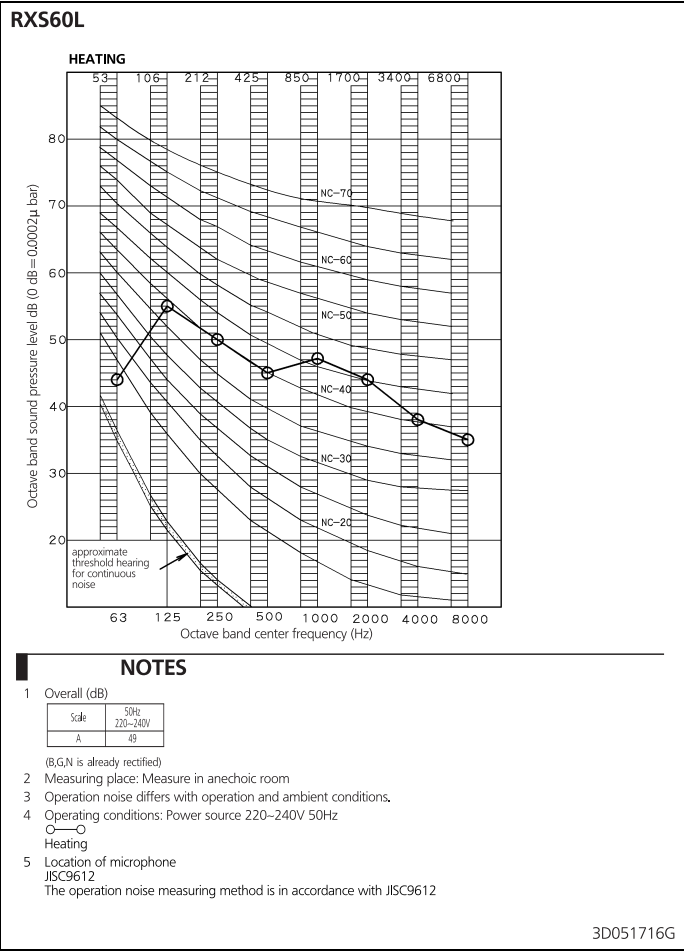
9 - 2 Sound Pressure Spectrum - Heating

9



9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

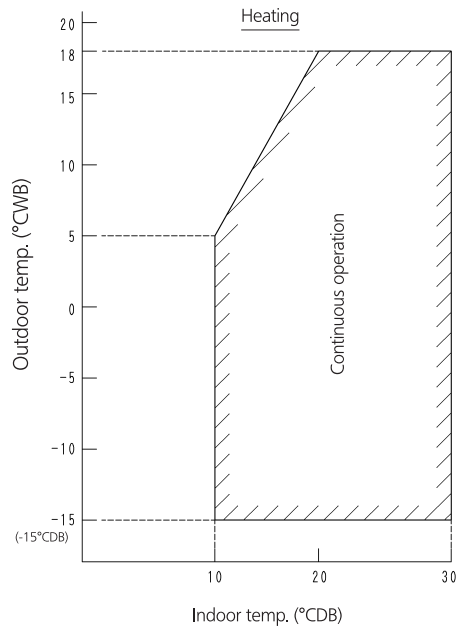
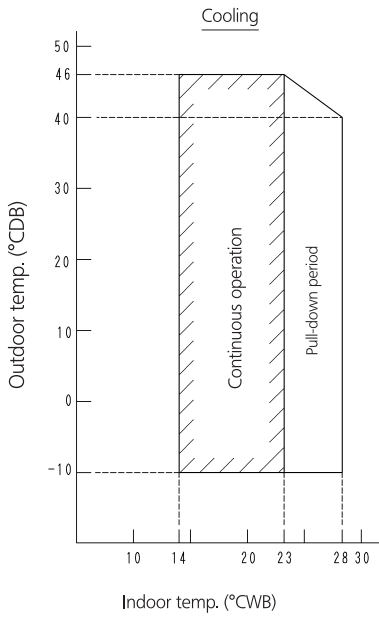


10 Operation range

10 - 1 Operation Range

10

RXS-L/F8



Notes:

The graphs are based on the following conditions:

- Equivalent piping length 5.0 m
- Level difference 0 m
- Air flow rate high

3D028318W



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.

BARCODE

Daikin products are distributed by: