

Air Conditioning Technical Data

RXS-L3



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RXS-L3

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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.
- Anti-corrosion treated outdoor heat exchanger fin
- 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
- Outdoor units for pair application



Energy saving
during standby
mode



Auto cooling-
heating
changeover



Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power input				FFQ25C/RXS25L3	FFQ35C/RXS35L3
Indoor unit				FFQ25C	FFQ35C
Outdoor unit				RXS25L3	RXS35L3
Cooling capacity	Min.		kW	1.4	
			Btu/h	4,770	
			kcal/h	1,200	
	Nom.		kW	2.50 (1)	3.4 (1)
			Btu/h	8,530 (1)	11,590 (1)
			kcal/h	2,150 (1)	2,920 (1)
	Max.		kW	4.0	
			Btu/h	13,640	
			kcal/h	3,440	3,440.0
Heating capacity	Min.		kW	1.3	
			Btu/h	4,430	
			kcal/h	1,120	
	Nom.		kW	3.20 (1)	4.20 (1)
			Btu/h	10,920 (1)	14,320 (1)
			kcal/h	2,750 (1)	3,610 (1)
	Max.		kW	5.1	
			Btu/h	17,390	
			kcal/h	4,380	
Power input	Cooling	Min.	kW	0.360	
		Nom.	kW	0.551 (1)	0.899 (1)
		Max.	kW	1.470	
	Heating	Min.	kW	0.300	
		Nom.	kW	0.820 (1)	1.200 (1)
		Max.	kW	1.650	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++	
		Pdesign	kW	2.50	3.40
		SEER		6.11	6.32
		Annual energy consumption	kWh	143	188
	Heating (Average climate)	Energy label		A+	
		Pdesign	kW	2.31	3.10
		SCOP/A		4.24	4.10
		Annual energy consumption	kWh	763	1,059
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.5	
	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	4.13 (2) / 3.94 (3) / 3.74 (4)	
		Heating	A	5.60 (2) / 5.40 (3) / 5.10 (4)	
Nominal efficiency	EER			4.53 (5)	3.78 (5)
	COP			3.90 (5)	3.50 (5)
	Annual energy consumption		kWh	276	450
	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 Capacity and Power input				FCQG35F/RXS35L3
Indoor unit				FCQG35F
Outdoor unit				RXS35L3
Cooling capacity	Min.		kW	1.3
			Btu/h	4,430
			kcal/h	1,120
	Nom.		kW	3.4 (1)
			Btu/h	11,590 (1)
			kcal/h	2,920 (1)
	Max.		kW	4.0
			Btu/h	13,640
			kcal/h	3,440
Heating capacity	Min.		kW	1.3
			Btu/h	4,430
			kcal/h	1,120
	Nom.		kW	4.20 (1)
			Btu/h	14,320 (1)
			kcal/h	3,610 (1)
	Max.		kW	5.2
			Btu/h	17,730
			kcal/h	4,470
Power input	Cooling	Min.	kW	0.400
		Nom.	kW	0.909 (1)
		Max.	kW	1.100
	Heating	Min.	kW	0.230
		Nom.	kW	1.200 (1)
		Max.	kW	1.840
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++
		Pdesign	kW	3.50
		SEER		6.35
		Annual energy consumption	kWh	193
	Heating (Average climate)	Energy label		A++
		Pdesign	kW	3.32
		SCOP/A		4.90
		Annual energy consumption	kWh	949
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	9.5
	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	4.02 (2) / 3.83 (3) / 3.64 (4)
		Heating	A	5.40 (2) / 5.10 (3) / 4.90 (4)
Nominal efficiency	EER			3.74 (5)
	COP			3.50 (5)
	Annual energy consumption		kWh	455
	Energy label	Cooling		A
		Heating		B

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

2-3 Capacity and Power input				FBQ35D/RXS35L3	
Indoor unit				FBQ35D	
Outdoor unit				RXS35L3	
Cooling capacity	Nom.		kW	3.4 (1)	
Heating capacity	Nom.		kW	4.00 (1)	
Power input	Cooling	Nom.	kW	0.85 (1)	
	Heating	Nom.	kW	1.00 (1)	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++	
		Pdesign	kW	3.40	
		SEER		6.17	
		Annual energy consumption	kWh	193	
	Heating (Average climate)	Energy label		A+	
		Pdesign	kW	2.90	
		SCOP/A		4.07	
		Annual energy consumption	kWh	998	
Nominal efficiency	EER			3.99 (2)	
	COP			4.02 (2)	
	Annual energy consumption		kWh	426	
	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

2-4 Capacity and Power input				FDXS25F/RXS25L3	FDXS35F/RXS35L3
Indoor unit				FDXS25F	FDXS35F
Outdoor unit				RXS25L3	RXS35L3
Cooling capacity	Min.		kW	1.3	1.4
			Btu/h	4,400	4,800
			kcal/h	1,110	1,200
	Nom.		kW	2.4 (1)	3.4 (1)
			Btu/h	8,150 (1)	11,500 (1)
			kcal/h	2,060 (1)	2,920 (1)
	Max.		kW	3.0	3.8
			Btu/h	10,200	13,000
			kcal/h	2,580	3,260
Heating capacity	Min.		kW	1.3	1.4
			Btu/h	4,400	4,800
			kcal/h	1,110	1,200
	Nom.		kW	3.2 (1)	4.0 (1)
			Btu/h	10,900 (1)	13,600 (1)
			kcal/h	2,750 (1)	3,440 (1)
	Max.		kW	4.5	5.0
			Btu/h	15,350	17,100
			kcal/h	3,870	4,300
Power input	Cooling	Nom.	kW	0.641 (1)	1.148 (1)
	Heating	Nom.	kW	0.800 (1)	1.150 (1)

2 Specifications

2-4 Capacity and Power input				FDXS25F/RXS25L3	FDXS35F/RXS35L3
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	A
		Pdesign	kW	2.40	3.40
		SEER		5.63	5.21
		Annual energy consumption	kWh	149	228
	Heating (Average climate)	Energy label		A+	A
		Pdesign	kW	2.60	2.90
		SCOP/A		4.24	3.88
		Annual energy consumption	kWh	858	1,047
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.5	
	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	3.85	5.31
		Heating	A	4.20	5.40
Nominal efficiency	EER			3.74 (2)	2.96 (2)
	COP			4.00 (2)	3.48 (2)
	Annual energy consumption		kWh	321	574
	Energy label	Cooling		A	B
		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

2-5 Capacity and Power input				FVXS25F/RXS25L3	FVXS35F/RXS35L3
Indoor unit				FVXS25F	FVXS35F
Outdoor unit				RXS25L3	RXS35L3
Cooling capacity	Min.		kW	1.3	1.4
			Btu/h	4,400	4,800
			kcal/h	1,120	1,200
	Nom.		kW	2.5 (1)	3.5 (1)
			Btu/h	8,500 (1)	11,900 (1)
			kcal/h	2,150 (1)	3,010 (1)
	Max.		kW	3.0	3.8
			Btu/h	10,200	13,000
			kcal/h	2,580	3,270
Heating capacity	Min.		kW	1.3	1.4
			Btu/h	4,400	4,800
			kcal/h	1,120	1,200
	Nom.		kW	3.4 (1)	4.5 (1)
			Btu/h	11,600 (1)	15,400 (1)
			kcal/h	2,920 (1)	3,870 (1)
	Max.		kW	4.5	5.0
			Btu/h	15,400	17,100
			kcal/h	3,870	4,300
Power input	Cooling	Min.	kW	0.300	
		Nom.	kW	0.606 (1)	1.060 (1)
		Max.	kW	0.920	1.250
	Heating	Min.	kW	0.290	0.310
		Nom.	kW	0.770 (1)	1.190 (1)
		Max.	kW	1.390	1.880

2 Specifications

2-5 Capacity and Power input				FVXS25F/RXS25L3	FVXS35F/RXS35L3
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	
		Pdesign	kW	2.50	3.50
		SEER		5.74	5.60
		Annual energy consumption	kWh	152	219
	Heating (Average climate)	Energy label		A+	A
		Pdesign	kW	2.60	2.90
		SCOP/A		4.56	3.93
		Annual energy consumption	kWh	798	1,033
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.5	
	Drain	OD	mm	20.0	
	Heat insulation			Both liquid and gas pipes	
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.72 (2) / 3.51 (3) / 3.40 (4)	5.09 (2) / 4.88 (3) / 4.68 (4)
		Heating	A	4.50 (2) / 4.30 (3) / 4.10 (4)	5.90 (2) / 5.60 (3) / 5.40 (4)
Nominal efficiency	EER			4.12 (5)	3.30 (5)
	COP			4.42 (5)	3.78 (5)
	Annual energy consumption		kWh	303	530
	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

2-6 Capacity and Power input				FLXS25B/RXS25L3
Indoor unit				FLXS25B
Outdoor unit				RXS25L3
Cooling capacity	Min.		kW	1.2
			Btu/h	4,100
			kcal/h	1,030
	Nom.		kW	2.5 (1)
			Btu/h	8,500 (1)
			kcal/h	2,150 (1)
	Max.		kW	3.0
			Btu/h	10,200
			kcal/h	2,580
Heating capacity	Min.		kW	1.2
			Btu/h	4,100
			kcal/h	1,030
	Nom.		kW	3.4 (1)
			Btu/h	11,600 (1)
			kcal/h	2,920 (1)
	Max.		kW	4.5
			Btu/h	15,400
			kcal/h	3,870
Power input	Cooling	Min.	kW	0.300
		Nom.	kW	0.668 (1)
		Max.	kW	0.860
	Heating	Min.	kW	0.290
		Nom.	kW	0.960 (1)
		Max.	kW	1.490

2 Specifications

2-6 Capacity and Power input				FLXS25B/RXS25L3
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A
		Pdesign	kW	2.50
		SEER		5.19
		Annual energy consumption	kWh	169
	Heating (Average climate)	Energy label		A
		Pdesign	kW	2.50
		SCOP/A		3.80
		Annual energy consumption	kWh	921
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	9.5
	Drain	OD	mm	18.0
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.80 (2) / 3.70 (3) / 3.49 (4)
		Heating	A	4.70 (2) / 4.50 (3) / 4.30 (4)
Nominal efficiency	EER			3.74 (5)
	COP			3.54 (5)
	Annual energy consumption		kWh	334
	Energy label	Cooling		A
		Heating		B

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

2-7 Capacity and Power input				FLXS35B9/RXS35L3
Indoor unit				FLXS35B9
Outdoor unit				RXS35L3
Cooling capacity	Min.	Btu/h		4,100
		kcal/h		1,030
	Nom.	kW		3.5 (1)
		Btu/h		11,900 (1)
		kcal/h		3,010 (1)
	Max.	Btu/h		13,000
		kcal/h		3,270
Heating capacity	Min.	kW		1.4
		Btu/h		4,100
		kcal/h		1,030
	Nom.	kW		4.0 (1)
		Btu/h		13,600 (1)
		kcal/h		3,440 (1)
	Max.	kW		5.0
		Btu/h		17,100
		kcal/h		4,300
Power input	Cooling	Min.	kW	0.300
		Nom.	kW	1.215 (1)
		Max.	kW	1.260
	Heating	Min.	kW	0.290
		Nom.	kW	1.120 (1)
		Max.	kW	1.850

2 Specifications

2-7 Capacity and Power input				FLXS35B9/RXS35L3
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B
		Pdesign	kW	3.50
		SEER		4.87
		Annual energy consumption	kWh	252
	Heating (Average climate)	Energy label		A
		Pdesign	kW	2.90
		SCOP/A		3.80
		Annual energy consumption	kWh	1,068
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	9.5
	Drain	OD	mm	18.0
	Heat insulation			Both liquid and gas pipes
Current	Nominal running current (RLA) - 50Hz	Cooling	A	5.70 (2) / 5.49 (3) / 5.27 (4)
		Heating	A	5.60 (2) / 5.30 (3) / 5.10 (4)
Nominal efficiency	EER			2.88 (5)
	COP			3.57 (5)
	Annual energy consumption		kWh	608
	Energy label	Cooling		B
		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

2-8 Capacity and Power input				FNQ25A/RXS25L3	FNQ35A/RXS35L3
Cooling capacity	Nom.		kW	2.6	3.4
Heating capacity	Nom.		kW	3.20	4.00
Power input	Cooling	Nom.	kW	0.69	1.11
	Heating	Nom.	kW	0.80	1.15
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	
		Pdesign	kW	2.60	3.40
		SEER		5.63	5.65
		Annual energy consumption	kWh	162	211
	Heating (Average climate)	Energy label		A+	
		Pdesign	kW	2.80	2.90
		SCOP/A		4.24	4.05
		Annual energy consumption	kWh	925	1,002
Nominal efficiency	EER			3.77 (1)	3.06 (1)
	COP			4.00 (1)	3.48 (1)
	Annual energy consumption		kWh	345	556
	Energy label	Cooling		A	B
		Heating		A	B

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 Specifications

2-9 Capacity and Power input					FHQ35CB/RXS35L3
Cooling capacity	Nom.		kW		3.4
Heating capacity	Nom.		kW		4.00 (1)
Power input	Cooling	Nom.	kW		0.92 (1)
	Heating	Nom.	kW		0.980 (1)
Seasonal efficiency (according to EN14825)	Cooling	Pdesign	kW		3.40
		SEER			6.18
		Annual energy consumption	kWh		193
	Heating (Average climate)	Pdesign	kW		3.10
		SCOP/A			4.43
		Annual energy consumption	kWh		981
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61
	Sound power level indoor	Cooling	Nom.	dBA	53
Nominal efficiency	EER				3.70 (2)
	COP				4.08 (2)
	Annual energy consumption			kWh	459 (1)

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

2-10 Capacity and Power input					FTXS20K/RXS20L3	FTXS25K/RXS25L3	FTXS35K/RXS35L3
Indoor unit					FTXS20K	FTXS25K	FTXS35K
Outdoor unit					RXS20L3	RXS25L3	RXS35L3
Cooling capacity	Min.	kW			-		1.4
		Btu/h			4,400		4,800
		kcal/h			1,120		1,200
	Nom.	kW			2.00 (1)	2.5 (1)	3.5 (1)
		Btu/h			6,800 (1)	8,500 (1)	11,900 (1)
		kcal/h			1,720 (1)	2,150 (1)	3,010 (1)
	Max.	kW			-		4.0
		Btu/h			9,600	10,900	13,600
		kcal/h			2,410	2,750	3,440
Heating capacity	Min.	kW			1.3		1.4
		Btu/h			4,400		4,800
		kcal/h			1,120		1,200
	Nom.	kW			2.5 (1)	2.8 (1)	4.00 (1)
		Btu/h			8,500 (1)	9,600 (1)	13,600 (1)
		kcal/h			2,150 (1)	2,410 (1)	3,440 (1)
	Max.	kW			4.3	4.7	5.2
		Btu/h			14,700	16,000	17,700
		kcal/h			3,700	4,040	4,470
Power input	Cooling	Min.	kW		0.320		0.350
		Nom.	kW		0.455 (1)	0.593 (1)	0.860 (1)
		Max.	kW		0.760	1.000	1.190
	Heating	Min.	kW		0.310		0.340
		Nom.	kW		0.530 (1)	0.600 (1)	0.840 (1)
		Max.	kW		1.120	1.410	1.460

2 Specifications

2-10 Capacity and Power input				FTXS20K/RXS20L3	FTXS25K/RXS25L3	FTXS35K/RXS35L3
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		
		Pdesign	kW	2.00	2.50	3.50
		SEER		7.40	7.90	7.47
		Annual energy consumption	kWh	95	111	164
	Heating (Average climate)	Energy label		A++		
		Pdesign	kW	2.30	2.50	3.60
		SCOP/A		4.77	4.78	4.85
		Annual energy consumption	kWh	675	732	1,039
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		
	Drain	OD	mm	18		
	Heat insulation			Both liquid and gas pipes		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.54 (2) / 2.43 (3) / 2.33 (4)	3.33 (2) / 3.23 (3) / 3.12 (4)	4.60 (2) / 4.39 (3) / 4.18 (4)
		Heating	A	2.80 (2) / 2.70 (3) / 2.60 (4)	3.30 (2) / 3.20 (3) / 3.10 (4)	4.30 (2) / 4.10 (3) / 3.90 (4)
Nominal efficiency	EER			4.39 (5)	4.21 (5)	3.89 (5)
	COP			4.72 (5)	4.67 (5)	4.76 (5)
	Annual energy consumption		kWh	228	297	450
	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

2-11 Technical Specifications				RXS20L3	RXS25L3	RXS35L3
Capacity control	Method			Inverter controlled		
Casing	Colour			Ivory white		
Dimensions	Unit	Height	mm	550		
		Width	mm	765		
		Depth	mm	285		
	Packed unit	Height	mm	612		
		Width	mm	906		
		Depth	mm	364		
Weight	Unit		kg	34		
	Packed unit		kg	37		
Packing	Weight		kg	3		
Heat exchanger	Length		mm	805		
	Rows	Quantity		2		
	Fin pitch		mm	1.4		
	Stages	Quantity		24		
	Tube type			ø7 Hi-XD		
	Fin	Type		Waffle louvered fin		
Compressor	Model			1YC23AWXDC		
	Type			Hermetically sealed swing compressor		
	Output		W	600		

2 Specifications

2-11 Technical Specifications					RXS20L3		RXS25L3		RXS35L3	
Fan	Type				Propeller fan					
	Air flow rate	Cooling	High	m³/min	33.5				36.0	
				cfm	1,183				1,271	
			Super low	m³/min	30.1					
				cfm	1,063					
		Heating	High	m³/min	28.3					
				cfm	999					
	Super low	m³/min	25.6							
cfm		904								
Fan motor	Model				ARW34W8P50DA					
	Output			W	50					
	Speed	Cooling	High	rpm	860				920	
			Super low	rpm	780					
		Heating	High	rpm	860					
			Super low	rpm	740					
	Sound power level	Cooling			dBA	59				61
Heating			dBA	58		59		61		
Sound pressure level	Cooling	High		dBA	46				48	
		Silent operation		dBA	43				44	
	Heating	High		dBA	47				48	
		Silent operation		dBA	44				45	
Operation range	Cooling	Ambient	Min.	°CDB	-10					
			Max.	°CDB	46					
	Heating	Ambient	Min.	°CWB	-15					
			Max.	°CWB	18					
Refrigerant	Type				R-410A					
	Charge			kg	1.0				1.2	
				TCO _{2eq}	2.1				2.5	
	GWP				2,087.5					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.5					
	Drain	ID		mm	-					
		OD		mm	18		-			
	Piping length	OU - IU	Max.	m	20					
		System	Chargeless	m	10					
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)					
	Level difference	IU - OU	Max.	m	15					
	Heat insulation				Both liquid and gas pipes					
	Refrigerant oil	Type				FVC50K				
Charged volume			l	0.375						

Standard Accessories : Drain plug; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Refrigerant charge label; Quantity : 1;

Standard Accessories : Multilingual fluorinated greenhouse gases labels; Quantity : 1;

Standard Accessories : Drain plug (only heat pump models); Quantity : 1;

2-12 Electrical Specifications					RXS20L3	RXS25L3	RXS35L3
Power supply	Name				V1		
	Phase				1~		
	Frequency			Hz	50		
	Voltage			V	220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	10	-	

2 Specifications

2-12 Electrical Specifications				RXS20L3	RXS25L3	RXS35L3
Current	Nominal running current (RLA)	Cooling	A	2.42 (1) / 2.31 (2) / 2.22 (3)	-	
		Heating	A	2.61 (1) / 2.52 (2) / 2.43 (3)	-	
	Starting current	Cooling	A	2.4	3.3	4.3
		Heating	A	2.4	3.3	4.3
Current - 60Hz	Maximum fuse amps (MFA)		A	-		

Notes

(1) 220V

(2) 230V

(3) 240V

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

3 Electrical data

3 - 1 Electrical Data

RXS20-25L3

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	A	B	C	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXS20K3V1B	RXS20L3V1B	50	220	MAX. 50 Hz 264V	8	10	35	2,30	0,023	0,24	0,016	0,19
		50	230					2,20				0,18
		50	240	MIN. 50Hz 198V				2,10				0,17
FTXS25K3V1B	RXS25L3V1B	50	220	MAX. 50 Hz 264V	8	10	47	2,82	0,023	0,24	0,016	0,19
		50	230					2,70				0,18
		50	240	MIN. 50Hz 198V				2,59				0,17
FVXS25FV1B	RXS25L3V1B	50	220	MAX. 50 Hz 264V	9,75	10	48	2,93	0,023	0,23	0,048	0,05
		50	230					2,80				
		50	240	MIN. 50Hz 198V				2,68				
FLXS25BAVMB	RXS25L3V1B	50	220	MAX. 50 Hz 264V	9,75	10	50	2,61	0,023	0,23	0,034	0,34
		50	230					2,50				
		50	240	MIN. 50Hz 198V				2,40				
FDXS25F2VEB	RXS25L3V1B	50	220	MAX. 50 Hz 264V	9,75	16	54	4,29	0,031	0,2	0,034	0,3
		50	230					4,10				
		50	240	MIN. 50Hz 198V				3,93				
FFQ25C2VEB	RXS25L3V1B	50	220	MAX. 50Hz 264V	9,75	10		2,60	0,023	0,23	0,050	0,3
		50	230					2,50				
		50	240	MIN. 50Hz 198V				2,30				

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
B Voltage
C 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]

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RXS25-35L3

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FNQ25A2VEB	RXS25L3V1B	50	220-240V	MAX. 50Hz 264V MIN. 50Hz 198V	12	16	54	4,1	0,031	0,2	0,034	0,3
FNQ35A2VEB	RXS35L3V1B						90	5,5	0,035	0,22		

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
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

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3 Electrical data

3 - 1 Electrical Data

RXS35L3

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FBQ35D2VEB	RXS35L3V1B	50	220~240V	MAX. 50Hz 264V MIN. 50Hz 198V	15	16	63	3,1	0,023	0,23	0,089	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

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

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RXS35L3

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXS35K3V1B	RXS35L3V1B	50	220	MAX. 50 Hz 264V MIN. 50Hz 198V	8,8	10	66	3,76	0,023	0,23	0,023	0,15
			230					3,60				
			240					3,45				
FVXS35FV1B	RXS35L3V1B	50	220	MAX. 50 Hz 264V MIN. 50Hz 198V	9,75	10	76	4,81	0,023	0,23	0,048	0,05
			230					4,60				
			240					4,41				
FLXS35BAVMB9	RXS35L3V1B	50	220	MAX. 50 Hz 264V MIN. 50Hz 198V	9,75	10	82	4,50	0,023	0,23	0,034	0,38
			230					4,30				
			240					4,12				
FDXS35F2VEB	RXS35L3V1B	50	220	MAX. 50 Hz 264V MIN. 50Hz 198V	9,75	16	78	5,75	0,035	0,22	0,034	0,3
			230					5,50				
			240					5,27				
FHQ35CBVEB	RXS35L3V1B	50	220	MAX. 50 Hz 264V MIN. 50Hz 198V	9,75	10	66	4,29	0,023	0,23	0,06	0,6
			230					4,10				
			240					3,93				
FBQ35C8VEB	RXS35L3V1B	50	220	MAX. 50 Hz 264V MIN. 50Hz 198V	9,75	16	80	4,62	0,019	0,35	0,14	1,2
			230					4,42				
			240					4,24				
FFQ35C2VEB	RXS35L3V1B	50	220	MAX. 50 Hz 264V MIN. 50Hz 198V	9,75	10		4,80	0,023	0,23	0,050	0,4
			230					4,60				
			240					4,40				
FCQG35FVEB	RXS35L3V1B	50	220	MAX. 50Hz 253V MIN. 50Hz 207V	9,75	10		7,10	0,023	0,23	0,048	0,3
			230					3,90				
			240					3,70				

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

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]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBQ35C8VEB + RXS35L3V1B

AFR	16,0
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	3,48	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
22	16	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
25	18	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
27	19	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
30	22	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
32	24	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

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

Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,69	0,93	3,14	0,98	3,60	1,02	4,14	1,08	4,50	1,12
20	2,55	0,96	3,01	1,00	3,46	1,05	4,00	1,11	4,36	1,14
22	2,50	0,97	2,95	1,01	3,40	1,06	3,94	1,12	4,31	1,15
24	2,44	0,98	2,90	1,02	3,35	1,07	3,89	1,13	4,25	1,16
25	2,42	0,98	2,87	1,03	3,32	1,08	3,86	1,13	4,22	1,17
27	2,36	0,99	2,81	1,04	3,26	1,09	3,81	1,14	4,17	1,18

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]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBQ35D2VEB + RXS35L3V1B

Cooling 50Hz 220-240V

AFR	15,0
BF	0,08

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	3,48	3,13	0,65	3,33	3,06	0,72	3,17	2,99	0,78	3,10	2,96	0,80	3,01	2,92	0,84	2,85	2,85	0,91
16,0	22,0	3,64	3,09	0,66	3,48	3,02	0,72	3,32	2,95	0,78	3,26	2,93	0,81	3,17	2,89	0,85	3,01	2,82	0,91
18,0	25,0	3,80	3,31	0,66	3,64	3,25	0,72	3,48	3,18	0,79	3,42	3,16	0,81	3,32	3,12	0,85	3,16	3,06	0,91
19,0	27,0	3,87	3,56	0,66	3,72	3,50	0,73	3,56	3,44	0,79	3,49	3,41	0,81	3,40	3,38	0,85	3,24	3,32	0,91
22,0	30,0	4,11	3,46	0,67	3,95	3,41	0,73	3,79	3,35	0,79	3,73	3,33	0,82	3,63	3,30	0,86	3,48	3,25	0,92
24,0	32,0	4,27	3,39	0,67	4,11	3,34	0,74	3,95	3,30	0,80	3,89	3,28	0,82	3,79	3,25	0,86	3,63	3,20	0,92

Heating 50Hz 220-240V

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

Indoor		Outdoor temperature [°C WB]									
EDB	°C	-10,0		-5,0		0,0		6,0		10,0	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,69	0,85	3,14	0,89	3,60	0,93	4,14	0,98	4,50	1,01	
20,0	2,55	0,87	3,01	0,91	3,46	0,95	4,00	1,00	4,36	1,03	
22,0	2,50	0,88	2,95	0,92	3,40	0,96	3,94	1,01	4,31	1,04	
24,0	2,44	0,89	2,90	0,93	3,35	0,97	3,89	1,02	4,25	1,05	
25,0	2,42	0,89	2,87	0,93	3,32	0,97	3,86	1,02	4,22	1,06	
27,0	2,36	0,90	2,81	0,94	3,26	0,98	3,81	1,03	4,17	1,06	

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.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG35FVEB + RXS35L3V1B

AFR	12,5
BF	0,40

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	3,48	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
22	16	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
25	18	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
27	19	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
30	22	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
32	24	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

AFR	12,5
-----	------

Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,83	1,01	3,30	1,06	3,78	1,11	4,34	1,17	4,72	1,21
20	2,68	1,04	3,16	1,09	3,63	1,14	4,20	1,20	4,58	1,24
22	2,62	1,05	3,10	1,10	3,57	1,15	4,14	1,21	4,52	1,25
24	2,57	1,06	3,04	1,11	3,51	1,16	4,08	1,22	4,46	1,26
25	2,54	1,07	3,01	1,12	3,49	1,17	4,06	1,23	4,43	1,27
27	2,48	1,08	2,95	1,13	3,43	1,18	4,00	1,24	4,38	1,28

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]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS25F2VEB + RXS25L3V1B

AFR	8,7
BF	0,17

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	2,46	1,94	0,50	2,35	1,89	0,55	2,24	1,83	0,59	2,19	1,81	0,61	2,12	1,78	0,64	2,01	1,73	0,69
22	16	2,57	1,91	0,50	2,46	1,86	0,55	2,35	1,81	0,59	2,30	1,79	0,61	2,23	1,76	0,65	2,12	1,71	0,70
25	18	2,68	2,01	0,51	2,57	1,97	0,56	2,46	1,92	0,60	2,41	1,90	0,62	2,34	1,88	0,65	2,23	1,83	0,70
27	19	2,74	2,14	0,51	2,62	2,10	0,56	2,51	2,05	0,60	2,47	2,03	0,62	2,40	2,01	0,65	2,29	1,96	0,70
30	22	2,90	2,07	0,51	2,79	2,03	0,56	2,68	1,99	0,60	2,63	1,98	0,62	2,57	1,95	0,65	2,45	1,91	0,71
32	24	3,01	2,02	0,51	2,90	1,99	0,57	2,79	1,95	0,61	2,74	1,94	0,63	2,68	1,91	0,66	2,56	1,88	0,71

AFR	8,7
-----	-----

Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,15	0,68	2,52	0,71	2,88	0,74	3,31	0,78	3,60	0,81
20	2,04	0,69	2,41	0,73	2,77	0,76	3,20	0,80	3,49	0,83
22	2,00	0,70	2,36	0,74	2,72	0,76	3,16	0,81	3,44	0,84
24	1,96	0,71	2,32	0,74	2,68	0,77	3,11	0,82	3,40	0,84
25	1,93	0,71	2,29	0,75	2,66	0,78	3,09	0,82	3,38	0,84
27	1,89	0,72	2,25	0,76	2,61	0,78	3,05	0,83	3,33	0,85

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]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS35F2VEB + RXS35L3V1B

AFR	8,7
BF	0,17

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	3,48	2,46	0,82	3,33	2,38	0,89	3,17	2,30	0,97	3,10	2,26	1,00	3,01	2,21	1,05	2,85	2,13	1,13
22	16	3,64	2,42	0,82	3,48	2,34	0,89	3,32	2,26	0,97	3,26	2,23	1,00	3,17	2,19	1,05	3,01	2,11	1,13
25	18	3,80	2,51	0,83	3,64	2,44	0,90	3,48	2,37	0,98	3,42	2,34	1,01	3,32	2,30	1,06	3,16	2,23	1,14
27	19	3,87	2,63	0,83	3,72	2,56	0,90	3,56	2,49	0,98	3,49	2,46	1,01	3,40	2,42	1,06	3,24	2,35	1,14
30	22	4,11	2,53	0,84	3,95	2,47	0,91	3,79	2,40	0,99	3,73	2,38	1,02	3,63	2,34	1,07	3,48	2,28	1,15
32	24	4,27	2,46	0,84	4,11	2,40	0,91	3,95	2,34	0,99	3,89	2,32	1,02	3,79	2,29	1,07	3,63	2,23	1,15

AFR	8,7
-----	-----

Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,69	0,97	3,14	1,02	3,60	1,07	4,14	1,12	4,50	1,16
20	2,55	0,99	3,01	1,04	3,46	1,09	4,00	1,15	4,36	1,19
22	2,50	1,01	2,95	1,05	3,40	1,10	3,94	1,16	4,31	1,20
24	2,44	1,02	2,90	1,06	3,35	1,11	3,89	1,17	4,25	1,21
25	2,42	1,02	2,87	1,07	3,32	1,12	3,86	1,18	4,22	1,22
27	2,36	1,03	2,81	1,08	3,26	1,13	3,81	1,19	4,17	1,23

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]

3D091969

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ25C2VEB + RXS25L3V1B

AFR	9,0
BF	0,24

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	2,56	1,95	0,43	2,44	1,89	0,47	2,33	1,84	0,51	2,28	1,81	0,53	2,21	1,78	0,55	2,10	1,72	0,60
22	16	2,68	1,92	0,43	2,56	1,86	0,48	2,44	1,81	0,51	2,40	1,79	0,53	2,33	1,76	0,56	2,21	1,71	0,60
25	18	2,79	2,01	0,44	2,68	1,96	0,48	2,56	1,92	0,51	2,51	1,90	0,54	2,44	1,87	0,56	2,33	1,82	0,60
27	19	2,85	2,13	0,44	2,73	2,08	0,48	2,62	2,04	0,52	2,57	2,02	0,54	2,50	1,99	0,56	2,38	1,94	0,60
30	22	3,02	2,06	0,44	2,91	2,02	0,49	2,79	1,97	0,52	2,74	1,96	0,54	2,67	1,93	0,56	2,56	1,89	0,61
32	24	3,14	2,01	0,45	3,02	1,97	0,49	2,90	1,93	0,52	2,86	1,91	0,55	2,79	1,89	0,57	2,67	1,85	0,61

AFR	9,0
-----	-----

Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,15	0,69	2,52	0,73	2,88	0,76	3,31	0,80	3,60	0,83
20	2,04	0,71	2,41	0,75	2,77	0,77	3,20	0,82	3,49	0,85
22	2,00	0,72	2,36	0,75	2,72	0,78	3,16	0,83	3,44	0,86
24	1,96	0,73	2,32	0,76	2,68	0,79	3,11	0,84	3,40	0,87
25	1,93	0,73	2,29	0,77	2,66	0,80	3,09	0,84	3,38	0,87
27	1,89	0,74	2,25	0,78	2,61	0,80	3,05	0,85	3,33	0,88

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]

3D091972

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ35C2VEB + RXS35L3V1B

AFR	10,0
BF	0,25

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

AFR	10,0
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Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,82	1,01	3,30	1,06	3,78	1,11	4,35	1,17	4,73	1,21
20	2,68	1,04	3,16	1,09	3,63	1,14	4,20	1,20	4,58	1,24
22	2,63	1,05	3,10	1,10	3,57	1,15	4,14	1,21	4,53	1,25
24	2,56	1,06	3,05	1,11	3,52	1,16	4,08	1,22	4,46	1,26
25	2,54	1,07	3,01	1,12	3,49	1,17	4,05	1,23	4,43	1,27
27	2,48	1,08	2,95	1,13	3,42	1,18	4,00	1,24	4,38	1,28

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]

3D091973

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ35CBVEB + RXS35L3V1B

Cooling 220-240V 50 Hz		AFR		14,0																																	
		BF		0,17																																	
1	2	3																																			
		20						25						30						32						35						40					
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI									
		20	14	3,48	2,76	0,73	3,33	2,69	0,80	3,17	2,61	0,87	3,10	2,58	0,90	3,01	2,54	0,94	2,85	2,47	1,01																
22	16	3,64	2,72	0,73	3,48	2,65	0,81	3,32	2,58	0,88	3,26	2,55	0,90	3,17	2,51	0,94	3,01	2,44	1,01																		
25	18	3,80	2,87	0,73	3,64	2,81	0,81	3,48	2,74	0,88	3,42	2,72	0,90	3,32	2,68	0,95	3,16	2,61	1,02																		
27	19	3,87	3,05	0,74	3,72	2,99	0,81	3,56	2,93	0,88	3,49	2,90	0,90	3,40	2,87	0,95	3,24	2,80	1,02																		
30	22	4,11	2,95	0,74	3,95	2,90	0,81	3,79	2,84	0,89	3,73	2,82	0,91	3,63	2,79	0,96	3,48	2,73	1,02																		
32	24	4,27	2,88	0,75	4,11	2,83	0,82	3,95	2,78	0,89	3,89	2,76	0,91	3,79	2,73	0,96	3,63	2,68	1,03																		

Heating 220-240V 50 Hz												AFR		14,0						
2	4																			
	-10				-5				0				6				10			
	TC		PI		TC		PI		TC		PI		TC		PI		TC		PI	
15	2,69		0,83		3,14		0,86		3,60		0,91		4,14		0,95		4,50		0,99	
20	2,55		0,84		3,01		0,89		3,46		0,93		4,00		0,98		4,36		1,02	
22	2,50		0,85		2,95		0,90		3,40		0,94		3,94		0,99		4,31		1,03	
24	2,44		0,86		2,90		0,91		3,35		0,95		3,89		1,00		4,25		1,03	
25	2,42		0,87		2,87		0,91		3,32		0,95		3,86		1,01		4,22		1,03	
27	2,36		0,88		2,81		0,92		3,26		0,96		3,81		1,02		4,17		1,04	

- Symbols
- TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AF R: Air flow rate [m³/min]
BF: Bypass factor
- 1 Indoor air temperature [°C DB]
2 Indoor air temperature [°C WB]
3 Outdoor air temperature [°C DB]
4 Outdoor air temperature [°C WB]

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

3D091975A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS25BAVMB + RXS25L3V1B

AFR	7,6
BF	0,32

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	2,52	1,77	0,49	2,44	1,73	0,55	2,33	1,67	0,59	2,28	1,65	0,61	2,21	1,61	0,64	2,10	1,55	0,69
22	16	2,68	1,76	0,50	2,56	1,71	0,55	2,44	1,65	0,60	2,40	1,63	0,62	2,33	1,59	0,65	2,21	1,54	0,69
25	18	2,79	1,83	0,50	2,68	1,78	0,55	2,56	1,72	0,60	2,51	1,70	0,62	2,44	1,67	0,65	2,33	1,62	0,70
27	19	2,85	1,91	0,51	2,73	1,86	0,55	2,62	1,81	0,60	2,57	1,79	0,62	2,50	1,76	0,65	2,38	1,71	0,70
30	22	3,02	1,84	0,51	2,91	1,79	0,56	2,79	1,75	0,61	2,74	1,73	0,63	2,67	1,70	0,65	2,56	1,66	0,70
32	24	3,14	1,79	0,51	3,02	1,74	0,56	2,90	1,70	0,61	2,86	1,68	0,63	2,79	1,66	0,66	2,67	1,62	0,71

AFR	9,2
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Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,29	0,81	2,67	0,85	3,06	0,89	3,52	0,94	3,82	0,97
20	2,17	0,83	2,56	0,87	2,94	0,91	3,40	0,96	3,71	0,99
22	2,12	0,84	2,51	0,88	2,89	0,92	3,35	0,97	3,66	1,00
24	2,08	0,85	2,46	0,89	2,85	0,93	3,31	0,98	3,61	1,01
25	2,05	0,85	2,44	0,89	2,82	0,93	3,28	0,98	3,59	1,01
27	2,01	0,86	2,39	0,90	2,77	0,94	3,24	0,99	3,54	1,02

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]

3D091968

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS35BAVMB9 + RXS35L3V1B

AFR	8,6
BF	0,35

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	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
22	16	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
25	18	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
27	19	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
30	22	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
32	24	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

AFR	12,8
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Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,69	0,95	3,14	0,99	3,60	1,04	4,14	1,09	4,50	1,13
20	2,55	0,97	3,01	1,02	3,46	1,07	4,00	1,12	4,36	1,16
22	2,50	0,98	2,95	1,03	3,40	1,07	3,94	1,13	4,31	1,17
24	2,44	0,99	2,90	1,04	3,35	1,08	3,89	1,14	4,25	1,17
25	2,42	1,00	2,87	1,05	3,32	1,09	3,86	1,15	4,18	1,18
27	2,36	1,01	2,81	1,06	3,26	1,10	3,81	1,16	3,91	1,18

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]

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]

3D091963

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNQ25A2VEB + RXS25L3V1B

Cooling 50Hz 230V

AFR	8,7
BF	0,17

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	2,66	2,04	0,53	2,54	1,98	0,58	2,42	1,92	0,63	2,37	1,90	0,65	2,30	1,86	0,68	2,18	1,81	0,73
16,0	22,0	2,78	2,00	0,53	2,66	1,95	0,58	2,54	1,89	0,63	2,49	1,87	0,65	2,42	1,84	0,68	2,30	1,78	0,74
18,0	25,0	2,90	2,11	0,53	2,78	2,06	0,59	2,66	2,00	0,64	2,61	1,98	0,66	2,54	1,95	0,69	2,42	1,90	0,74
19,0	27,0	2,96	2,23	0,54	2,84	2,18	0,59	2,72	2,13	0,64	2,67	2,11	0,66	2,60	2,08	0,69	2,48	2,04	0,74
22,0	30,0	3,14	2,16	0,54	3,02	2,11	0,59	2,90	2,07	0,64	2,85	2,05	0,66	2,78	2,02	0,69	2,66	1,98	0,74
24,0	32,0	3,26	2,10	0,54	3,14	2,06	0,59	3,02	2,02	0,65	2,97	2,01	0,67	2,90	1,98	0,70	2,78	1,94	0,75

Heating 50Hz 230V

AFR	8,7
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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		2,15	0,68	2,52	0,71	2,88	0,74	3,31	0,78	3,60	0,81
20,0		2,04	0,69	2,41	0,73	2,77	0,76	3,20	0,80	3,49	0,83
22,0		2,00	0,70	2,36	0,73	2,72	0,77	3,16	0,81	3,44	0,83
24,0		1,96	0,71	2,32	0,74	2,68	0,77	3,11	0,81	3,40	0,84
25,0		1,93	0,71	2,29	0,75	2,66	0,78	3,09	0,82	3,38	0,84
27,0		1,89	0,72	2,25	0,75	2,61	0,79	3,05	0,83	3,33	0,85

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

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- 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).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 7 m
 Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D096571A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNQ35A2VEB + RXS35L3V1B

Cooling 50Hz 230V

AFR	8,7
BF	0,17

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	2,96	2,19	0,79	2,96	2,19	0,89	2,96	2,19	0,99	2,96	2,19	1,04	2,96	2,19	1,09	2,85	2,13	1,18
16,0	22,0	3,64	2,42	0,86	3,48	2,34	0,94	3,32	2,26	1,02	3,26	2,23	1,05	3,17	2,18	1,10	3,01	2,11	1,19
18,0	25,0	3,80	2,51	0,86	3,64	2,43	0,94	3,48	2,36	1,03	3,42	2,33	1,06	3,32	2,29	1,11	3,16	2,22	1,19
19,0	27,0	3,87	2,63	0,86	3,72	2,55	0,95	3,56	2,48	1,03	3,49	2,46	1,06	3,40	2,42	1,11	3,24	2,35	1,19
22,0	30,0	4,11	2,52	0,87	3,95	2,46	0,95	3,79	2,40	1,04	3,73	2,38	1,07	3,63	2,34	1,12	3,48	2,28	1,20
24,0	32,0	4,27	2,45	0,88	4,11	2,39	0,96	3,95	2,34	1,04	3,89	2,32	1,07	3,79	2,28	1,12	3,63	2,23	1,21

Heating 50Hz 230V

AFR	8,7
-----	-----

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		2,69	0,97	3,14	1,02	3,60	1,07	4,14	1,12	4,50	1,16
20,0		2,55	1,00	3,01	1,05	3,46	1,09	4,00	1,15	4,36	1,19
22,0		2,50	1,01	2,95	1,06	3,40	1,10	3,94	1,16	4,31	1,20
24,0		2,44	1,02	2,90	1,07	3,35	1,11	3,89	1,17	4,21	1,20
25,0		2,42	1,02	2,87	1,07	3,32	1,12	3,86	1,18	4,06	1,19
27,0		2,36	1,03	2,81	1,08	3,26	1,13	3,77	1,18	3,77	1,17

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

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- 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).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 7 m
 Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D096572A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS20K3V1B + RXS20L3V1B

AFR	8,8
BF	0,16

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	2,05	1,76	0,33	1,96	1,72	0,36	1,86	1,68	0,39	1,83	1,66	0,41	1,77	1,64	0,43	1,68	1,59	0,46
22	16	2,14	1,76	0,33	2,05	1,69	0,36	1,95	1,65	0,40	1,92	1,64	0,41	1,86	1,62	0,43	1,77	1,58	0,46
25	18	2,23	1,85	0,33	2,14	1,81	0,37	2,05	1,78	0,40	2,01	1,76	0,41	1,95	1,74	0,43	1,86	1,70	0,46
27	19	2,28	1,98	0,33	2,19	1,95	0,37	2,09	1,91	0,40	2,06	1,90	0,41	2,00	1,88	0,43	1,91	1,84	0,46
30	22	2,42	1,92	0,34	2,32	1,89	0,37	2,23	1,86	0,40	2,19	1,85	0,41	2,14	1,83	0,43	2,05	1,80	0,46
32	24	2,51	1,88	0,34	2,42	1,86	0,37	2,32	1,83	0,40	2,29	1,82	0,42	2,23	1,80	0,43	2,14	1,77	0,47

AFR	9,5
-----	-----

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	1,19	0,34	1,43	0,36	1,67	0,38	2,25	0,49	2,59	0,52	2,81	0,54
20	1,12	0,35	1,36	0,37	1,60	0,39	2,16	0,50	2,50	0,53	2,73	0,55
22	1,09	0,36	1,33	0,38	1,57	0,39	2,13	0,51	2,47	0,53	2,69	0,55
24	1,06	0,36	1,30	0,38	1,54	0,40	2,09	0,51	2,43	0,54	2,66	0,56
25	1,04	0,36	1,28	0,38	1,52	0,40	2,07	0,52	2,41	0,54	2,64	0,56
27	1,01	0,37	1,25	0,39	1,49	0,40	2,04	0,52	2,38	0,55	2,61	0,57

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]

3D091970

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS25K3V1B + RXS25L3V1B

AFR	9,1
BF	0,24

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	2,28	1,82	0,41	2,28	1,82	0,46	2,28	1,82	0,52	2,28	1,82	0,54	2,21	1,79	0,56	2,10	1,73	0,61
22	16	2,68	1,92	0,44	2,56	1,87	0,48	2,44	1,82	0,52	2,40	1,80	0,54	2,33	1,76	0,57	2,21	1,71	0,61
25	18	2,79	2,02	0,44	2,68	1,97	0,48	2,56	1,92	0,53	2,51	1,90	0,54	2,44	1,88	0,57	2,33	1,83	0,61
27	19	2,85	2,14	0,44	2,73	2,09	0,49	2,62	2,05	0,53	2,57	2,03	0,54	2,50	2,00	0,57	2,38	1,95	0,61
30	22	3,02	2,07	0,45	2,91	2,03	0,49	2,79	1,98	0,53	2,74	1,97	0,55	2,67	1,94	0,57	2,56	1,90	0,62
32	24	3,14	2,02	0,45	3,02	1,98	0,49	2,90	1,94	0,53	2,86	1,92	0,55	2,79	1,90	0,58	2,67	1,87	0,62

AFR	10,0
-----	------

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	1,33	0,39	1,60	0,41	1,87	0,43	2,52	0,56	2,90	0,59	3,15	0,61
20	1,25	0,40	1,52	0,42	1,79	0,44	2,42	0,57	2,80	0,60	3,05	0,62
22	1,22	0,40	1,49	0,43	1,76	0,45	2,38	0,57	2,76	0,61	3,01	0,63
24	1,19	0,41	1,45	0,43	1,72	0,45	2,34	0,58	2,72	0,61	2,98	0,63
25	1,17	0,41	1,44	0,43	1,71	0,45	2,32	0,58	2,70	0,61	2,96	0,63
27	1,14	0,42	1,41	0,44	1,67	0,45	2,29	0,59	2,66	0,62	2,92	0,64

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]

3D091964

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS35K3V1B + RXS35L3V1B

AFR	11,2
BF	0,12

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	3,24	2,59	0,63	3,24	2,59	0,72	3,24	2,59	0,79	3,19	2,57	0,81	3,10	2,52	0,85	2,93	2,44	0,91
22	16	3,75	2,71	0,67	3,58	2,64	0,73	3,42	2,56	0,79	3,36	2,53	0,82	3,26	2,49	0,85	3,10	2,42	0,92
25	18	3,91	2,85	0,67	3,75	2,78	0,73	3,58	2,72	0,80	3,52	2,69	0,82	3,42	2,65	0,86	3,26	2,58	0,92
27	19	3,99	3,02	0,67	3,83	2,96	0,74	3,66	2,89	0,80	3,60	2,86	0,82	3,50	2,82	0,86	3,34	2,76	0,92
30	22	4,23	2,92	0,68	4,07	2,86	0,74	3,90	2,80	0,80	3,84	2,78	0,83	3,74	2,75	0,87	3,58	2,69	0,93
32	24	4,39	2,85	0,68	4,23	2,79	0,75	4,07	2,74	0,81	4,00	2,72	0,83	3,90	2,69	0,87	3,74	2,64	0,93

AFR	12,1
-----	------

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	1,90	0,54	2,29	0,57	2,67	0,60	3,60	0,78	4,14	0,82	4,50	0,85
20	1,79	0,56	2,17	0,58	2,56	0,61	3,46	0,80	4,00	0,84	4,36	0,87
22	1,74	0,56	2,12	0,59	2,51	0,62	3,40	0,81	3,94	0,85	4,31	0,88
24	1,69	0,57	2,08	0,60	2,46	0,62	3,35	0,81	3,89	0,86	4,25	0,88
25	1,67	0,57	2,05	0,60	2,44	0,63	3,32	0,82	3,86	0,86	4,22	0,89
27	1,62	0,58	2,01	0,60	2,39	0,63	3,26	0,82	3,81	0,87	4,17	0,89

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]

3D091965

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS25FV1B + RXS25L3V1B

AFR	8,2
BF	0,10

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	2,56	2,00	0,44	2,44	1,95	0,48	2,33	1,89	0,52	2,28	1,87	0,54	2,21	1,84	0,56	2,10	1,78	0,61
22	16	2,68	1,97	0,44	2,56	1,92	0,48	2,44	1,87	0,52	2,40	1,84	0,54	2,33	1,81	0,57	2,21	1,76	0,61
25	18	2,79	2,08	0,44	2,68	2,03	0,48	2,56	1,98	0,53	2,51	1,96	0,54	2,44	1,93	0,57	2,33	1,89	0,61
27	19	2,85	2,21	0,44	2,73	2,16	0,49	2,62	2,11	0,53	2,57	2,09	0,54	2,50	2,07	0,57	2,38	2,02	0,61
30	22	3,02	2,13	0,45	2,91	2,09	0,49	2,79	2,05	0,53	2,74	2,03	0,55	2,67	2,01	0,57	2,56	1,97	0,62
32	24	3,14	2,08	0,45	3,02	2,04	0,49	2,90	2,01	0,53	2,86	1,99	0,55	2,79	1,97	0,58	2,67	1,93	0,62

AFR	8,8
-----	-----

Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,29	0,65	2,67	0,68	3,06	0,71	3,52	0,75	3,82	0,78
20	2,17	0,67	2,56	0,70	2,94	0,73	3,40	0,77	3,71	0,80
22	2,12	0,67	2,51	0,71	2,89	0,74	3,35	0,78	3,66	0,80
24	2,08	0,68	2,46	0,71	2,86	0,75	3,31	0,78	3,61	0,81
25	2,05	0,68	2,44	0,72	2,82	0,75	3,28	0,79	3,59	0,81
27	2,01	0,69	2,39	0,72	2,77	0,76	3,24	0,79	3,54	0,82

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]

3D091967

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS35FV1B + RXS35L3V1B

AFR	8,5
BF	0,11

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	3,59	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
22	16	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
25	18	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
27	19	3,99	2,72	0,79	3,83	2,65	0,87	3,66	2,57	0,94	3,60	2,55	0,97	3,50	2,50	1,02	3,34	2,43	1,10
30	22	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
32	24	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

AFR	9,4
-----	-----

Heating 220-240V 50Hz

A	D									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,03	1,00	3,54	1,05	4,05	1,10	4,66	1,16	5,06	1,20
20	2,87	1,03	3,38	1,08	3,89	1,13	4,50	1,19	4,91	1,23
22	2,81	1,04	3,32	1,09	3,83	1,14	4,44	1,20	4,84	1,24
24	2,75	1,05	3,26	1,10	3,77	1,15	4,38	1,21	4,78	1,25
25	2,72	1,06	3,23	1,11	3,73	1,16	4,34	1,22	4,75	1,26
27	2,66	1,07	3,16	1,12	3,67	1,17	4,28	1,23	4,69	1,27

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

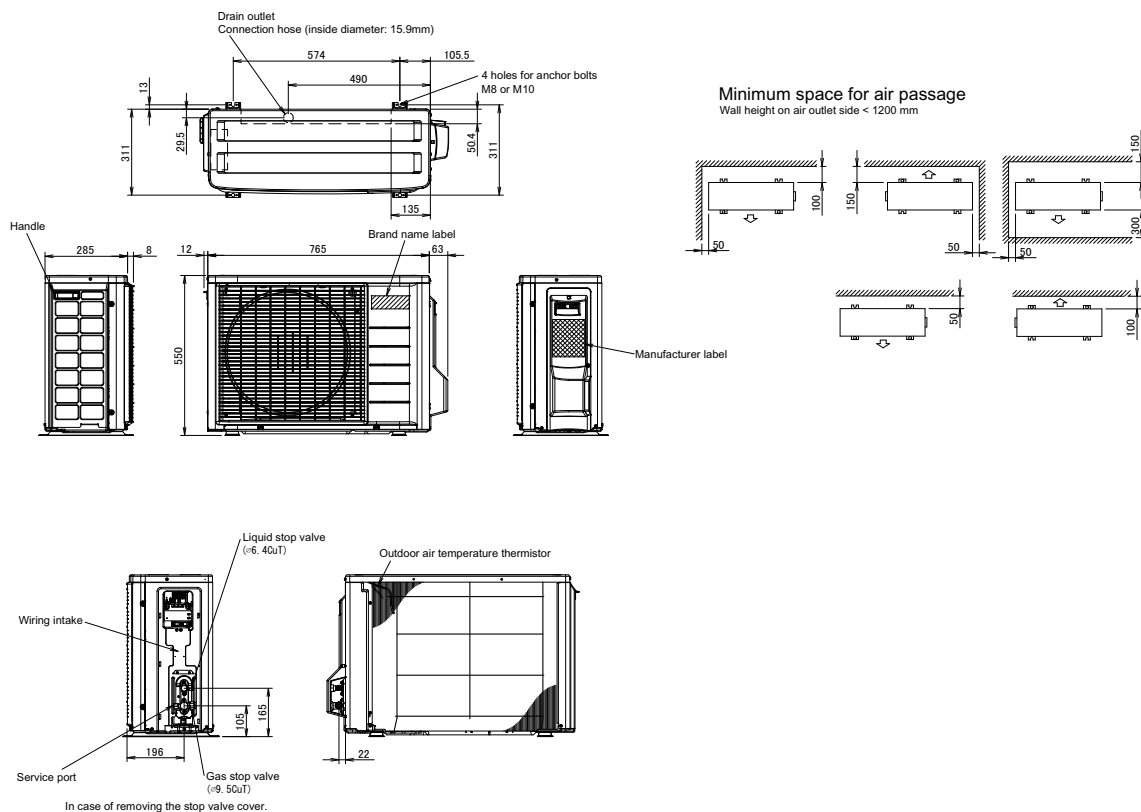
- A Indoor air temperature [°C DB]
B Indoor air temperature [°C WB]
C Outdoor air temperature [°C DB]
D Outdoor air temperature [°C WB]

3D091966

5 Dimensional drawings

5 - 1 Dimensional Drawings

RXS20-35L3

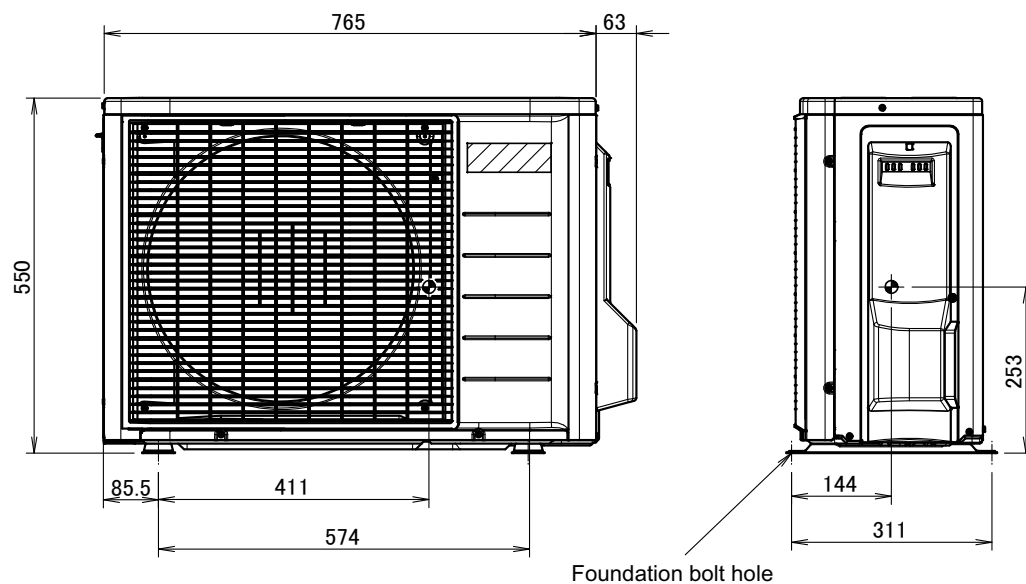


3D091996

6 Centre of gravity

6 - 1 Centre of Gravity

RXS20-35L3



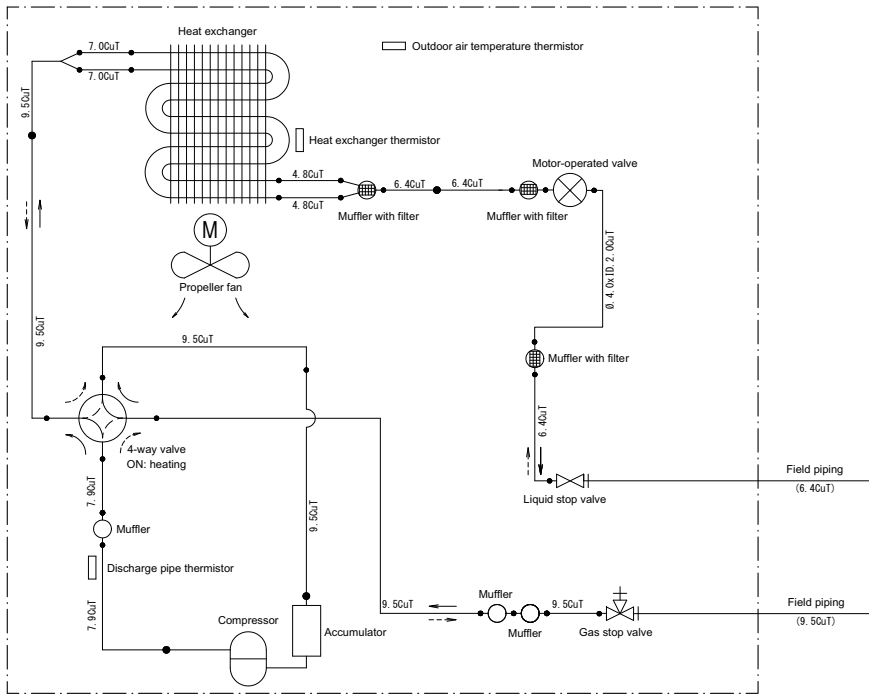
4D092000

7 Piping diagrams

7 - 1 Piping Diagrams

RXS20-25L3

Outdoor unit



Refrigerant flow

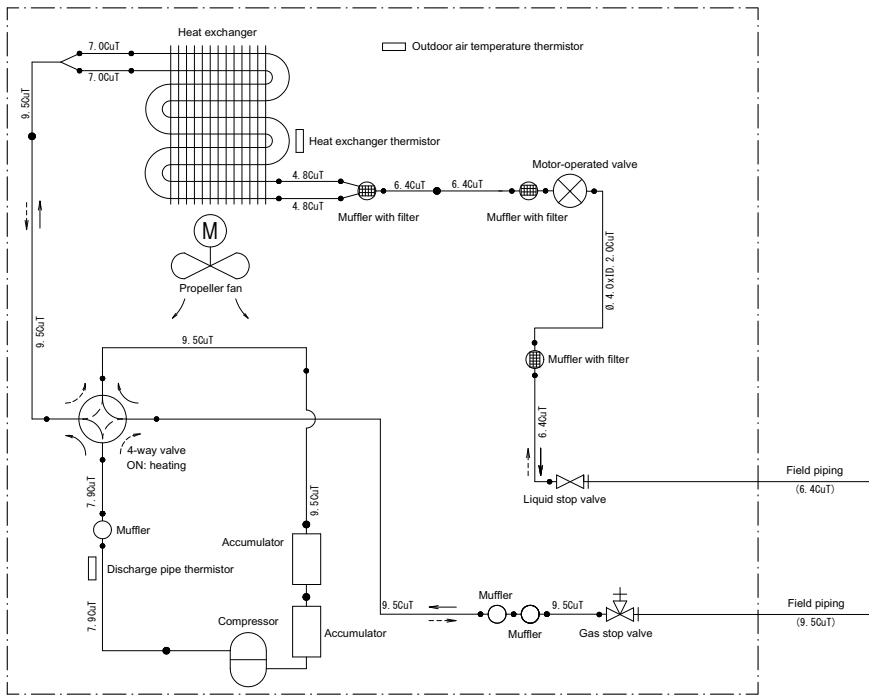
→ Cooling

---→ Heating

3D091995A

RXS35L3

Outdoor unit



Refrigerant flow

→ Cooling

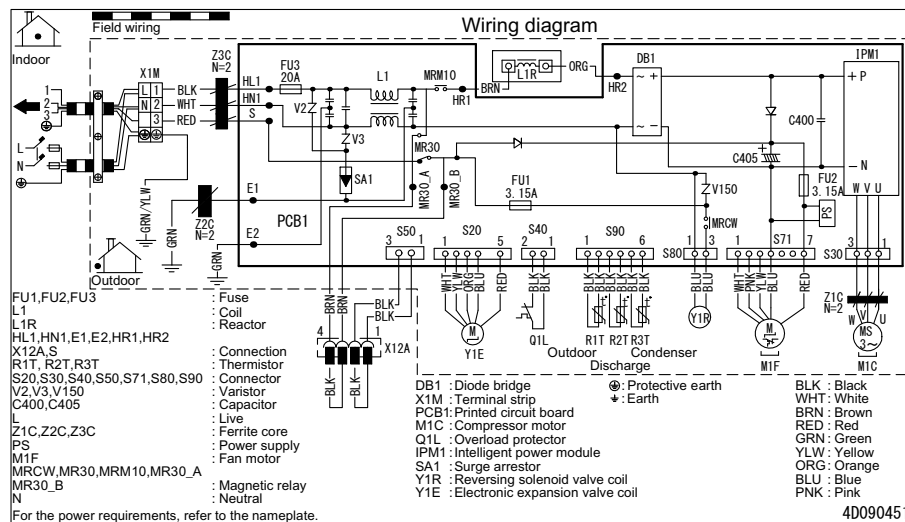
---→ Heating

3D092419

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS20-35L3



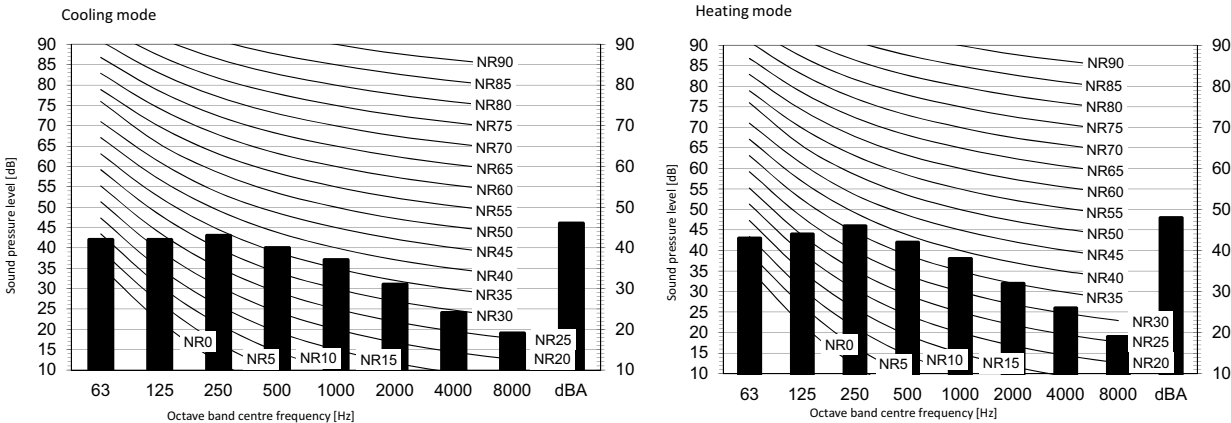
Notes

1. Size: length 80 X width 140.
2. Refer to purchasing specification AS303002, unless otherwise specified.

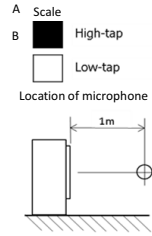
4D090151

9 Sound data
9 - 1 Sound Pressure Spectrum

RXS20-25L3



Legend
dBA = A-weighted sound pressure level (A scale according to IEC).



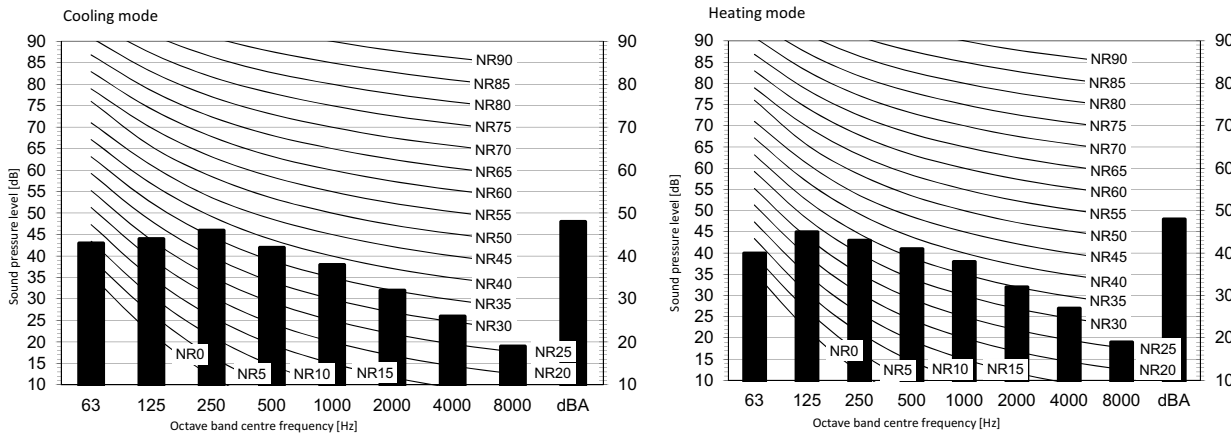
Cooling		Total dB
A	B	
dBA		46

Heating		Total dB
A	B	
dBA		47

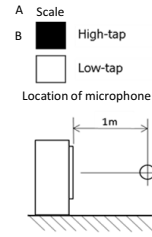
- Notes
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 2. Background noise already taken into account.
 3. Operating noise varies depending on operation and ambient conditions.
 4. The operation noise measuring method is in accordance with JISC9612.
 5. Measuring location: anechoic chamber

3D091953

RXS35L3



Legend
dBA = A-weighted sound pressure level (A scale according to IEC).



Cooling		Total dB
A	B	
dBA		48

Heating		Total dB
A	B	
dBA		49

- Notes
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 2. Background noise already taken into account.
 3. Operating noise varies depending on operation and ambient conditions.
 4. The operation noise measuring method is in accordance with JISC9612.
 5. Measuring location: anechoic chamber

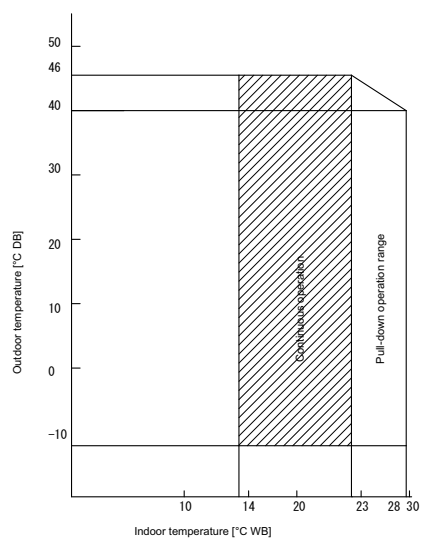
3D091954

10 Operation range

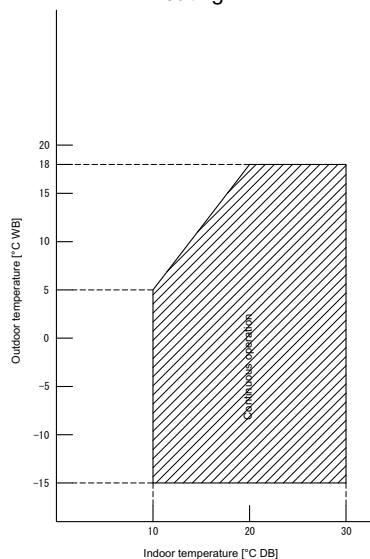
10 - 1 Operation Range

RXS20-35L3

Cooling



Heating

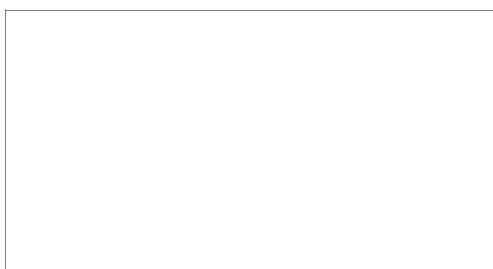


Notes

The graphs is based on the following conditions.
 Corresponding refrigerant piping length: 5 m
 Level difference: 0m
 Air flow rate High

3D091960

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XXX-07/16



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