DAIKIN

Air Conditioning

Technical Data



EEDEN15-100

RXS-L

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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.
- 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)	7.05 (2) / 6.73 (3) / 6.41 (4)
		Heating	A	6.6 (2) / 6.3 (3) / 6.0 (4)	6.8 (2) / 6.5 (3) / 6.2 (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 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

2-4 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

2-6 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

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

2-8 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

2-11 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	m^3/min	37.3	50.9	50.2
				cfm	1,317	1,797	1,798
			Super low	m^3/min	30.6	48.9	45.0
				cfm	1,080	1,727	1,589
		Heating	High	m^3/min	31.3	45.0	46.3
				cfm	1,105	1,589	1,635
			Super low	m^3/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_2eq	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	
	Gas	OD		mm	-	12.7	
	Drain	ID		mm	-		
		OD		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

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

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
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]

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 5.7 3.4	0.053	0.27	0.048	0.30
FCQG60FVEB	RXS60L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 253V Min. 50Hz 207V	19.75	20	7.4 7.1 6.8	0.053	0.19	0.048	0.30

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

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

3 Electrical data

3 - 1 Electrical Data

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

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 7.50 7.19	53	0.23	60	0.6
FHQ60CAVEB	RXS60L2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	73	9.24 8.84 8.47	53	0.27	60	0.6

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

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

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

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 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	84	8.7 8.3 7.9	53	0.32	43	0.16
FTXS71GV1B	RXS71FAV1B8	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20.0	57	10.3 9.9 9.4	66	0.40	43	0.19

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)

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

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

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

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]

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m^3/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

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

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]

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m^3/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	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.53	3.90	1.49	5.53	3.90	1.66	5.53	3.90	1.82	5.48	3.87	1.88	5.31	3.78	1.97	5.03	3.63	2.12
16.0	22	6.42	4.16	1.54	6.14	4.01	1.68	5.86	3.87	1.83	5.75	3.81	1.89	5.59	3.73	1.98	5.31	3.59	2.12
18.0	25	6.70	4.29	1.54	6.42	4.16	1.69	6.14	4.03	1.84	6.03	3.97	1.90	5.86	3.89	1.99	5.58	3.77	2.13
19.0	27	6.84	4.47	1.55	6.56	4.34	1.70	6.28	4.21	1.84	6.17	4.16	1.90	6.00	4.09	1.99	5.72	3.96	2.14
22.0	30	7.25	4.29	1.56	6.97	4.18	1.71	6.69	4.06	1.86	6.58	4.02	1.91	6.41	3.95	2.00	6.14	3.84	2.15
24.0	32	7.53	4.16	1.57	7.25	4.06	1.72	6.97	3.95	1.86	6.86	3.91	1.92	6.69	3.85	2.01	6.41	3.75	2.16

Heating **50Hz 220-240V**

AFR	17.2

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

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS50FV1B + RXS50L2V1B

Cooling **50Hz 220-240V**

AFR	10.7
BF	0.13

4

Indoor		Outdoor temp. (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.53	3.19	1.13	4.53	3.19	1.27	4.53	3.19	1.41	4.53	3.19	1.46	4.42	3.13	1.53	4.19	3.01	1.65
16.0	22	5.35	3.45	1.20	5.12	3.33	1.31	4.89	3.21	1.43	4.79	3.16	1.47	4.65	3.09	1.54	4.42	2.98	1.65
18.0	25	5.58	3.56	1.20	5.35	3.45	1.32	5.12	3.34	1.43	5.02	3.29	1.48	4.88	3.23	1.55	4.65	3.12	1.66
19.0	27	5.70	3.71	1.21	5.47	3.60	1.32	5.23	3.49	1.44	5.14	3.45	1.48	5.00	3.39	1.55	4.77	3.28	1.66
22.0	30	6.04	3.56	1.22	5.81	3.46	1.33	5.58	3.37	1.45	5.49	3.33	1.49	5.35	3.27	1.56	5.11	3.18	1.67
24.0	32	6.27	3.45	1.22	6.04	3.36	1.34	5.81	3.27	1.45	5.72	3.24	1.50	5.58	3.19	1.57	5.34	3.10	1.68

Heating **50Hz 220-240V**

AFR	11.8

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

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS50BAVMB + RXS50L2V1B

Cooling **50Hz 220-240V**

AFR	11.4
BF	0.18

Indoor		Outdoor temp. (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.96	3.26	1.37	4.81	3.19	1.47	4.66	3.12	1.56	4.60	3.09	1.60	4.51	3.05	1.66	4.36	2.98	1.75
16.0	22	5.12	3.30	1.40	4.97	3.23	1.49	4.82	3.16	1.59	4.76	3.13	1.62	4.67	3.09	1.68	4.52	3.02	1.78
18.0	25	5.27	3.33	1.42	5.12	3.26	1.52	4.97	3.19	1.61	4.91	3.16	1.65	4.82	3.12	1.71	4.67	3.05	1.80
19.0	27	5.35	3.35	1.44	5.20	3.28	1.53	5.05	3.21	1.63	4.99	3.18	1.66	4.90	3.14	1.72	4.75	3.07	1.82
22.0	30	5.58	3.40	1.47	5.43	3.33	1.57	5.28	3.26	1.66	5.22	3.23	1.70	5.13	3.19	1.76	4.98	3.12	1.85
24.0	32	5.74	3.43	1.50	5.59	3.36	1.60	5.44	3.29	1.69	5.38	3.26	1.73	5.29	3.22	1.79	5.14	3.15	1.88

Heating **50Hz 220-240V**

AFR	12.1

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

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

FDXS50F2VEB9 + RXS50L2V1B

Cooling **50Hz 220-240V**

AFR	12.0
BF	0.11

4

Indoor		Outdoor temp. (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.92	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	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.58	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

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG50FVEB + RXS50L2V1B

Cooling **220-240V 50Hz**

AFR	12.6
BF	0.22

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

Heating **220-240V 50Hz**

AFR	12.5

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

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	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,84	4,01	1,26	5,57	3,86	1,38	5,31	3,72	1,50	5,20	3,66	1,55	5,04	3,58	1,62	4,78	3,44	1,74
16,0	22	6,10	3,94	1,27	5,84	3,80	1,39	5,57	3,67	1,51	5,47	3,61	1,56	5,31	3,53	1,63	5,04	3,40	1,75
18,0	25	6,36	4,07	1,27	6,10	3,94	1,39	5,83	3,81	1,52	5,73	3,76	1,56	5,57	3,69	1,64	5,30	3,56	1,76
19,0	27	6,50	4,24	1,28	6,23	4,11	1,40	5,97	3,99	1,52	5,86	3,94	1,57	5,70	3,87	1,64	5,43	3,75	1,76
22,0	30	6,89	4,07	1,29	6,62	3,95	1,41	6,36	3,85	1,53	6,25	3,80	1,58	6,09	3,74	1,65	5,83	3,63	1,77
24,0	32	7,15	3,94	1,29	6,89	3,84	1,42	6,62	3,74	1,54	6,52	3,70	1,59	6,36	3,64	1,66	6,09	3,54	1,78

Heating **220-240V 50Hz**

AFR	13.6

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

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

FFQ50C2VEB + RXS50L2V1B

Cooling **50Hz 220-240V**

AFR	12
BF	0.16

4

Indoor		Outdoor temp. (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,06	3,73	1,26	4,90	3,66	1,34	4,74	3,59	1,42	4,68	3,55	1,46	4,59	3,51	1,51	4,43	3,44	1,59
16,0	22	5,23	3,77	1,28	5,07	3,69	1,36	4,91	3,62	1,45	4,85	3,60	1,47	4,76	3,54	1,53	4,60	3,47	1,61
18,0	25	5,39	3,81	1,30	5,23	3,73	1,39	5,07	3,66	1,46	5,01	3,63	1,50	4,91	3,59	1,55	4,76	3,51	1,63
19,0	27	5,48	3,82	1,32	5,32	3,74	1,40	5,16	3,67	1,48	5,10	3,65	1,51	5,00	3,60	1,56	4,84	3,52	1,65
22,0	30	5,72	3,88	1,34	5,56	3,81	1,43	5,40	3,73	1,51	5,34	3,70	1,54	5,24	3,66	1,59	5,09	3,59	1,67
24,0	32	5,89	3,91	1,37	5,73	3,84	1,46	5,57	3,77	1,53	5,51	3,73	1,57	5,41	3,69	1,62	5,26	3,62	1,70

Heating **50Hz 220-240V**

AFR	12

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

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

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

FFQ60C2VEB + RXS60L2V1B

Cooling **50Hz 220-240V**

AFR	14,5
BF	0.11

Indoor		Outdoor temp. (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	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	-15		-10		-5		0		6		10	
(°C)	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

FHQ50CAVEB + RXS50L2V1B

Cooling **50Hz 220-240V**

AFR	15.0
BF	0.18

4

Indoor		Outdoor temp. (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	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	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.01	1.28	3.74	1.28	4.46	1.37	5.19	1.55	6.06	1.66	6.64	1.73
18.0	2.98	1.35	3.71	1.35	4.43	1.44	5.16	1.62	6.03	1.73	6.61	1.80
20.0	2.95	1.41	3.68	1.41	4.40	1.50	5.13	1.69	6.00	1.79	6.58	1.86
21.0	2.94	1.45	3.66	1.45	4.39	1.54	5.11	1.71	5.99	1.82	6.57	1.89
22.0	2.92	1.48	3.65	1.48	4.37	1.57	5.10	1.75	5.97	1.85	6.55	1.93
24.0	2.89	1.55	3.62	1.55	4.34	1.63	5.07	1.81	5.94	1.92	6.52	1.99

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ60CAVEB + RXS60L2V1B

Cooling **50Hz 220-240V**

AFR	19.5
BF	0.2

Indoor		Outdoor temp. (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.84	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	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	4.03	1.74	4.85	1.84	5.66	1.93	6.47	2.01	7.45	2.12	8.10	2.20
20.0	3.79	1.80	4.60	1.88	5.41	1.97	6.22	2.07	7.20	2.17	7.85	2.24
22.0	3.69	1.81	4.50	1.90	5.31	2.00	6.12	2.08	7.10	2.19	7.75	2.26
24.0	3.59	1.83	4.40	1.93	5.21	2.01	6.03	2.10	7.00	2.20	7.51	2.28
25.0	3.54	1.85	4.35	1.93	5.16	2.02	5.98	2.11	6.95	2.22	7.28	2.29
27.0	3.44	1.86	4.25	1.95	5.06	2.04	5.88	2.14	6.81	2.24	6.81	2.31

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

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 [m^3/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 [m^3/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

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 [m^3/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

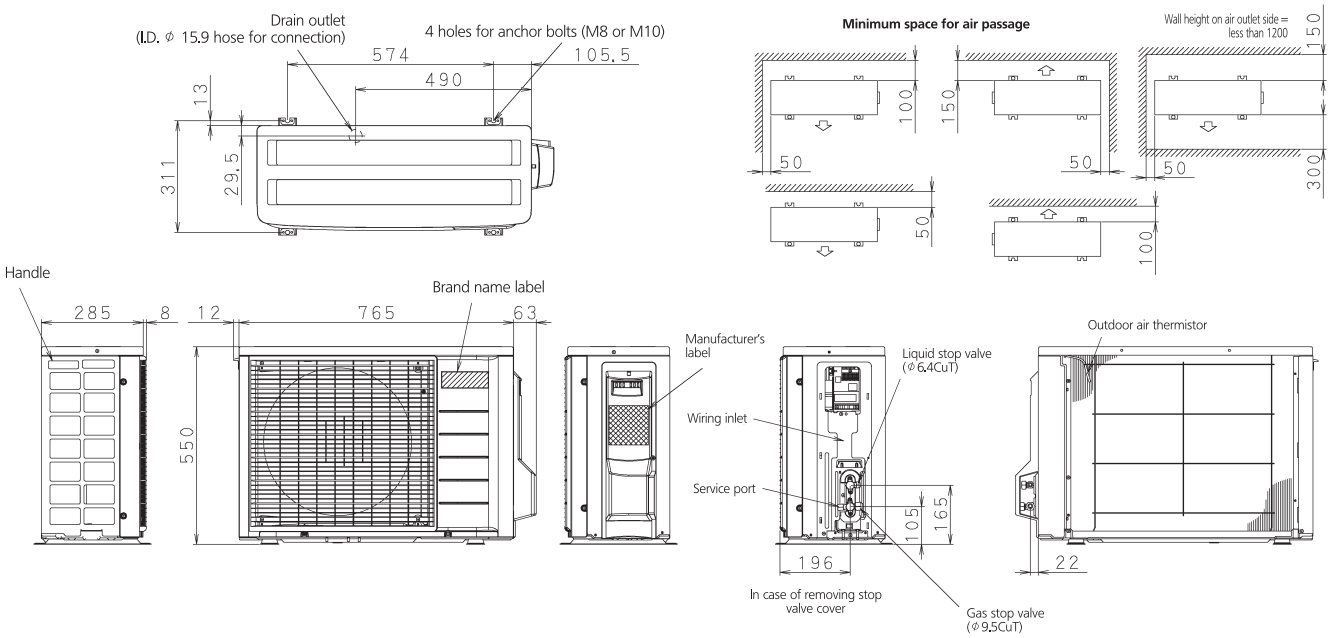
1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) The bold cells indicate the standard conditions.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table 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

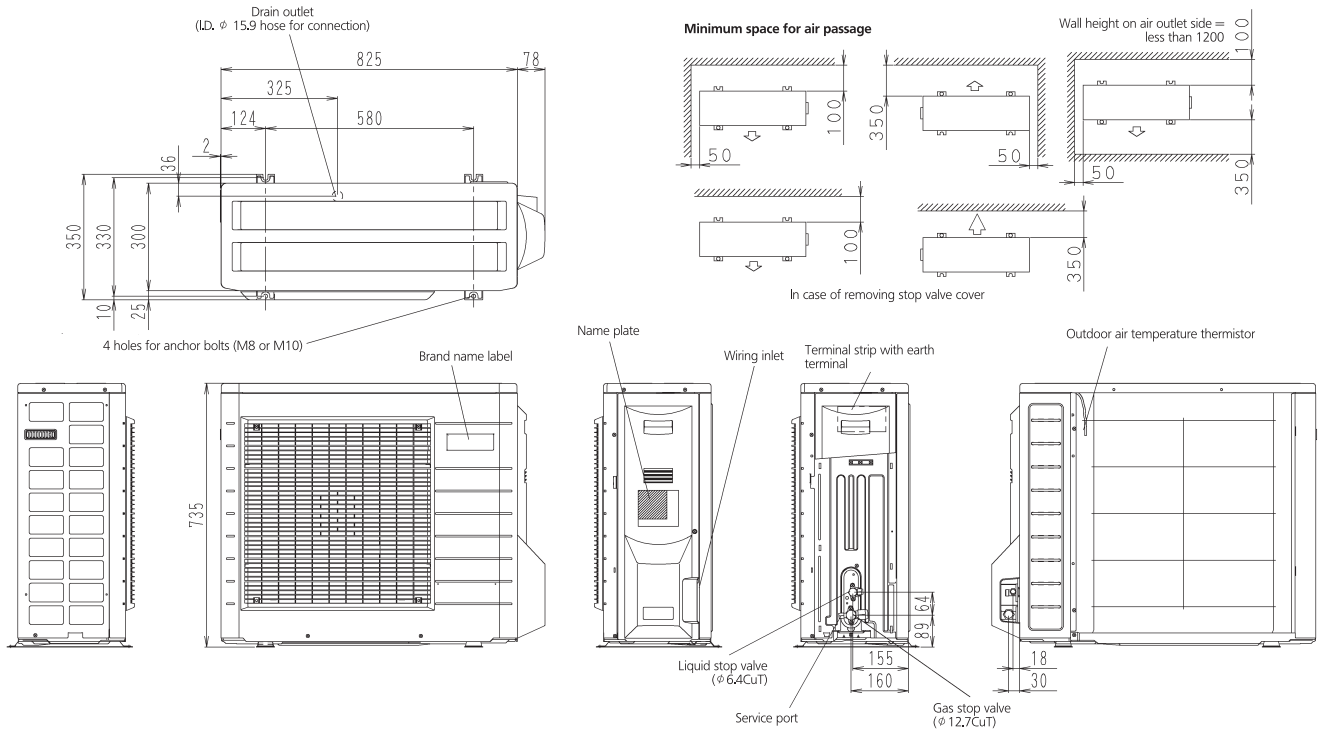
5 - 1 Dimensional Drawings

RXS42L



3D055546H

RXS50-60L

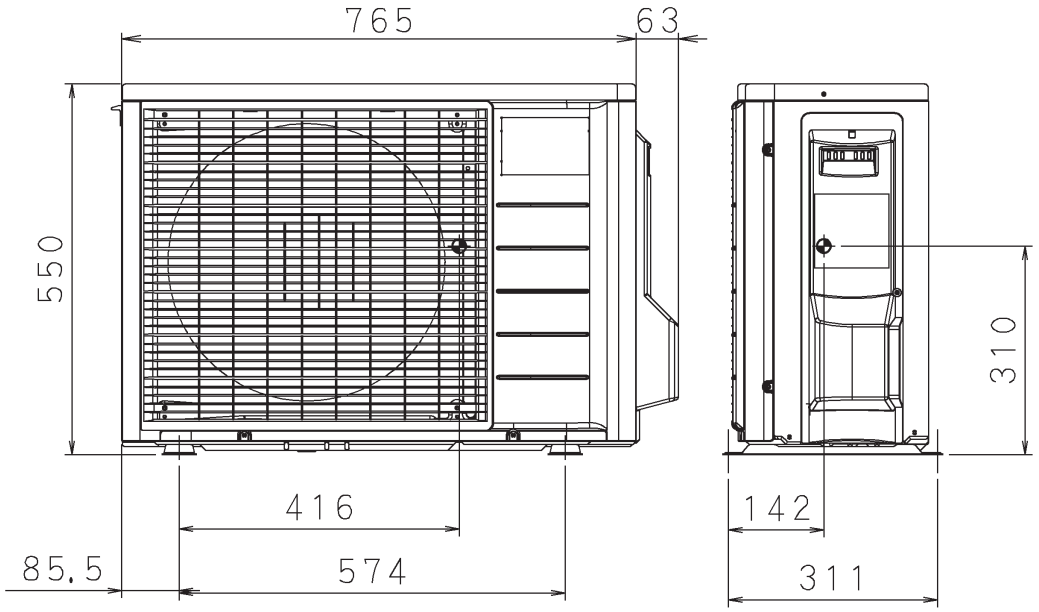


3D051657U

6 Centre of gravity

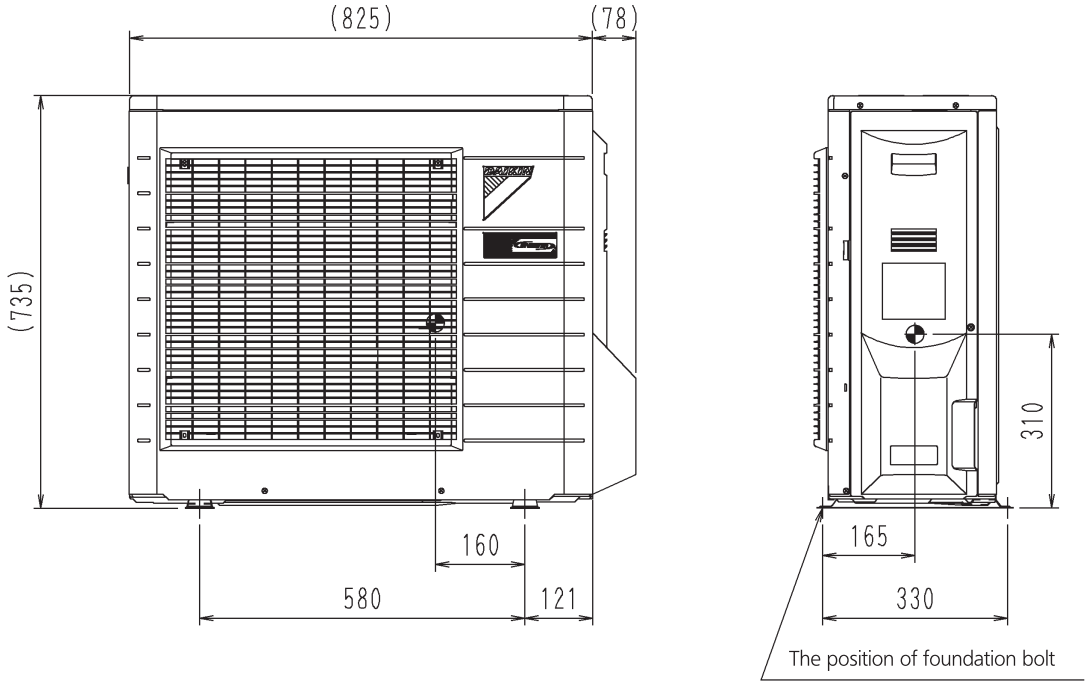
6 - 1 Centre of Gravity

RXS42L



4D059009N

RXS50-60L

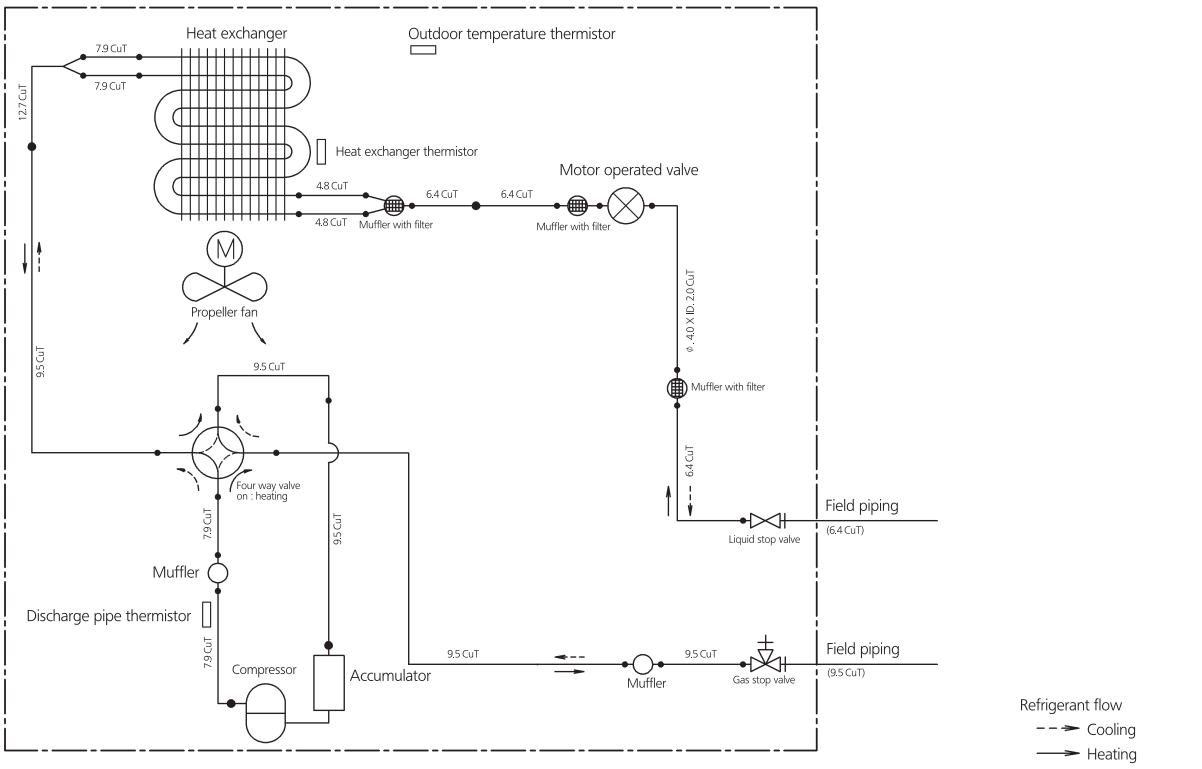


4D080604B

7 Piping diagrams

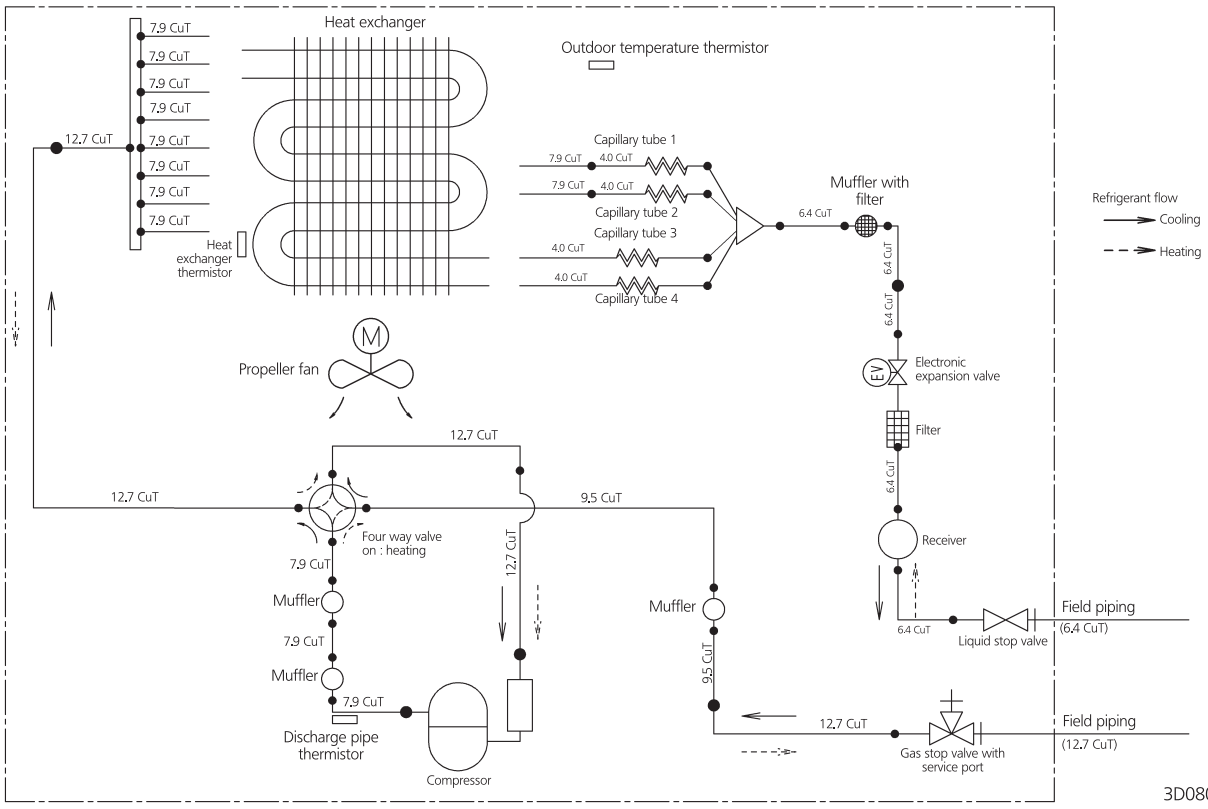
7 - 1 Piping Diagrams

RXS42L



3D059590F

RXS50-60L

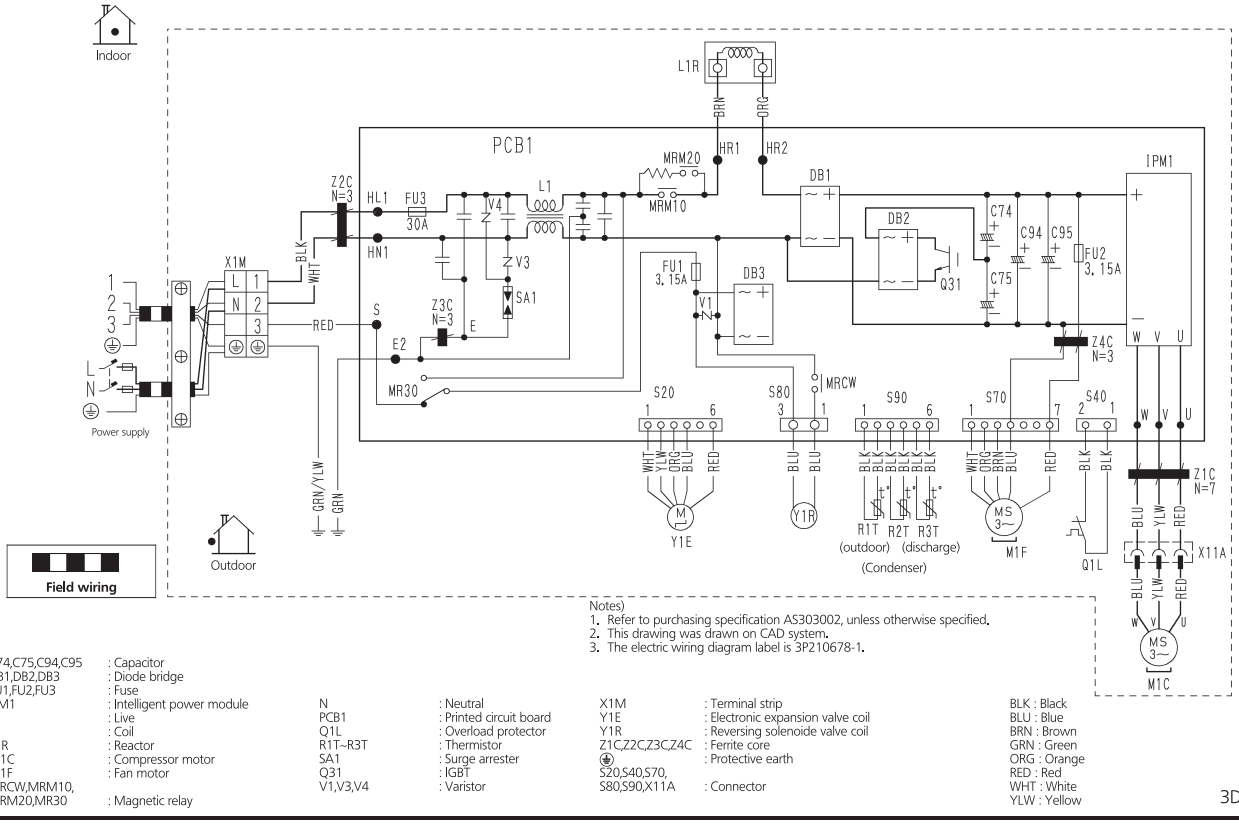


3D080605C

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS42L

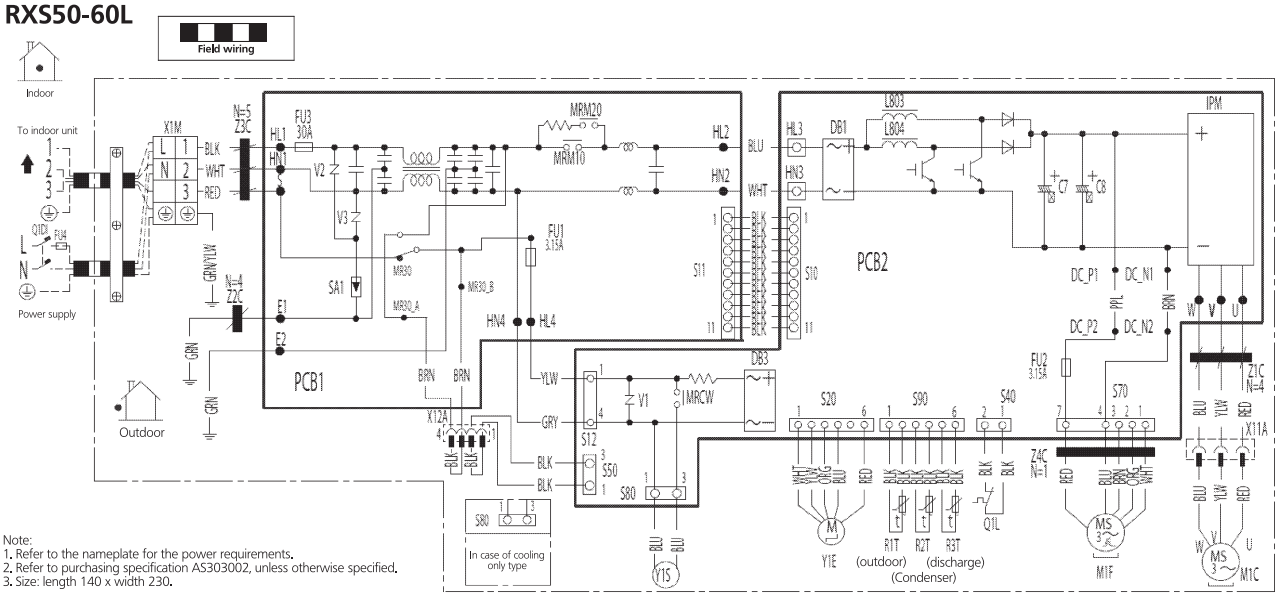


Notes)
1. Refer to purchasing specification AS303002, unless otherwise specified.
2. This drawing was drawn on CAD system.
3. The electric wiring diagram label is 3P210678-1.

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

3D059601C

RXS50-60L



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

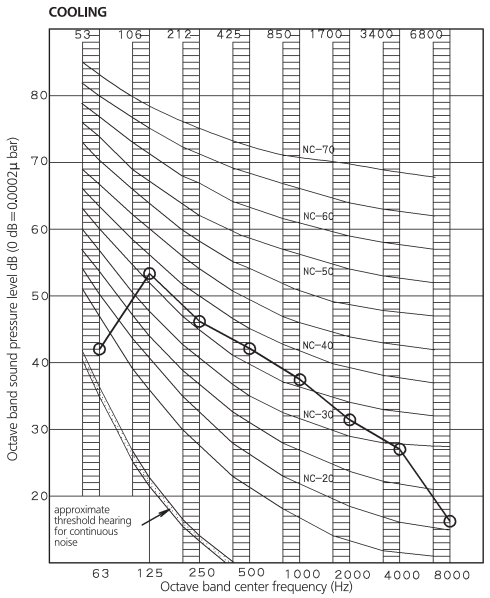
C7,C8	: Capacitor	N	: Neutral	V1,V2,V3	: Varistor
DB1,DB3	: Diode bridge	Q1L	: Overload protector	X1M	: Terminal strip
FU1,FU2,FU3	: Fuse	Q1DI	: Earth leak detector	Y1E	: Electronic expansion valve coil
FU4	: Field fuse	PCB1,PCB2	: Printed circuit board	Y1S	: Reversing solenoide valve coil
IPM	: Intelligent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

3D079016A

9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

RXS42L



NOTES

1 Overall (dB)

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

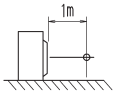
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

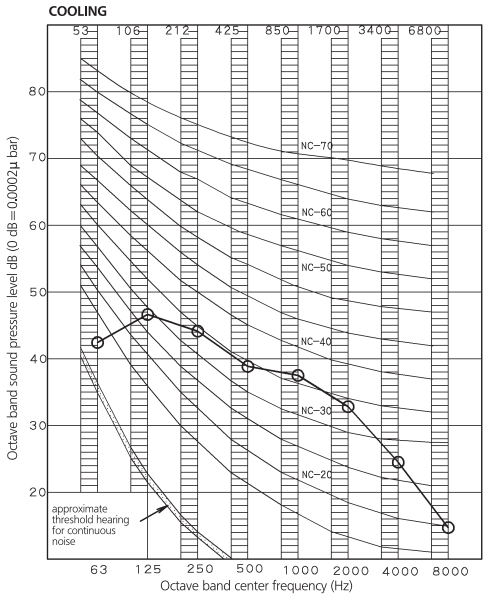
4 Operating conditions: Power source 220~240V 50Hz
○—○
Cooling

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



3D059597F

RXS50L



NOTES

1 Overall (dB)

Scale	50Hz 220~240V
A	48

(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

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

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

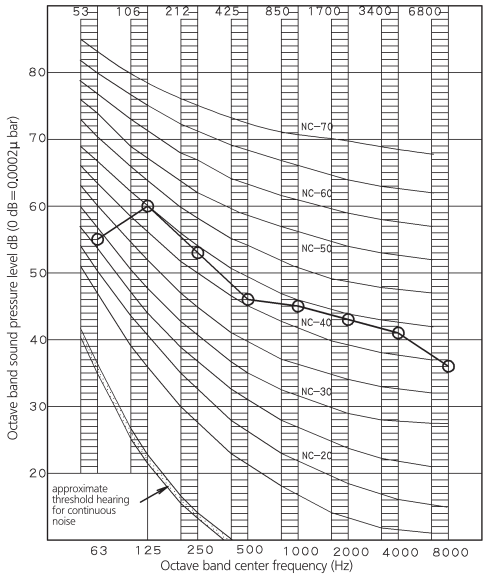
3D059740J

9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

RXS60L

COOLING



NOTES

1 Overall (dB)

Scale	50Hz 220~240V
A	49

(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

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

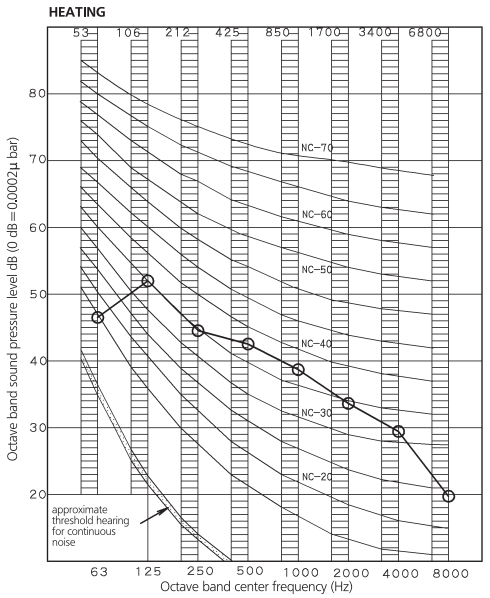
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D051716G

9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

RXS42L



NOTES

1 Overall (dB)

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

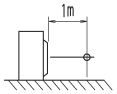
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

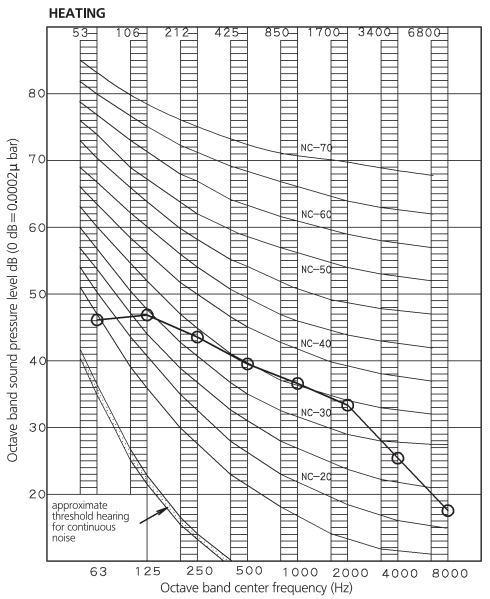
4 Operating conditions: Power source 220~240V 50Hz
○—○ Heating

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



3D059597F

RXS50L



NOTES

1 Overall (dB)

Scale	50Hz 220~240V
A	48

(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

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

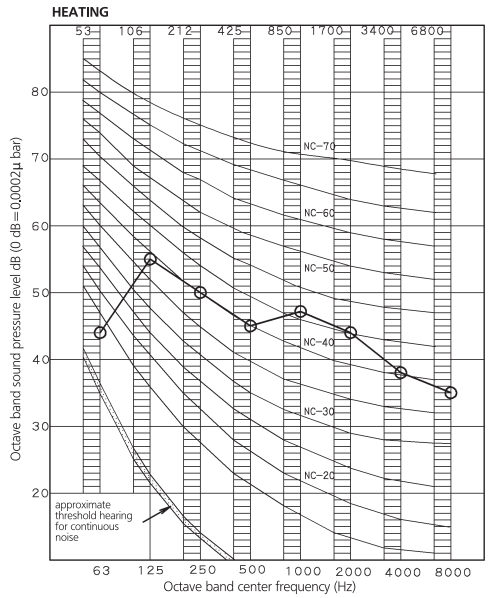
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D059740J

9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

RXS60L



NOTES

1 Overall (dB)

Scale	50Hz 220~240V
A	49

(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

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

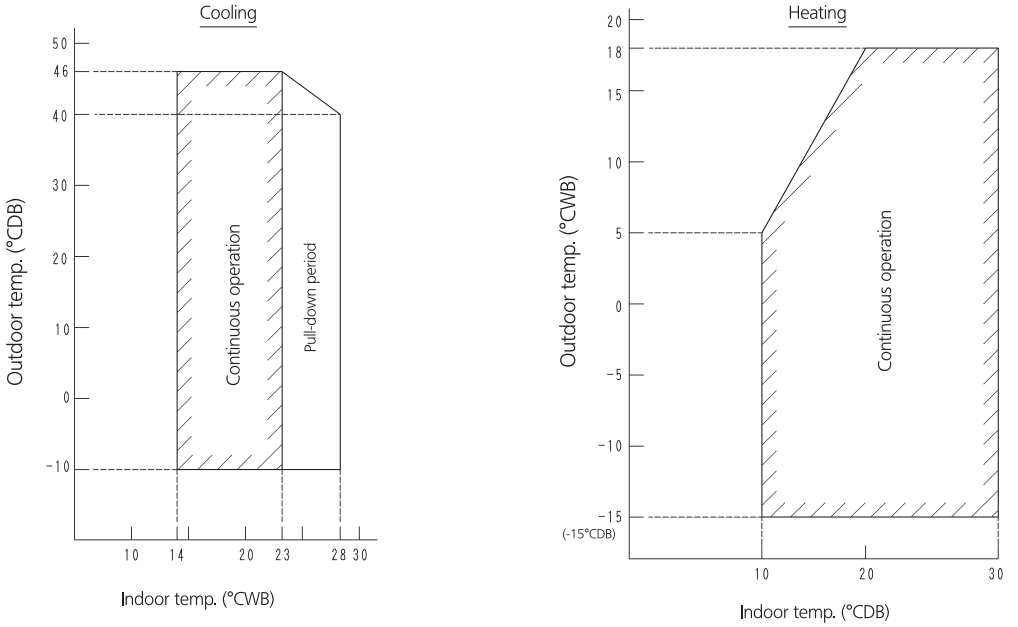
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D051716G

10 Operation range

10 - 1 Operation Range

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

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DAIKIN

EEDEN09-100

technical data

RZQS-DV1

air conditioning systems

R-410A

Split Sky Air

Split - Sky Air

In all of us, a green heart

Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

Het ISO14001 assures an effective environmental management system in order to help protect human health and the environment from potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

Daikin units comply with the European regulations that guarantee the safety of the product.

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DAIKIN EUROPE N.V.

Naamloze Vennootschap

Zandvoordestraat 300

B-8400 Ostend, Belgium

www.daikin.eu

BTW: BE 0412 120 336

RPR Oostende

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EEDEN09-100

technical data

RZQS-DV1

air conditioning systems

R-410A

Split Sky Air

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1 Features

- Outdoor units for pair, twin, triple, double twin application
- The Sky Air Inverter is developed for use in shops, restaurants and small offices. This innovative Daikin unit provides a more comfortable environment and offers great savings in energy consumption to shop and office owners.
- The use of inverter type outdoor units results in an air conditioning system with a high energy efficiency and very low sound level
- An inverter driven compressor allows the capacity to be adjusted precisely to match variations in room and outside temperatures.
- During start up, the room can be cooled down or heated very quickly. Once the temperature in the room has reached its set point, the low power operation starts to save energy.
- Daikin outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall.
- Outdoor units are fitted with either a swing or scroll compressor, renowned for low noise and high energy efficiency
- A special acryl precoated fin for anti-corrosion treatment on the heat exchanger ensures greater resistance against severe weather conditions



2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RZQS71D7V1B	RZQS100D7V1B	RZQS125D7V1B	RZQS140D7V1B
For combination indoor units + outdoor units	Indoor Units			FCQ71C7VEB	FCQ100C7VEB	FCQ125C7VEB	FCQ140C7VEB
Cooling capacity	Standard	kW		7.1	10.0	12.5	14.0
Heating capacity	Standard	kW		8.0	11.2	14.0	16.0
Power Input	Cooling	Standard	kW	2.28	3.22	4.02	5.36
	Heating	Standard	kW	2.35	3.28	4.06	4.98
For combination indoor units + outdoor units	EER	Nominal		3.11	3.11	3.11	2.61
	COP	Nominal		3.41	3.41	3.45	3.21
	Energy Label	Cooling		B	B	B	D
		Heating		B	B	B	C
	Annual energy consumption		kWh	1,141	1,608	2,010	2,682
	Indoor Units			FCQH71D7VEB	FCQH100D7VEB	FCQH125D7VEB	FCQH140D7VEB
Cooling capacity	Standard	kW		7.1	10.0	12.5	14.0
Heating capacity	Standard	kW		8.0	11.2	14.0	16.0
Power Input	Cooling	Standard	kW	2.15	2.90	3.88	4.65
	Heating	Standard	kW	2.16	2.95	3.79	4.69
For combination indoor units + outdoor units	EER	Nominal		3.30	3.45	3.22	3.01
	COP	Nominal		3.70	3.80	3.69	3.41
	Energy Label	Cooling		A	A	A	B
		Heating		A	A	A	B
	Annual energy consumption		kWh	1,076	1,449	1,941	2,326
	Indoor Units			FBQ71C7VEB	FBQ100C7VEB	FBQ125C7VEB	FBQ140C7VEB
Cooling capacity	Standard	kW		7.1	10.0	12.5	13.4
Heating capacity	Standard	kW		8.0	11.2	14.0	15.0
Power Input	Cooling	Standard	kW	2.18	3.03	3.98	4.77
	Heating	Standard	kW	2.25	3.07	4.11	4.67
For combination indoor units + outdoor units	EER	Nominal		3.26	3.30	3.14	2.81
	COP	Nominal		3.55	3.65	3.41	3.21
	Energy Label	Cooling		A	A	B	C
		Heating		B	A	B	C
	Annual energy consumption		kWh	1,089	1,515	1,990	2,384
	Indoor Units			FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	
Cooling capacity	Standard	kW		7.1	10.0	12.5	
Heating capacity	Standard	kW		8.0	11.2	14.0	
Power Input	Cooling	Standard	kW	2.51	3.56	4.55	
	Heating	Standard	kW	2.75	3.85	4.86	
For combination indoor units + outdoor units	EER	Nominal		2.83	2.81	2.75	
	COP	Nominal		2.91	2.91	2.88	
	Energy Label	Cooling		C	C	D	
		Heating		D	D	D	
	Annual energy consumption		kWh	1,254	1,779	2,273	
	Indoor Units			FAQ71BVV1B	FAQ100BVV1B	FDQ125B8V3B9	
Cooling capacity	Standard	kW		7.1	10.0	12.5	
Heating capacity	Standard	kW		8.0	11.2	14	
Power Input	Cooling	Standard	kW	2.44	3.56	4.30	
	Heating	Standard	kW	2.49	3.49	3.97	
For combination indoor units + outdoor units	EER	Nominal		2.91	2.81	2.91	
	COP	Nominal		3.21	3.21	3.53	
	Energy Label	Cooling		C	C	C	
		Heating		C	C	B	
	Annual energy consumption		kWh	1,220	1,779	2,148	
	Indoor Units			FVQ71BV1B	FVQ100BV1B	FVQ125BV1B	
Cooling capacity	Standard	kW		7.1	10.0	12.5	
Heating capacity	Standard	kW		8.0	11.2	14.0	
Power Input	Cooling	Standard	kW	2.53	3.56	4.45	
	Heating	Standard	kW	2.49	3.49	4.36	

2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RZQS71D7V1B	RZQS100D7V1B	RZQS125D7V1B	RZQS140D7V1B
For combination indoor units + outdoor units	EER	Nominal		2.81	2.81	2.81	
	COP	Nominal		3.21	3.21	3.21	
	Energy Label	Cooling		C	C	C	
		Heating		C	C	C	
	Annual energy consumption		kWh	1,265	1,779	2,225	

2-2 TECHNICAL SPECIFICATIONS				RZQS71D7V1B	RZQS100D7V1B	RZQS125D7V1B	RZQS140D7V1B
Casing	Colour			Ivory White			
	Material			Paintable galvanized steel plate			
Dimensions	Unit	Height	mm	770	1,170	1,170	1,170
		Width	mm	900	900	900	900
		Depth	mm	320	320	320	320
	Packing	Height	mm	900	1,349	1,349	1,349
		Width	mm	980	980	980	980
		Depth	mm	420	420	420	420
Weight	Unit		kg	68	103	103	103
	Packed Unit		kg	72	119	119	119
Heat Exchanger	Dimensions	Length	mm	857	857	857	857
		Nr of Rows		2	2	2	2
		Fin Pitch	mm	1.4	1.4	1.4	1.4
		Nr of Passes		8	10	10	10
		Face Area	m^2	0.641	0.98	0.98	0.98
		Nr of Stages		34	52	52	52
	Tube type			Hi-XSS(8)			
	Fin	Type		WF fin			
		Treatment		Anti-corrosion treatment (PE)			
Fan	Type			Propeller			
	Discharge direction			Horizontal			
	Quantity			1	2	2	2
	Air Flow Rate (nominal at 230V)	Cooling	m^3/min	52	96	100	97
		Heating	m^3/min	48	90	90	90
	Motor	Quantity		1	2	2	2
		Model		KFD-325-70-8A	Brushless DC Motor	Brushless DC Motor	Brushless DC Motor
Motor	Speed (nominal)	Steps		8	8	8	8
		Cooling (Standard)	rpm	800	800	850	830
		Heating (Standard)	rpm	745	760	760	760
Fan	Motor	Output	W	70	70	70	70
		Drive		Direct drive			
Compressor	Quantity			1	1	1	1
	Motor	Model		2YC63DXD	JT100G-VD	JT100G-VD	JT100G-VD
		Type		Hermetically sealed swing compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
		Motor Output	W	1,700	2,200	2,200	2,200
		Crankcase Heater	W		33	33	33
		Starting Method		Inverter driven			
Operation Range	Cooling	Min	°CDB	-5.0	-5.0	-5.0	-5.0
		Max	°CDB	46	46	46	46
	Heating	Min	°CWB	-15	-15	-15	-15
		Max	°CWB	15.5	15.5	15.5	15.5
Sound Level (nominal)	Cooling	Sound Power	dBA	65	67	67	68
		Sound Pressure (Standard)	dBA	49	51	51	52
	Heating	Sound Pressure (Standard)	dBA	51	55	53	54
Sound Level (Night quiet)	Sound Pressure		dBA	47	49	49	50

2 Specifications

2-2 TECHNICAL SPECIFICATIONS				RZQS71D7V1B	RZQS100D7V1B	RZQS125D7V1B	RZQS140D7V1B
Refrigerant	Type			R-410A			
	Charge		kg	2.75	3.7	3.7	3.7
	Control			Expansion valve (electronic type)			
	Nr of Circuits			1	1	1	1
Refrigerant Oil	Type			FVC50K	Daphne FVC68D	Daphne FVC68D	Daphne FVC68D
	Charged Volume		l	0.75	1.0	1.0	1.0
Piping connections	Liquid (OD)	Quantity		1	1	1	1
		Type		Flare connection			
		Diameter (OD)	mm	9.52	9.52	9.52	9.52
	Gas	Quantity		1	1	1	1
		Type		Flare connection			
		Diameter (OD)	mm	15.9	15.9	15.9	15.9
	Drain	Quantity		3	3	3	3
		Type		Hole			
		Diameter (OD)	mm	26	26	26	26
	Piping Length	Minimum	m	5	5	5	5
		Maximum	m	30	50	50	50
		Equivalent	m	40	70	70	70
		Chargeless	m	30	30	30	30
	Additional Refrigerant Charge		kg/m	see installation manual 4PW49302-1			
	Installation height difference	Maximum	m	15	30	30	30
	Max. internunit level difference		m	0.5	0.5	0.5	0.5
	Heat Insulation			Both liquid and gas pipes			
Defrost Method				Pressure equalising			
Defrost Control				Temperature			
Capacity Control Method				Inverter controlled			
Safety Devices				High pressure switch			
				Fan motor thermal protector			
				Fuse			
Standard Accessories	Item			Tie-wraps			
	Quantity			2	2	2	2
	Item			Installation manual			
	Quantity			1	1	1	1
Notes				Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 5m, level difference : 0m.			
				Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 5m, level difference : 0m			

2-3 ELECTRICAL SPECIFICATIONS				RZQS71D7V1B	RZQS100D7V1B	RZQS125D7V1B	RZQS140D7V1B
Power Supply	Name			V1			
	Phase			1~			
	Frequency		Hz	50	50	50	50
	Voltage		V	220-240			
	Voltage range	Minimum	V	198	198	198	198
		Maximum	V	264	264	264	264
Current	Minimum Ssc (2) value		kVa	Dummy			
	Recomended fuses		A	20	32	32	32
Wiring connections	For Power Supply	Remark		see installation manual 4PW49302-1			
	For connection with indoor	Remark		see installation manual 4PW49302-1			
Power Supply Intake				Outdoor unit only			
Notes				See separate drawings for electrical data			
				(1) European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A smaller than or equal to 75A per phase.			
				(2) Short-circuit power			
						Power supply to the FDQ indoor unit is separate	

3 Electrical data

RZQS71-140DV1

Unit combination		Power supply					Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCQH71D7VEB	RZQS71D7V1B			17.0	–	20	–	16.2	0.07	0.3	0.056	0.5
FCQ71C7VEB	RZQS71D7V1B			17.0	–	20	–	16.2	0.07	0.3	0.056	0.5
FCQ35C7VEBx2	RZQS71D7V1B			17.1	–	20	–	16.2	0.07	0.3	0.056x2	0.3x2
FFQ35BV1Bx2	RZQS71D7V1B	50-220	Max. 50Hz264V	17.7	–	20	–	16.2	0.07	0.3	0.055x2	0.6x2
FBQ71C7VEB	RZQS71D7V1B	50-230	Min. 50Hz198V	17.6	–	20	–	16.2	0.07	0.3	0.350	1.1
FBQ35C7VEBx2	RZQS71D7V1B	50-240		18.9	–	20	–	16.2	0.07	0.3	0.140x2	1.2x2
FHQ71BUV1B	RZQS71D7V1B			17.1	–	20	–	16.2	0.07	0.3	0.062	0.6
FHQ35BUV1Bx2	RZQS71D7V1B			17.7	–	20	–	16.2	0.07	0.3	0.062x2	0.6x2
FAQ71BUV1B	RZQS71D7V1B			16.8	–	20	–	16.2	0.07	0.3	0.043	0.3
FVQ71BV1B	RZQS71D7V1B			17.3	–	20	–	16.2	0.07	0.3	0.175	0.8
FCQH100D7VEB	RZQS100D7V1B			25.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.120	1.6
FCQ100C7VEB	RZQS100D7V1B			24.7	–	32	–	23.4	0.07+0.07	0.3+0.3	0.120	0.7
FCQ50C7VEBx2	RZQS100D7V1B			24.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x2	0.3x2
FCQ35C7VEBx3	RZQS100D7V1B			24.9	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x3	0.3x3
FFQ50BV1Bx2	RZQS100D7V1B			25.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.055x2	0.7x2
FFQ35BV1Bx3	RZQS100D7V1B			25.8	–	32	–	23.4	0.07+0.07	0.3+0.3	0.055x3	0.6x3
FBQ100C7VEB	RZQS100D7V1B	50-220	Max. 50Hz264V	25.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.350	1.6
FBQ50C7VEBx2	RZQS100D7V1B	50-230	Min. 50Hz198V	26.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.140x2	1.2x2
FBQ35C7VEBx3	RZQS100D7V1B	50-240		27.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.140x3	1.2x3
FHQ100BUV1B	RZQS100D7V1B			24.7	–	32	–	23.4	0.07+0.07	0.3+0.3	0.130	0.7
FHQ50BUV1Bx2	RZQS100D7V1B			25.2	–	32	–	23.4	0.07+0.07	0.3+0.3	0.062x2	0.6x2
FHQ35BUV1Bx3	RZQS100D7V1B			25.8	–	32	–	23.4	0.07+0.07	0.3+0.3	0.062x3	0.6x3
FAQ100BUV1B	RZQS100D7V1B			24.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.049	0.4
FVQ100BV1B	RZQS100D7V1B			25.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.320	1.4
FCQH125D7VEB	RZQS125D7V1B			25.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.120	1.6
FCQ125C7VEB	RZQS125D7V1B			25.0	–	32	–	23.4	0.07+0.07	0.3+0.3	0.120	1.0
FCQ60C7VEBx2	RZQS125D7V1B			24.8	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x2	0.4x2
FCQ50C7VEBx3	RZQS125D7V1B			24.9	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x3	0.3x3
FCQ35C7VEBx4	RZQS125D7V1B			25.2	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x4	0.3x4
FFQ60BV1Bx2	RZQS125D7V1B			25.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.055x2	0.7x2
FFQ50BV1Bx3	RZQS125D7V1B			26.1	–	32	–	23.4	0.07+0.07	0.3+0.3	0.055x3	0.7x3
FFQ35BV1Bx4	RZQS125D7V1B			26.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.055x4	0.6x4
FBQ125C7VEB	RZQS125D7V1B	50-220	Max. 50Hz264V	26.1	–	32	–	23.4	0.07+0.07	0.3+0.3	0.350	2.1
FBQ60C7VEBx2	RZQS125D7V1B	50-230	Min. 50Hz198V	26.2	–	32	–	23.4	0.07+0.07	0.3+0.3	0.350x2	1.1x2
FBQ50C7VEBx3	RZQS125D7V1B	50-240		27.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.140x3	1.2x3
FBQ35C7VEBx4	RZQS125D7V1B			28.8	–	32	–	23.4	0.07+0.07	0.3+0.3	0.140x4	1.2x4
FHQ125BUV1B	RZQS125D7V1B			24.7	–	32	–	23.4	0.07+0.07	0.3+0.3	0.130	0.7
FHQ60BUV1Bx2	RZQS125D7V1B			25.2	–	32	–	23.4	0.07+0.07	0.3+0.3	0.062x2	0.6x2
FHQ50BUV1Bx3	RZQS125D7V1B			25.8	–	32	–	23.4	0.07+0.07	0.3+0.3	0.062x3	0.6x3
FHQ35BUV1Bx4	RZQS125D7V1B			26.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.062x4	0.6x4
FVQ125BV1B	RZQS125D7V1B			25.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.365	1.6
FDQ125B7V3B	RZQS125D7V1B			24.0	–	32	–	23.4	0.07+0.07	0.3+0.3	0.500	4.2
FCQH140D7VEB	RZQS140D7V1B			25.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.120	1.6
FCQH71D7VEBx2	RZQS140D7V1B			25.0	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x2	0.5x2
FCQ140C7VEB	RZQS140D7V1B			25.0	–	32	–	23.4	0.07+0.07	0.3+0.3	0.120	1.0
FCQ71C7VEBx2	RZQS140D7V1B			25.0	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x2	0.5x2
FCQ50C7VEBx3	RZQS140D7V1B			24.9	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x3	0.3x3
FCQ35C7VEBx4	RZQS140D7V1B			25.2	–	32	–	23.4	0.07+0.07	0.3+0.3	0.056x4	0.3x4
FFQ50BV1Bx3	RZQS140D7V1B			26.1	–	32	–	23.4	0.07+0.07	0.3+0.3	0.055x3	0.7x3
FFQ35BV1Bx4	RZQS140D7V1B			26.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.055x4	0.6x4
FBQ140C7VEB	RZQS140D7V1B			26.1	–	32	–	23.4	0.07+0.07	0.3+0.3	0.350	2.1
FBQ71C7VEBx2	RZQS140D7V1B	50-220	Max. 50Hz264V	26.2	–	32	–	23.4	0.07+0.07	0.3+0.3	0.350x2	1.1x2
FBQ50C7VEBx3	RZQS140D7V1B	50-230	Min. 50Hz198V	27.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.140x3	1.2x3
FBQ35C7VEBx4	RZQS140D7V1B	50-240		28.8	–	32	–	23.4	0.07+0.07	0.3+0.3	0.140x4	1.2x4
FHQ71BUV1Bx2	RZQS140D7V1B			25.2	–	32	–	23.4	0.07+0.07	0.3+0.3	0.062x2	0.6x2
FHQ50BUV1Bx3	RZQS140D7V1B			25.8	–	32	–	23.4	0.07+0.07	0.3+0.3	0.062x3	0.6x3
FHQ35BUV1Bx4	RZQS140D7V1B			26.4	–	32	–	23.4	0.07+0.07	0.3+0.3	0.062x4	0.6x4
FAQ71BUV1Bx2	RZQS140D7V1B			24.6	–	32	–	23.4	0.07+0.07	0.3+0.3	0.043x2	0.3x2

NOTES

1 RLA is based on the following conditions:
Power supply: 50Hz - 230V
Cooling
Indoor temperature 27°CDB/19°CWB
Outdoor temperature 35°CDB
Heating
Indoor temperature 20.0°CDB
Outdoor temperature 7.0°CDB/6.0°CWB

2 TOCA means the total value of each OC set

3 Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed operation range limits

4 Maximum allowable voltage unbalance between phases is 2%

5 MCA represents maximum input current., MFA represents capacity which may accept MCA (next lower standard fuse rating, min.15A)

6 Select wire size based on the larger value of MCA or TOCA

7 MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker)

SYMBOLS

MCA	: Min. Circuit Amps (A)
TOCA	: Total Over Current Amps (A)
MFA	: Max. Fuse Amps (A) (See note 7)
MSC	: MSC means the max. current during the starting of compressor. (A)
RLA	: Rated Load Amps (A)
OFM	: Outdoor Fan Motor (A)
IFM	: Indoor Fan Motor
FLA	: Full Load Amps
kW	: Fan Motor Rated Output (kW)

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4 Options

RZQ(S)71-140DV1

Name of option		Kit name			
		RZQ71D7V1B	RZQ100D7V1B	RZQ125D7V1B	RZQ140D7V1B
		RZQS71D7V1B	RZQS100D7V1B	RZQS125D7V1B	RZQS140D7V1B
		-	RZQ100B8W1B	RZQ125B8W1B	RZQ140B8W1B
Central drain plug		EKDK04			
Refrigerant branch piping	Twin	KHRQ22M20TA (KHRQ58T): see note			
	Triple	-	KHRQ127H (KHRQ58H): see note		
	Double-twin	-	-	KHRQ22M20TA (KHRQ58T): see note (3x)	
Demand adapter kit		KRP58M51			

NOTE

1 For RZQ100-140B8W1B in combination with FCQ35-71C, FCQH71C or FCQH71D use the refrigerant branch piping mentioned between brackets.

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5 Capacity tables

5 - 1 Combination table

RZQ(S)71-140DV1

Multi Combination Possibilities:

P = Pair	71	100	125	140
2 = Twin	35+35	50+50	60+60	71+71
3 = Triple		35+35+35	50+50+50 (*)	50+50+50 (*)
4 = Double Twin			35+35+35+35 (*)	35+35+35+35

(*) Max capacity depend on outdoor unit

Sky-air		HH Cassette				Thin cassette							2x2 cassette			New Duct (medium ESP)							Ceiling suspended						4way ceiling			Wall mounted		High ESP Duct	Floor standing		
Model name		FCQH71D7VEB	FCQH100D7VEB	FCQH125D7VEB	FCQH140D7VEB	FCQ35C7VEB	FCQ50C7VEB	FCQ60C7VEB	FCQ71C7VEB	FCQ100C7VEB	FCQ125C7VEB	FCQ140C7VEB	FFQ35B8V1B	FFQ50B8V1B	FFQ60B8V1B	FBQ35C7VEB	FBQ50C7VEB	FBQ60C7VEB	FBQ71C7VEB	FBQ100C7VEB	FBQ125C7VEB	FBQ140C7VEB	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FUQ71BVV1B	FUQ100BVV1B	FUQ125BVV1B	FAQ71BVV1B	FAQ100BVV1B	FDQ125B8V3B9	FVQ71BV1B	FVQ100BV1B	FVQ125BV1B
RZQ71D7V1B	-	P				2			P				2			2			P				2			P			P			P				
RZQ100D7V1B	RZQ100B8W1B		P			3	2			P			3	2		3	2			P			3	2			P			P			P			
RZQ125D7V1B	RZQ125B8W1B			P		4	3	2			P		4	3	2	4	3	2			P		4	3	2			P			P			P		
RZQ140D7V1B	RZQ140B8W1B	2			P	4	3		2			P	4	3		4	3		2			P	4	3		2			2			2				

Sky-air	HH Cassette				Thin cassette							2x2 cassette			New Duct (medium ESP)							Ceiling suspended						4way ceiling			Wall mounted		High ESP Duct	Floor standing		
Model name	FCQH71D7VEB	FCQH100D7VEB	FCQH125D7VEB	FCQH140D7VEB	FCQ35C7VEB	FCQ50C7VEB	FCQ60C7VEB	FCQ71C7VEB	FCQ100C7VEB	FCQ125C7VEB	FCQ140C7VEB	FFQ35B8V1B	FFQ50B8V1B	FFQ60B8V1B	FBQ35C7VEB	FBQ50C7VEB	FBQ60C7VEB	FBQ71C7VEB	FBQ100C7VEB	FBQ125C7VEB	FBQ140C7VEB	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FUQ71BVV1B	FUQ100BVV1B	FUQ125BVV1B	FAQ71BVV1B	FAQ100BVV1B	FDQ125B8V3B9	FVQ71BV1B	FVQ100BV1B	FVQ125BV1B
RZQ71D7V1B	P				2			P				2			2			P				2			P						P			P		
RZQ100D7V1B		P			3	2			P			3	2		3	2			P			3	2			P						P			P	
RZQ125D7V1B			P		4	3	2			P		4	3	2	4	3	2			P		4	3	2			P						P			P
RZQ140D7V1B	2			P	4	3		2			P	4	3		4	3		2			P	4	3		2			2			2					

NOTES

1 Individual indoor capacities are not given because the combinations are for simultaneous operation (= indoor units installed in the same room)
2 When different indoor models are used in combination, designate the remote control that is equipped with the most function as the main unit.

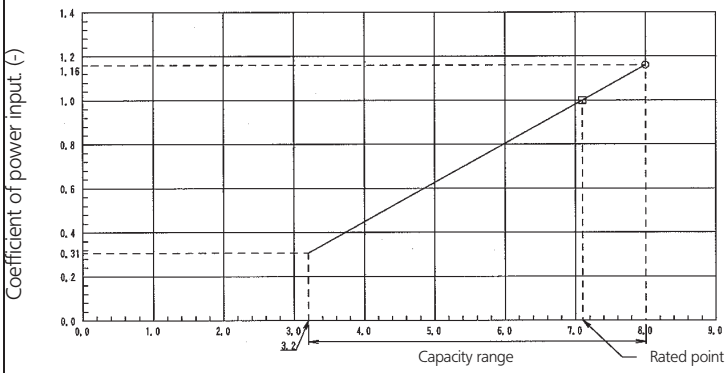
3TW26739-2D

5 Capacity tables

5 - 2 Cooling capacity tables

RZQS71DV1

Cooling



Cooling capacity

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	7.29	4.95	0.88	7.28	4.99	1.03	7.50	5.21	1.15	7.20	5.06	1.26
18.0	25	8.37	5.43	0.96	8.11	5.32	1.06	7.83	5.19	1.16	7.52	5.04	1.28
19.0	27	8.54	5.41	0.97	8.28	5.31	1.06	8.00	5.18	1.16	7.68	5.03	1.28
19.5	27	8.63	5.40	0.97	8.37	5.30	1.06	8.08	5.17	1.16	7.76	5.03	1.28
22.0	30	9.07	5.33	0.99	8.80	5.23	1.07	8.51	5.12	1.17	8.18	4.97	1.29
24.0	32	9.43	5.25	0.99	9.15	5.16	1.08	8.85	5.05	1.18	8.51	4.90	1.30

3DTW3172-2

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
4. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
5. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
6. The value contains less than 5% error acording to indoor unit type.
7. Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH71D	FCQ71C	FBQ71	FHQ71	FAQ71	FVQ71
AFR (BF)	21 (0.17)	15.5 (0.19)	18 (0.08)	17 (0.10)	19 (0.08)	18 (0.16)

(Twin)

Model	FCQ35Cx2	FFQ35x2	FBQ35Cx2	FHQ35x2
AFR (BF)	10.5x2 (0.28x2)	10x2 (0.25x2)	15x2 (0.15x2)	13x2 (0.2x2)

8. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH71D	FCQ71C	FBQ71C	FHQ71	FAQ71	FVQ71
Cooling	2.15	2.28	2.18	2.51	2.44	2.53

(Twin)

Model	FCQ35Cx2	FFQ35x2	FBQ35x2	FHQ35x2
Cooling	2.59	2.61	2.25	2.66

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

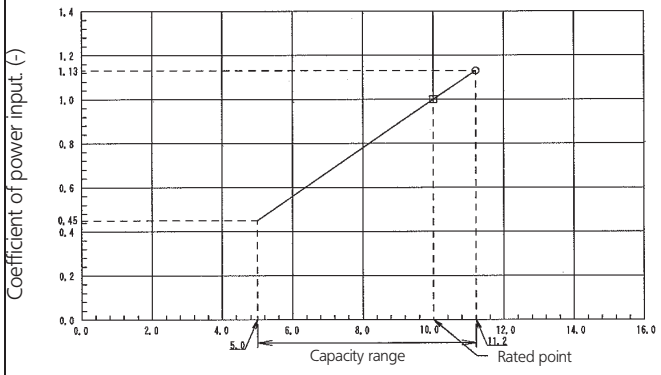
Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 2 Cooling capacity tables

RZQS100DV1

Cooling



Cooling capacity

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	10.2	6.93	0.86	10.2	7.00	1.01	10.5	7.29	1.12	10.1	7.08	1.23
18.0	25	11.8	7.59	0.94	11.3	7.45	1.03	11.0	7.27	1.13	10.5	7.06	1.24
19.0	27	12.0	7.57	0.95	11.6	7.43	1.03	11.2	7.26	1.13	10.8	7.04	1.24
19.5	27	12.1	7.56	0.95	11.8	7.41	1.03	11.3	7.25	1.13	10.9	7.03	1.24
22.0	30	12.7	7.46	0.96	12.3	7.32	1.04	11.9	7.16	1.14	11.4	6.96	1.25
24.0	32	13.2	7.36	0.96	12.8	7.22	1.05	12.4	7.06	1.15	11.9	6.87	1.27

3TW31722-2

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
4. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
5. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
6. The value contains less than 5% error acording to indoor unit type.
7. Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH100D	FCQ100C	FBQ100C	FHQ100	FAQ100	FVQ100
AFR (BF)	34 (0.17)	23.5 (0.16)	32 (0.13)	24 (0.14)	23 (0.10)	28 (0.19)

(Twin)

Model	FCQ50Cx2	FFQ50x2	FBQ50Cx2	FHQ50x2
AFR (BF)	12.5x2 (0.21x2)	12x2 (0.16x2)	16x2 (0.16x2)	13x2 (0.1x2)

(Triple)

Model	FCQ35Cx3	FFQ35x3	FBQ35Cx3	FHQ35x3
AFR (BF)	10.5x3 (0.28x3)	10x3 (0.25x3)	16x3 (0.15x3)	13x3 (0.2x3)

8. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH100D	FCQ100C	FBQ100C	FHQ100	FAQ100	FVQ100
Cooling	2.90	3.22	3.03	3.56	3.56	3.56

(Twin)

Model	FCQ35Cx2	FFQ35x2	FBQ35x2	FHQ35x2
Cooling	3.58	3.58	3.16	3.90

(Triple)

Model	FCQ35Cx3	FFQ35x3	FBQ35x3	FHQ35x3
Cooling	3.58	3.58	3.16	3.90

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

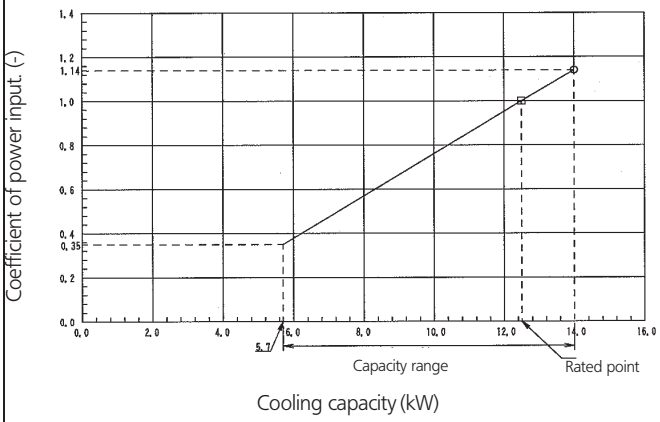
Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 2 Cooling capacity tables

RZQS125DV1

Cooling



Cooling capacity

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	12.8	8.66	0.87	12.8	8.75	1.01	13.1	9.12	1.13	12.7	8.85	1.24
18.0	25	14.7	9.50	0.95	14.2	9.32	1.04	13.7	9.09	1.14	13.2	8.83	1.25
19.0	27	14.9	9.46	0.96	14.4	9.28	1.04	14.0	9.06	1.14	13.4	8.80	1.25
19.5	27	15.1	9.45	0.96	14.7	9.27	1.04	14.1	9.05	1.14	13.6	8.79	1.25
22.0	30	15.9	9.33	0.97	15.5	9.16	1.05	14.9	8.95	1.15	14.3	8.69	1.27
24.0	32	16.5	9.20	0.97	16.0	9.03	1.06	15.5	8.83	1.16	14.9	8.59	1.28

3TW31732-2

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
4. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
5. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
6. The value contains less than 5% error acording to indoor unit type.
7. Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH125D	FCQ125C	FBQ125C	FHQ125	FDQ125	FVQ125
AFR (BF)	34 (0.19)	27.5 (0.19)	39 (0.16)	30 (0.13)	45 (0.25)	32 (0.16)

(Twin)

Model	FCQ60Cx2	FFQ60x2	FBQ60Cx2	FHQ60x2
AFR (BF)	13.5x2 (0.21x2)	15x2 (0.11x2)	18x2 (0.15x2)	17x2 (0.2x2)

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50Cx3	FHQ50x3
AFR (BF)	12.5x3 (0.21x3)	12x3 (0.16x3)	16x3 (0.16x3)	13x3 (0.1x3)

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35Cx4	FHQ35x4
AFR (BF)	10.5x4 (0.28x4)	10x4 (0.25x4)	16x4 (0.15x4)	13x4 (0.2x4)

8. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH125D	FCQ125C	FBQ125C	FHQ125	FDQ125	FVQ125
Cooling	3.88	4.02	3.98	4.55	4.45	4.30

(Twin)

Model	FCQ60Cx2	FFQ60x2	FBQ60x2	FHQ60x2
Cooling	4.17	4.22	4.18	4.57

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	4.17	4.22	4.18	4.57

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.17	4.22	4.18	4.57

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

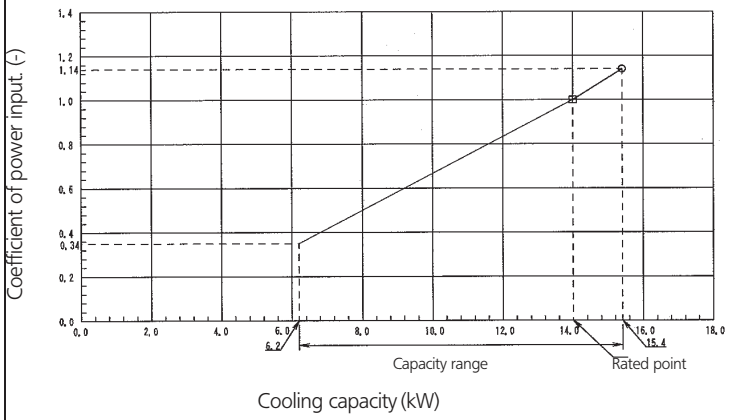
Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 2 Cooling capacity tables

RZQS140DV1

Cooling



Cooling capacity

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	14.1	9.53	0.87	14.0	9.61	1.01	14.4	10.0	1.13	13.9	9.72	1.24
18.0	25	16.1	10.5	0.95	15.6	10.2	1.04	15.1	10.0	1.14	14.5	9.70	1.25
19.0	27	16.5	10.4	0.96	16.0	10.2	1.04	15.4	9.98	1.14	14.7	9.68	1.25
19.5	27	16.6	10.4	0.96	16.2	10.2	1.04	15.5	9.96	1.14	15.0	9.67	1.25
22.0	30	17.5	10.3	0.97	16.9	10.1	1.05	16.4	9.85	1.15	15.7	9.56	1.27
24.0	32	18.2	10.1	0.97	17.6	9.93	1.06	17.1	9.71	1.16	16.4	9.45	1.28

3TW31742-2

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
4. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
5. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
6. The value contains less than 5% error acording to indoor unit type.
7. Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH140D	FCQ140C
AFR	34	27.5
(BF)	(0.20)	(0.22)

(Twin)

Model	FCQH71Dx2	FCQ71Cx2	FBQ71Cx2	FHQ71x2	FAQ71x2
AFR	21x2	15.5x2	18x2	17x2	19x2
(BF)	(0.17x2)	(0.19x2)	(0.08x2)	(0.1x2)	(0.08x2)

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50Cx3	FHQ50x3
AFR	12.5x3	12x3	16x3	13x3
(BF)	(0.21x3)	(0.16x3)	(0.15x3)	(0.1x3)

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35Cx4	FHQ35x4
AFR	10.5x4	10x4	16x4	13x4
(BF)	(0.28x4)	(0.25x4)	(0.15x4)	(0.2x4)

8. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH140D	FCQ140C
Cooling	4.65	5.36

(Twin)

Model	FCQH71Dx2	FCQ71Cx2	FBQ71Cx2	FHQ71x2	FAQ71x2
Cooling	4.99	5.12	4.95	5.10	5.01

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	5.12	4.89	4.95	5.10

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	5.12	4.89	4.95	5.10

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

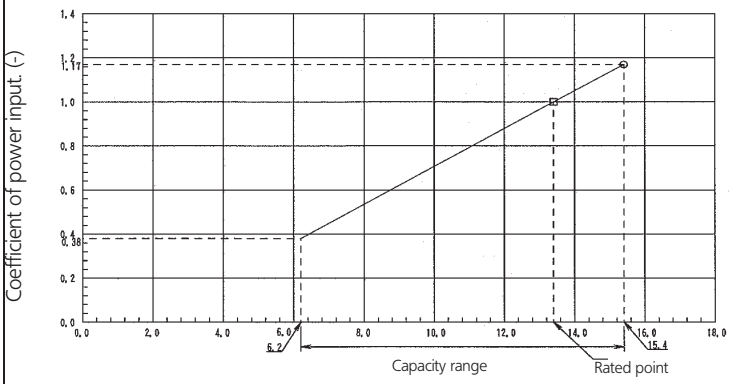
Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 2 Cooling capacity tables

RZQS140DV1

Cooling



Cooling capacity

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	14.1	9.53	0.89	14.0	9.61	1.04	14.4	10.0	1.16	13.9	9.72	1.28
18.0	25	16.1	10.5	0.97	15.6	10.2	1.06	15.1	10.0	1.17	14.5	9.70	1.29
19.0	27	16.5	10.4	0.98	16.0	10.2	1.06	15.4	9.98	1.17	14.7	9.68	1.29
19.5	27	16.6	10.4	0.98	16.2	10.2	1.06	15.5	9.96	1.17	15.0	9.67	1.29
22.0	30	17.5	10.3	0.99	16.9	10.1	1.08	16.4	9.85	1.18	15.7	9.56	1.30
24.0	32	18.2	10.1	0.99	17.6	9.93	1.09	17.1	9.71	1.19	16.4	9.45	1.31

3TW31742-3

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
4. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7°CDB/6°CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
5. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
6. The value contains less than 5% error acording to indoor unit type.
7. Air flow rate and BF are tabulated below.

(Pair)

Model	FBQ140C
AFR	39
(BF)	(0.14)

8. Rated power input of each model is tabulated below.

(Pair)

Model	FBQ140C
Cooling	4.77

SYMBOLS

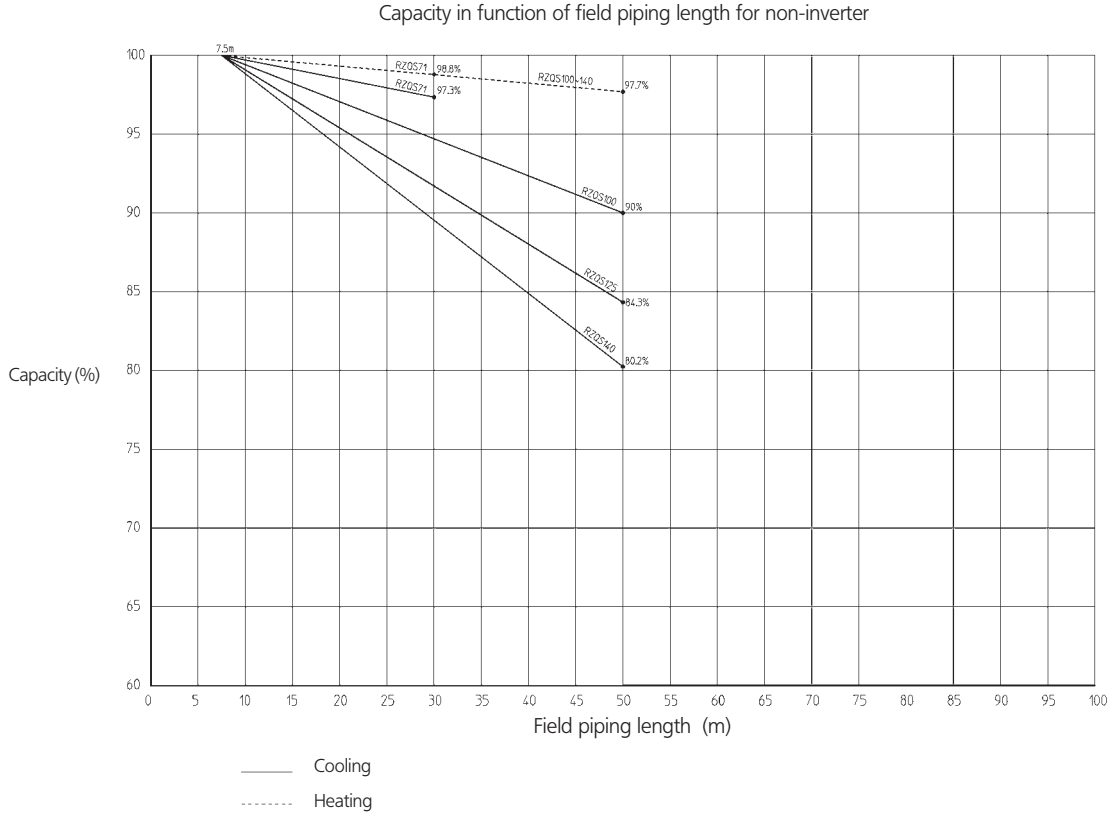
AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 2 Cooling capacity tables

RZQS71-140DV1

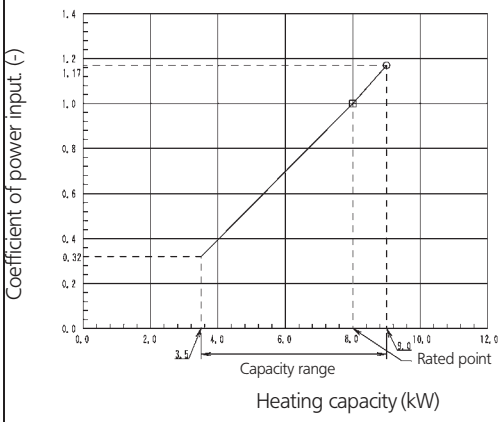


5 Capacity tables

5 - 3 Heating capacity tables

RZQS71DV1

Heating



Heating capacity

Indoor EDB (°C)	Outdoor temp. (°CDB) -15 TC (kW)	-15 CPI (-)	-10 TC (kW)	-10 CPI (-)	-5 TC (kW)	-5 CPI (-)	0 TC (kW)	0 CPI (-)	6 TC (kW)	6 CPI (-)	10 TC (-)	10 CPI (-)
16.0	5.14	0.89	5.68	0.94	6.22	0.98	6.75	1.03	9.02	1.08	9.72	1.13
18.0	5.14	0.92	5.67	0.97	6.21	1.02	6.74	1.07	9.01	1.12	9.70	1.18
20.0	5.13	0.96	5.67	1.01	6.20	1.06	6.73	1.11	9.00	1.17	9.69	1.23
21.0	5.13	0.98	5.66	1.03	6.20	1.08	6.73	1.13	9.00	1.19	9.69	1.25
22.0	5.12	0.99	5.66	1.04	6.19	1.10	6.73	1.15	8.99	1.22	9.68	1.28
24.0	5.12	1.03	5.65	1.09	6.19	1.14	6.72	1.20	8.98	1.26	9.66	1.32

3TW31712-2

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. On the tables ▭ show rated capacity and rated coefficient of power input.
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1−BF) x (DB*−EDB)
   Add SHC* to SHC.
5. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7°CDB/6°CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
6. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
7. The value contains less than 5% error acording to indoor unit type.
8. Heating capacity include the drop of frost formation.
9. Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH71C	FCQ71C	FBQ71	FHQ71	FAQ71	FVQ71
AFR (BF)	21 (0.17)	15.5 (0.19)	18 (0.08)	17 (0.10)	19 (0.08)	18 (0.16)

(Twin)

Model	FCQ35Cx2	FFQ35x2	FBQ35Cx2	FHQ35x2
AFR (BF)	10.5x2 (0.28x2)	10x2 (0.25x2)	16x2 (0.15x2)	13x2 (0.2x2)

10. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH71D	FCQ71C	FBQ71	FHQ71	FAQ71	FVQ71
Heating	2.16	2.35	2.25	2.75	2.49	2.49

(Twin)

Model	FCQ35Cx2	FFQ35x2	FBQ35Cx2	FHQ35x2
Heating	2.75	2.70	2.20	2.85

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

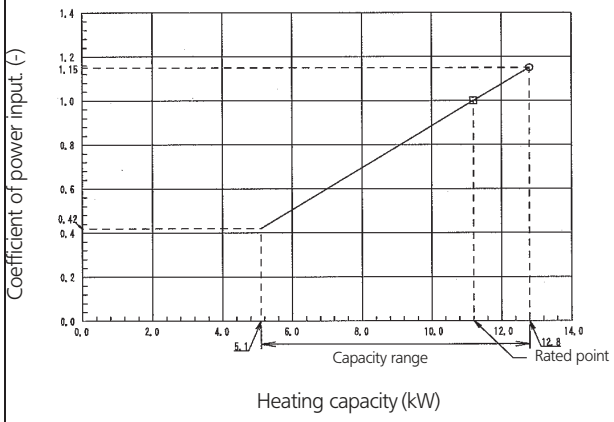
Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 3 Heating capacity tables

RZQS100DV1

Heating



Heating capacity

Indoor	Outdoor temp. (°CDB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (-)	CPI (-)
16.0	7.16	0.87	7.91	0.92	8.66	0.96	9.41	1.01	12.8	1.06	13.8	1.12
18.0	7.15	0.90	7.90	0.95	8.65	1.00	9.39	1.05	12.8	1.10	13.8	1.16
20.0	7.15	0.94	7.89	0.99	8.64	1.04	9.38	1.09	12.8	1.15	13.8	1.21
21.0	7.14	0.96	7.89	1.01	8.63	1.06	9.38	1.11	12.8	1.17	13.8	1.23
22.0	7.14	0.98	7.88	1.03	8.63	1.08	9.37	1.14	12.8	1.20	13.7	1.25
24.0	7.13	1.02	7.87	1.07	8.62	1.12	9.36	1.17	12.8	1.24	13.7	1.30

3TW31722-2

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. On the tables ▭ show rated capacity and rated coefficient of power input.
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
5. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
6. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
7. The value contains less than 5% error acording to indoor unit type.
8. Heating capacity include the drop of frost formation.
9. Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH100D	FCQ100C	FBQ100C	FHQ100	FAQ100	FVQ100
AFR (BF)	34 (0.17)	23.5 (0.16)	32 (0.13)	24 (0.14)	23 (0.10)	28 (0.19)

(Twin)

Model	FCQ35Cx2	FFQ35x2	FBQ35Cx2	FHQ35x2
AFR (BF)	12.5x2 (0.21x2)	12x2 (0.16x2)	16x2 (0.16x2)	13x2 (0.1x2)

(Triple)

Model	FCQ35Cx3	FFQ35x3	FBQ35Cx3	FHQ35x3
AFR (BF)	10.5x3 (0.28x3)	10x3 (0.25x3)	16x3 (0.15x3)	13x3 (0.2x3)

10. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH100D	FCQ100C	FBQ100C	FHQ100	FAQ100	FVQ100
Heating	2.95	3.28	3.07	3.85	3.49	3.49

(Twin)

Model	FCQ35Cx2	FFQ35x2	FBQ35x2	FHQ35x2
Heating	3.55	3.44	3.15	3.89

(Triple)

Model	FCQ35Cx3	FFQ35x3	FBQ35x3	FHQ35x3
Heating	3.55	3.44	3.15	3.89

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

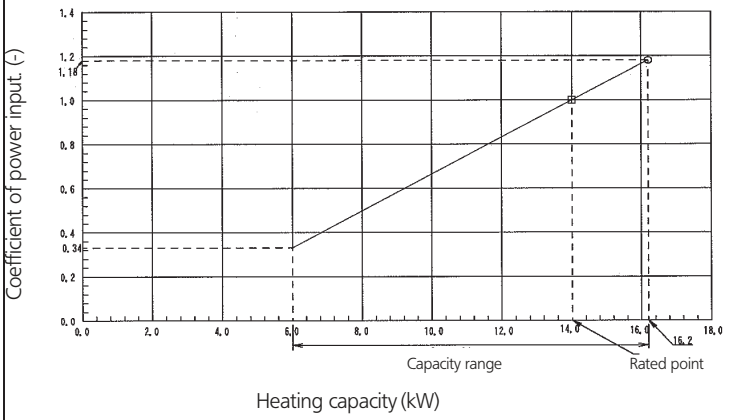
Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 3 Heating capacity tables

RZQS125DV1

Heating



Heating capacity

Indoor EDB (°C)	Outdoor temp. (°CDB) -15 TC (kW)	-15 CPI (-)	-10 TC (kW)	-10 CPI (-)	-5 TC (kW)	-5 CPI (-)	0 TC (kW)	0 CPI (-)	6 TC (kW)	6 CPI (-)	10 TC (-)	10 CPI (-)
16.0	8.83	0.89	9.76	0.94	10.7	0.99	11.6	1.04	16.2	1.09	17.5	1.14
18.0	8.82	0.93	9.74	0.98	10.7	1.03	11.6	1.08	16.2	1.13	17.5	1.19
20.0	8.81	0.97	9.73	1.02	10.7	1.07	11.6	1.12	16.2	1.18	17.5	1.24
21.0	8.81	0.99	9.73	1.04	10.6	1.09	11.6	1.14	16.2	1.20	17.5	1.26
22.0	8.80	1.00	9.72	1.05	10.6	1.11	11.6	1.16	16.2	1.23	17.5	1.29
24.0	8.79	1.04	9.71	1.10	10.6	1.15	11.5	1.21	16.2	1.27	17.4	1.33

3TW31732-2

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
4. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7°CDB/6°CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
5. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
6. The value contains less than 5% error acording to indoor unit type.
7. Heating capacity include the drop of frost formation.
8. Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH125D	FCQ125C	FBQ125C	FHQ125	FDQ125	FVQ125
AFR (BF)	34 (0.19)	27.5 (0.19)	39 (0.16)	30 (0.13)	45 (0.25)	32 (0.16)

(Twin)

Model	FCQ60Cx2	FFQ60x2	FBQ60Cx2	FHQ60x2
AFR (BF)	13.5x2 (0.21x2)	15x2 (0.11x2)	18x2 (0.15x2)	17x2 (0.2x2)

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50Cx3	FHQ50x3
AFR (BF)	12.5x3 (0.21x3)	12x3 (0.16x3)	16x3 (0.16x3)	13x3 (0.1x3)

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35Cx4	FHQ35x4
AFR (BF)	10.5x4 (0.28x4)	10x4 (0.25x4)	16x4 (0.15x4)	13x4 (0.2x4)

9. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH125D	FCQ125C	FBQ125C	FHQ125	FDQ125	FVQ125
Heating	3.79	4.06	4.11	4.86	4.36	3.97

(Twin)

Model	FCQ60Cx2	FFQ60x2	FBQ60x2	FHQ60x2
Heating	4.68	4.34	4.19	4.84

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50x3	FHQ50x3
Heating	4.68	4.34	4.19	4.84

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35x4	FHQ35x4
Heating	4.68	4.34	4.19	4.84

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

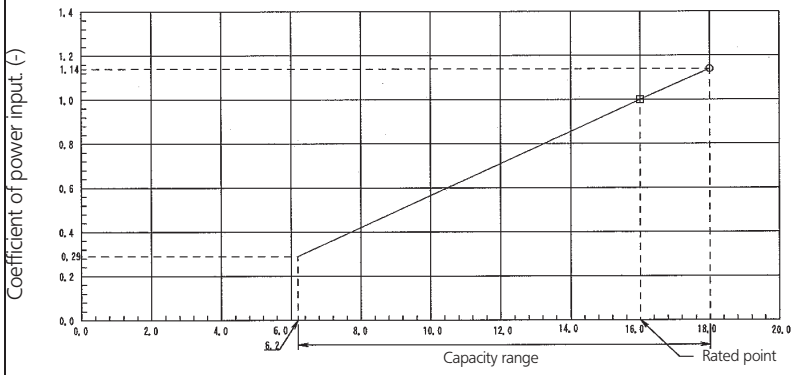
Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 3 Heating capacity tables

RZQS140DV1

Heating



Heating capacity

Indoor EDB (°C)	Outdoor temp. (°CDB) -15 TC (kW)	-15 CPI (-)	-10 TC (kW)	-10 CPI (-)	-5 TC (kW)	-5 CPI (-)	0 TC (kW)	0 CPI (-)	6 TC (kW)	6 CPI (-)	10 TC (-)	10 CPI (-)
16.0	9.82	0.86	10.8	0.91	11.9	0.95	12.9	1.00	18.0	1.05	19.5	1.11
18.0	9.80	0.90	10.8	0.94	11.8	0.99	12.9	1.04	18.0	1.09	19.4	1.15
20.0	9.79	0.94	10.8	0.98	11.8	1.03	12.9	1.08	18.0	1.14	19.4	1.20
21.0	9.79	0.95	10.8	1.00	11.8	1.05	12.8	1.10	18.0	1.16	19.4	1.22
22.0	9.78	0.97	10.8	1.02	11.8	1.07	12.8	1.12	18.0	1.19	19.4	1.24
24.0	9.77	1.00	10.8	1.06	11.8	1.11	12.8	1.17	18.0	1.23	19.4	1.29

3TW31742-2

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. On the tables ▭ show rated capacity and rated coefficient of power input.
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
5. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
6. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
7. The value contains less than 5% error acording to indoor unit type.
8. Heating capacity include the drop of frost formation.
9. Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH140D	FCQ140C
AFR	34	27.5
(BF)	(0.20)	(0.22)

(Twin)

Model	FCQH71Dx2	FCQ71Cx2	FBQ71Cx2	FHQ71x2	FAQ71x2
AFR	21x2	15.5x2	18x2	17x2	19x2
(BF)	(0.17x2)	(0.19x2)	(0.08x2)	(0.1x2)	(0.08x2)

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50Cx3	FHQ50x3
AFR	12.5x3	12x3	16x3	13x3
(BF)	(0.21x3)	(0.16x3)	(0.16x3)	(0.1x3)

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35Cx4	FHQ35x4
AFR	10.5x4	10x4	16x4	13x4
(BF)	(0.28x4)	(0.25x4)	(0.15x4)	(0.2x4)

10. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH125D	FCQ125C
Heating	4.69	4.98

(Twin)

Model	FCQH71Dx2	FCQ71Cx2	FBQ71Cx2	FHQ71x2	FAQ71x2
Heating	5.26	5.46	5.06	5.70	5.54

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50x3	FHQ50x3
Heating	5.46	5.61	5.06	5.70

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35x4	FHQ35x4
Heating	5.46	5.61	5.06	5.70

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

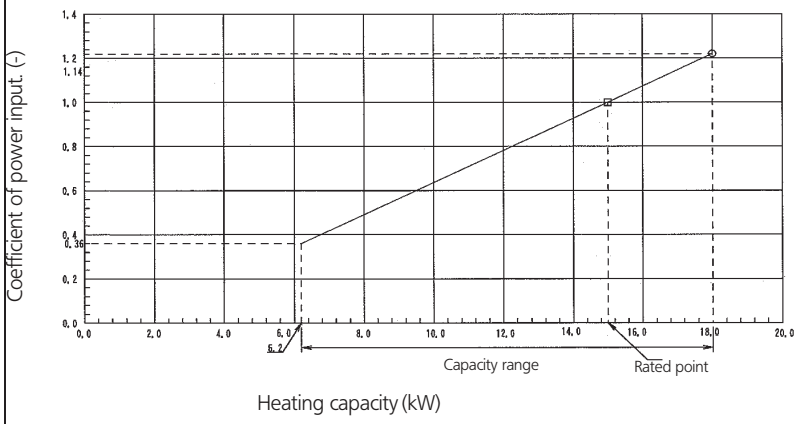
Caution:
TC and SHC are shown by kW

5 Capacity tables

5 - 3 Heating capacity tables

RZQS140DV1

Heating



Heating capacity

Indoor EDB (°C)	Outdoor temp. (°CDB) -15 TC (kW)	-15 CPI (-)	-10 TC (kW)	-10 CPI (-)	-5 TC (kW)	-5 CPI (-)	0 TC (kW)	0 CPI (-)	6 TC (kW)	6 CPI (-)	10 TC (-)	10 CPI (-)
16.0	9.82	0.92	10.8	0.97	11.9	1.02	12.9	1.07	18.0	1.12	19.5	1.18
18.0	9.80	0.97	10.8	1.01	11.8	1.06	12.9	1.12	18.0	1.17	19.4	1.23
20.0	9.79	1.00	10.8	1.05	11.8	1.11	12.9	1.16	18.0	1.22	19.4	1.28
21.0	9.79	1.02	10.8	1.07	11.8	1.12	12.8	1.18	18.0	1.24	19.4	1.31
22.0	9.78	1.04	10.8	1.09	11.8	1.15	12.8	1.20	18.0	1.27	19.4	1.33
24.0	9.77	1.07	10.8	1.13	11.8	1.19	12.8	1.25	18.0	1.32	19.4	1.38

3TW31742-3

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ◯ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. On the tables ▭ show rated capacity and rated coefficient of power input.
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1−BF) x (DB*−EDB)
   Add SHC* to SHC.
5. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7°CDB/6°CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
6. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
7. The value contains less than 5% error acording to indoor unit type.
8. Heating capacity include the drop of frost formation.
9. Air flow rate and BF are tabulated below.

(Pair)

Model	FBQ140C
AFR (BF)	41 (0.14)

10. Rated power input of each model is tabulated below.

(Pair)

Model	FBQ140C
Heating	4.67

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

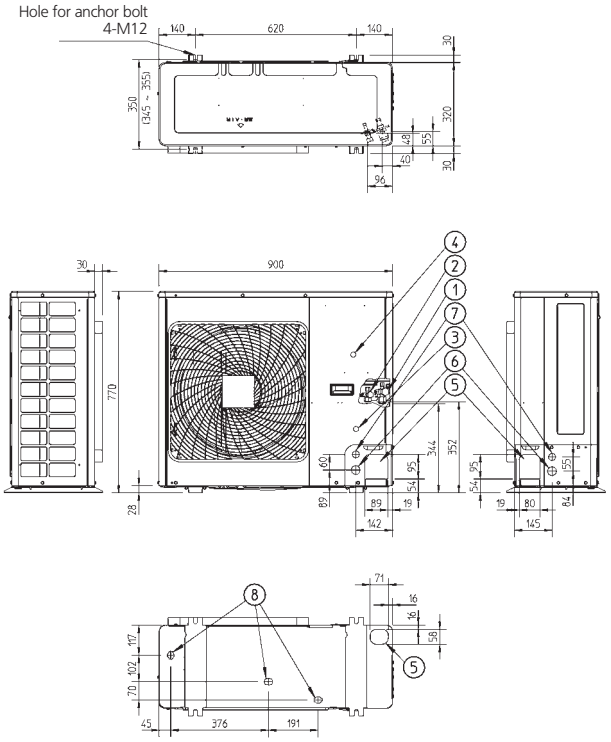
Caution:
TC and SHC are shown by kW

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

RZQS71DV1

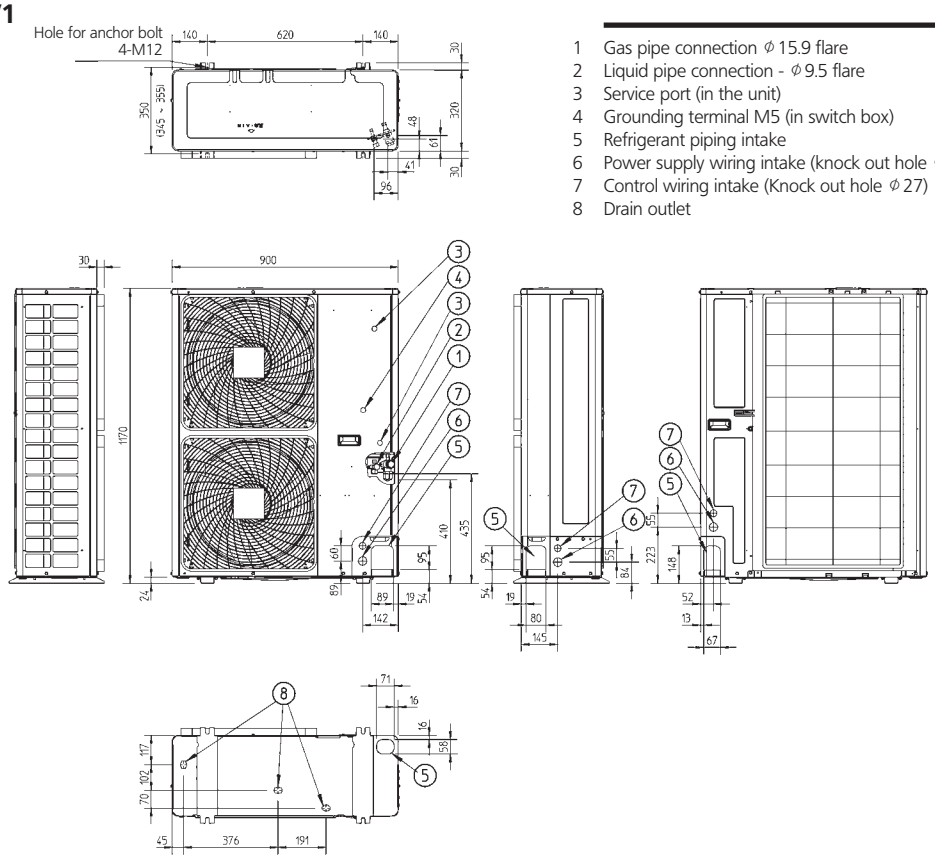
unit (mm)



1 Gas pipe connection ⌀15.9 flare
2 Liquid pipe connection - ⌀9.5 flare
3 Service port (in the unit)
4 Grounding terminal M5 (in switch box)
5 Refrigerant piping intake
6 Power supply wiring intake (knock out hole ⌀34)
7 Control wiring intake (Knock out hole ⌀27)
8 Drain outlet

3TW25144-1A

RZQS100-125-140DV1



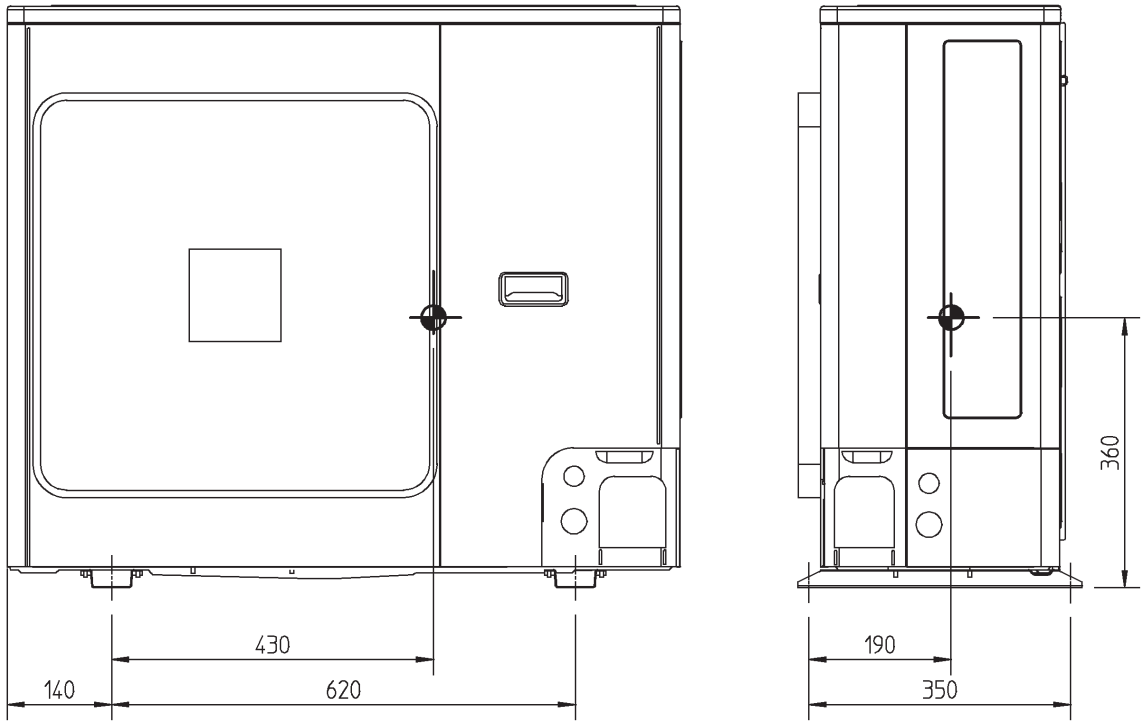
1 Gas pipe connection ⌀15.9 flare
2 Liquid pipe connection - ⌀9.5 flare
3 Service port (in the unit)
4 Grounding terminal M5 (in switch box)
5 Refrigerant piping intake
6 Power supply wiring intake (knock out hole ⌀34)
7 Control wiring intake (Knock out hole ⌀27)
8 Drain outlet

3TW26364-1

6 Dimensional drawing & centre of gravity

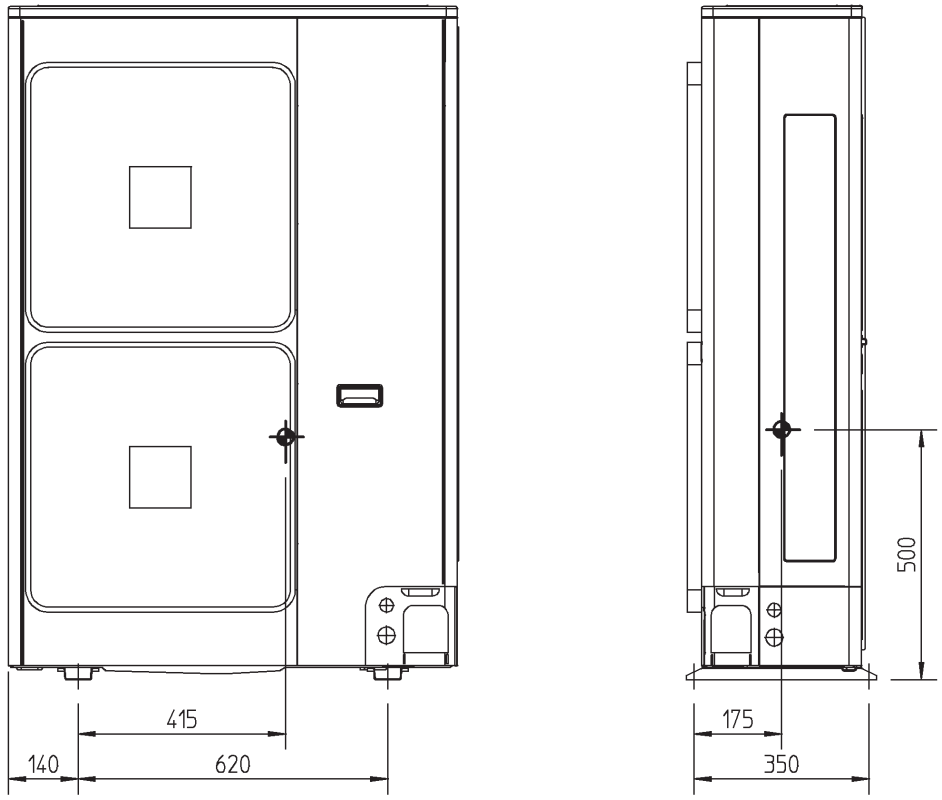
6 - 2 Centre of gravity

RZQS71DV1



4TW30469-3

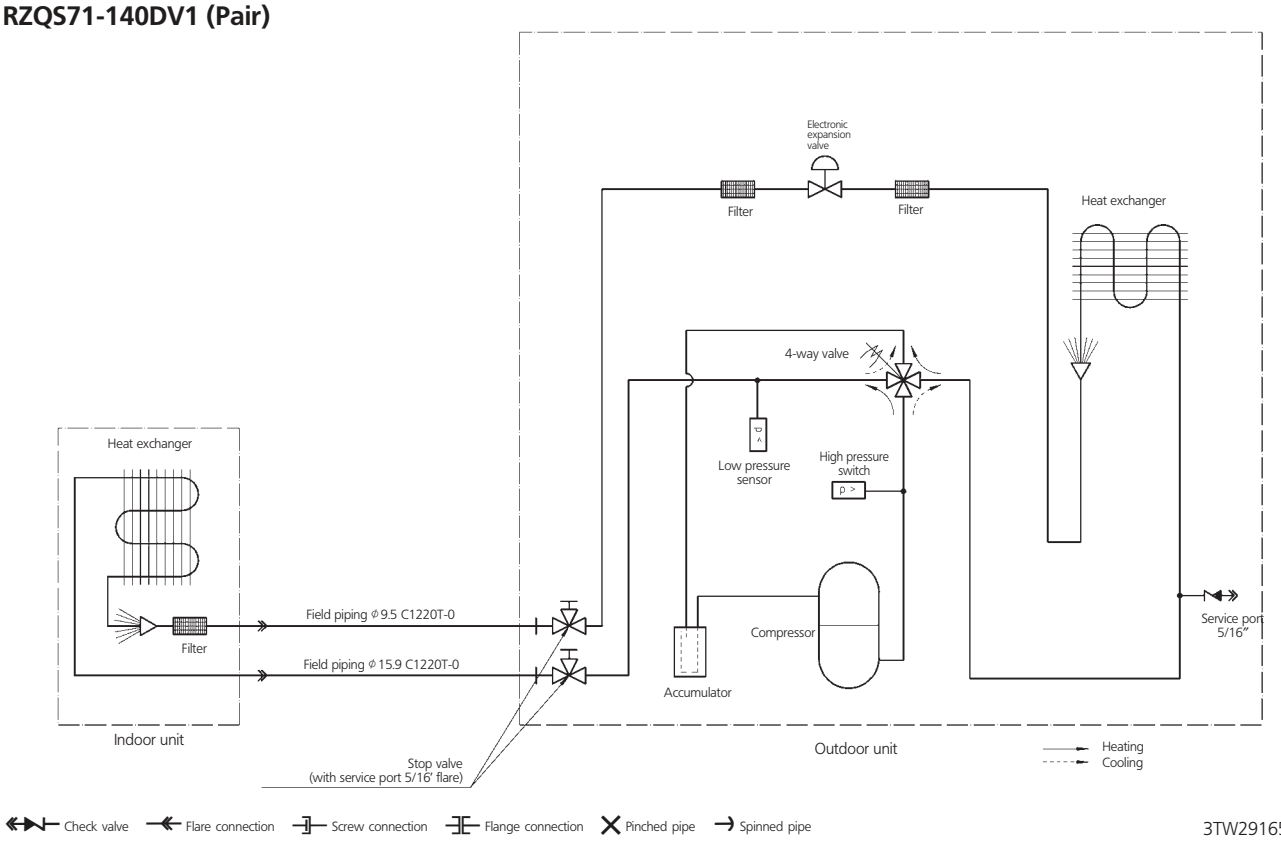
RZQS100,125,140DV1



4TW29169-4

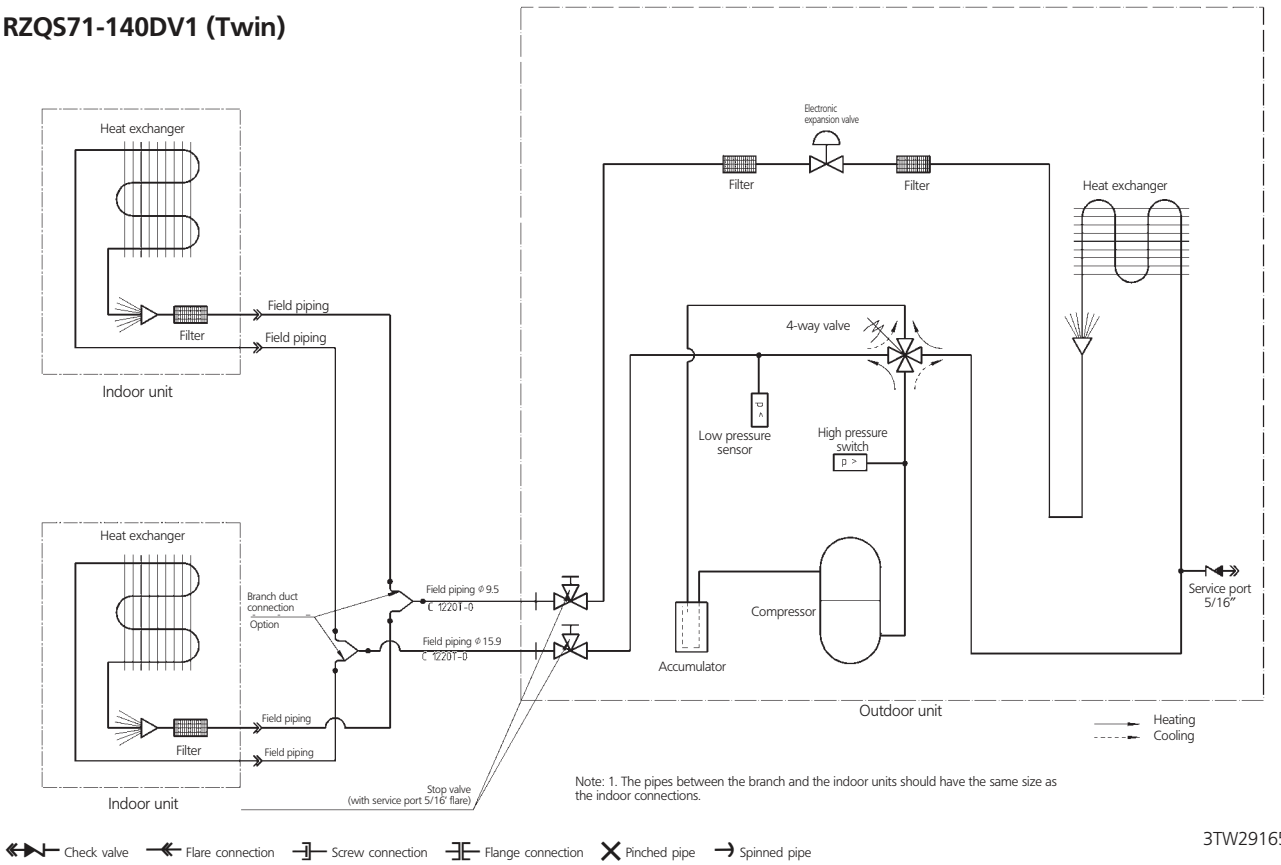
7 Piping diagram

RZQS71-140DV1 (Pair)



3TW29165-1

RZQS71-140DV1 (Twin)

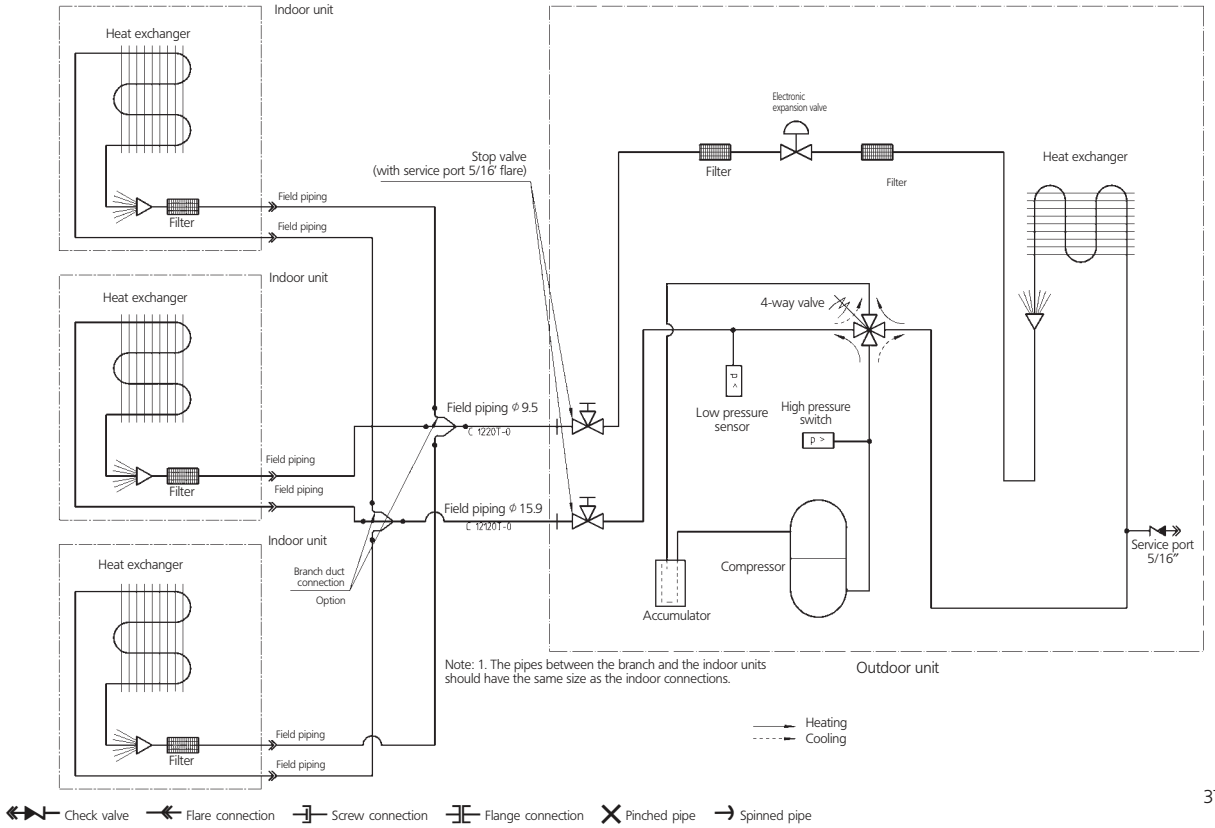


Note: 1. The pipes between the branch and the indoor units should have the same size as the indoor connections.

3TW29165-2

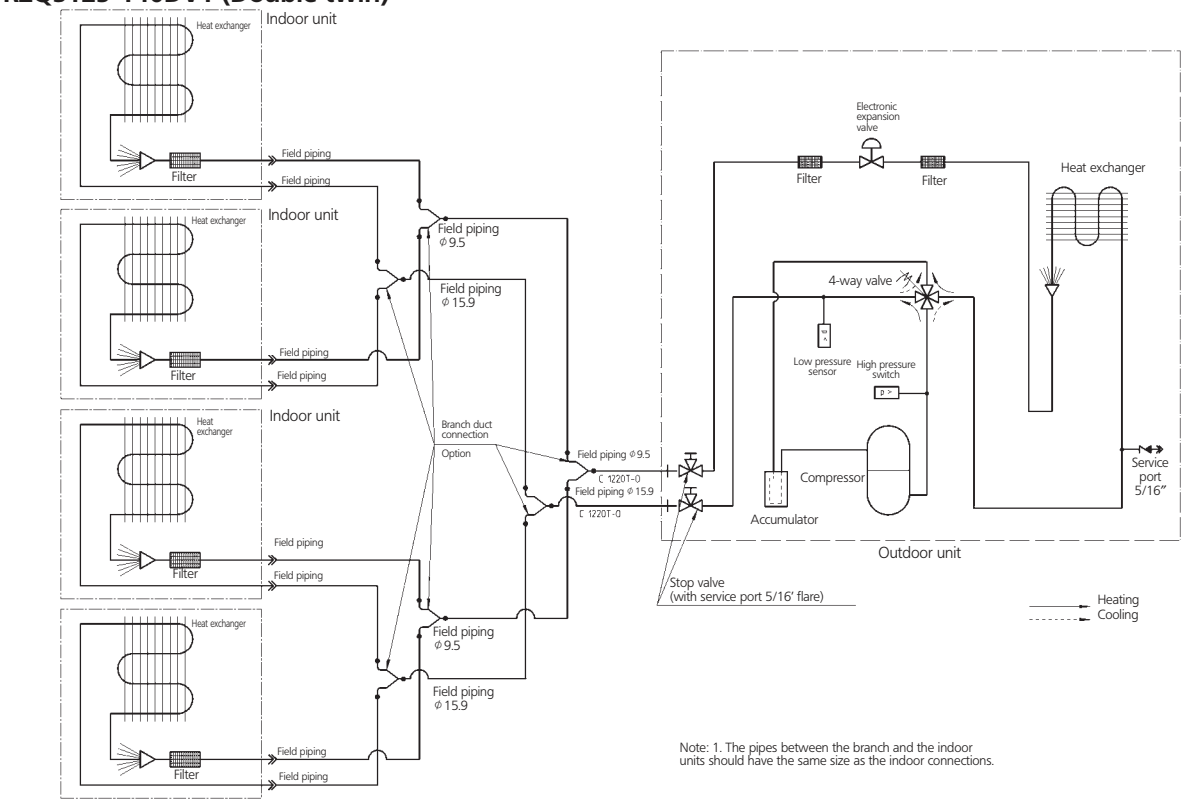
7 Piping diagram

RZQS100,125,140DV1 (Triple)



3TW29165-3

RZQS125-140DV1 (Double twin)

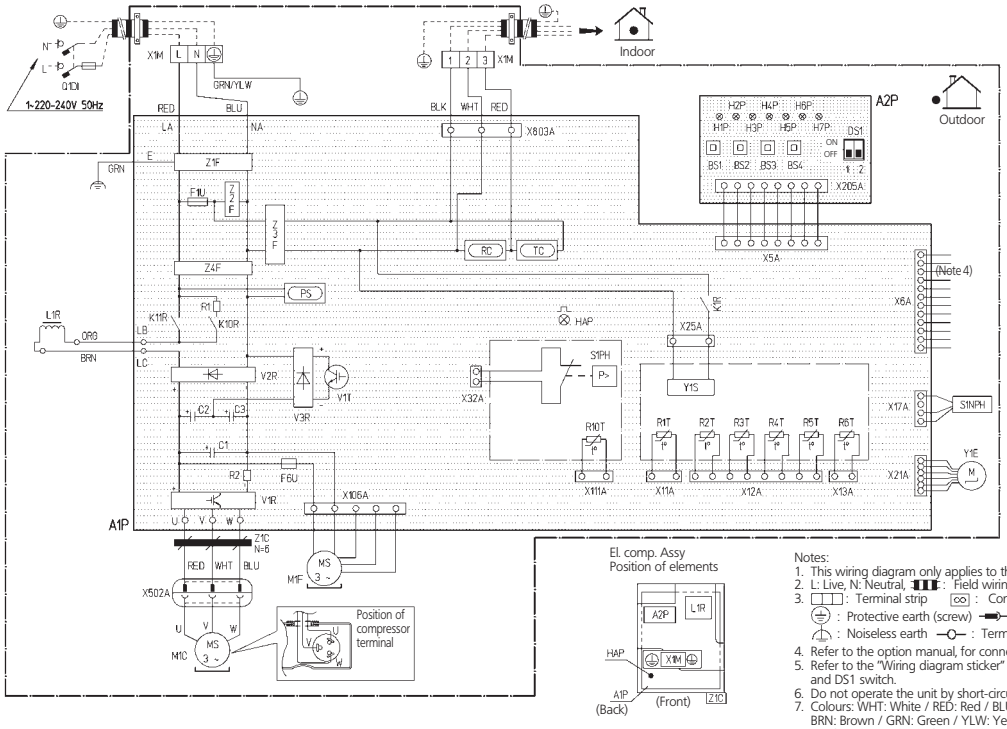


3TW29165-4

8 Wiring diagram

8 - 1 Wiring diagram

RZQS71DV1

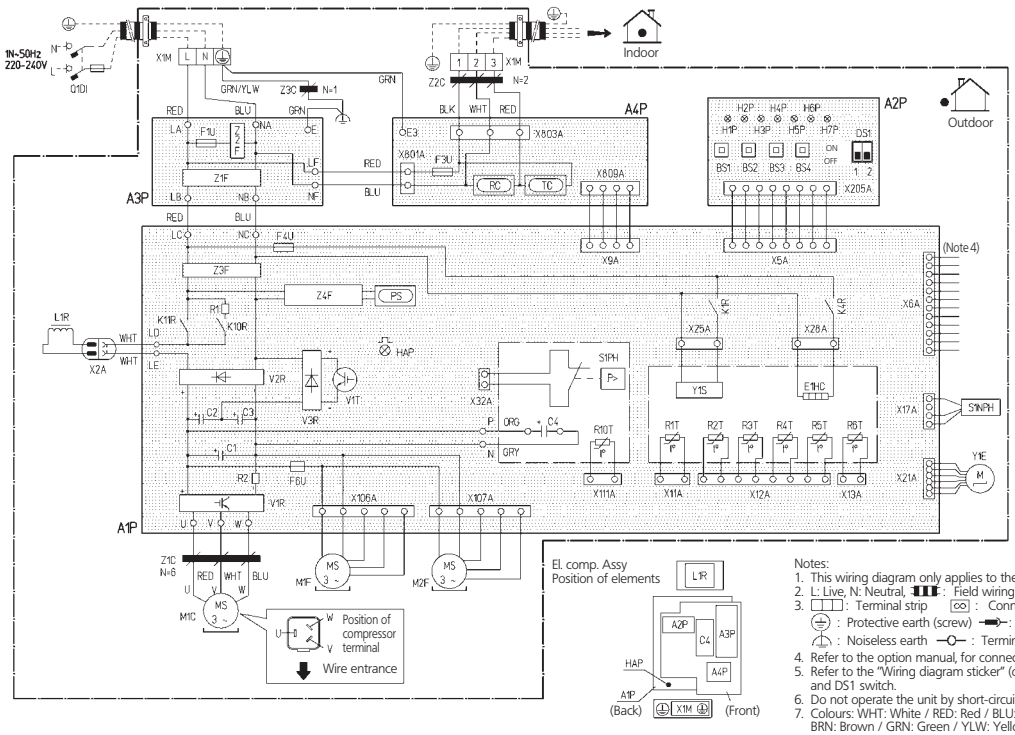


A1P : Printed circuit board (Main)
A2P : Printed circuit board (Inverter)
BS1–BS4 : Push button switch
C1–C3 : Capacitor
DS1 : Dip switch
F1U : Fuse (T 6.3A / 250V)
F6U : Fuse (T 3.15A / 250V)
H1P–7P (A2P) : Light emitting diode (service monitor orange)
HAP (A1P) : Light emitting diode (service monitor green)
K1R : Magnetic relay (Y1S)
K10R : Magnetic relay
K11R : Magnetic relay
L1R : Reactor
M1C : Motor (compressor)
M1F : Motor (fan)
PS : Switching power supply
Q1DI : Field earth leakage breaker (30mA)
R1 : Resistor
R2 : Resistor
R1T : Thermistor (air)
R2T : Thermistor (discharge)
R3T : Thermistor (Suction)
R4T : Thermistor (Heat exchanger)
R5T : Thermistor (Thermistor (heat exchanger middle))
R6T : Thermistor (liquid)
R10T : Thermistor (fin)
RC : Signal receiver circuit
S1NPH : Pressure sensor
S1PH : Pressure switch (High)
TC : Signal transmission circuit
V1R : Power module
V2R,V3R : Diode module
V1T : IGBT
X1M : Terminal strip (Power supply)
Y1E : Electronic expansion valve
Y1S : Solenoid valve (4 way valve)
Z1C : Noise filter (ferrite core)
Z1F–Z4F : Noise filter

Notes:
1. This wiring diagram only applies to the outdoor unit
2. L: Live, N: Neutral, : Field wiring
3. : Terminal strip : Connector : Connection
: Protective earth (screw) : Relay connector
: Noiseless earth : Terminal
4. Refer to the option manual, for connecting wiring to x6A.
5. Refer to the "Wiring diagram sticker" (on back of front plate) on how to use BS1~ BS4 and DS1 switch.
6. Do not operate the unit by short-circuiting protection device S1PH
7. Colours: WHT: White / RED: Red / BLU: Blue / ORG: Orange
BRN: Brown / GRN: Green / YLW: Yellow
8. Confirm the method of setting the selector switches (DS1) by service manual.
Factory setting of all switches: "OFF".

2TW30466-1B

RZQS100-140DV1



A1P : Printed circuit board (Main)
A2P : Printed circuit board (Inverter)
A3P : Printed circuit board (Noise filter)
A4P : Printed circuit board
BS1–BS4 : Push button switch
C1–C4 : Capacitor
DS1 : Dip switch
E1HC : Crankcase heater
F1U, F3U, F4U : Fuse (T 6.3A / 250V)
F6U : Fuse (T 5.0A / 250V)
H1P–7P (A2P) : Light emitting diode (service monitor orange)
(H2P) Prepare, Test ---------- Flickering
Malfunction Detection -- Light up
HAP (A1P) : Light emitting diode (service monitor green)
K1R : Magnetic relay (Y1S)
K4R : Magnetic relay (E1HC)
K10R : Magnetic relay
K11R : Magnetic relay
L1R : Reactor
M1C : Motor (compressor)
M1F : Motor (fan) (upper)
M2F : Motor (fan) (lower)
PS : Switching power supply
Q1DI : Field earth leakage breaker (30mA)
R1 : Resistor
R2 : Resistor
R1T : Thermistor (air)
R2T : Thermistor (discharge)
R3T : Thermistor (Suction)
R4T : Thermistor (Heat exchanger)
R5T : Thermistor (Thermistor (heat exchanger middle))
R6T : Thermistor (liquid)
R10T : Thermistor (fin)
RC : Signal receiver circuit
S1NPH : Pressure sensor
S1PH : Pressure switch (High)
TC : Signal transmission circuit
V1R : Power module
V2R,V3R : Diode module
V1T : IGBT
X1M : Terminal strip (Power supply)
Y1E : Electronic expansion valve
Y1S : Solenoid valve (4 way valve)
Z1C : Noise filter (ferrite core)
Z1F–Z4F : Noise filter

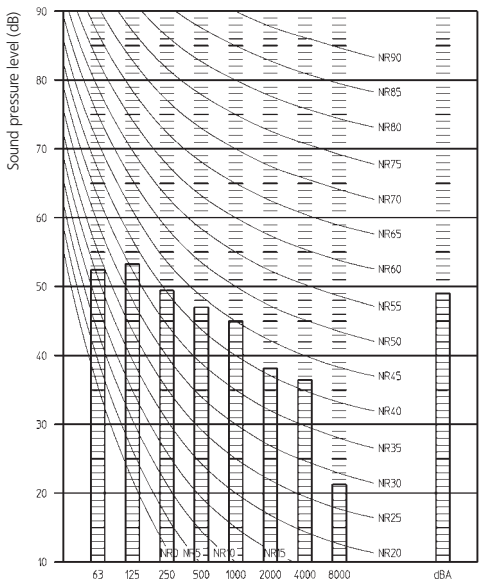
Notes:
1. This wiring diagram only applies to the outdoor unit
2. L: Live, N: Neutral, : Field wiring
3. : Terminal strip : Connector : Connection
: Protective earth (screw) : Relay connector
: Noiseless earth : Terminal
4. Refer to the option manual, for connecting wiring to x6A.
5. Refer to the "Wiring diagram sticker" (on back of front plate) on how to use BS1~ BS4 and DS1 switch.
6. Do not operate the unit by short-circuiting protection device S1PH
7. Colours: WHT: White / RED: Red / BLU: Blue / ORG: Orange
BRN: Brown / GRN: Green / YLW: Yellow
8. Confirm the method of setting the selector switches (DS1) by service manual.
Factory setting of all switches: "OFF".

2TW29166-2

9 Sound data

9 - 1 Sound pressure spectrum

RZQS71DV1 - Cooling



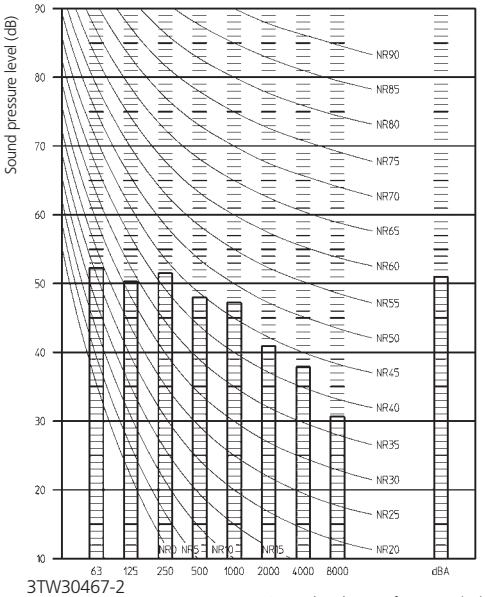
3TW30467-1

NOTES

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



RZQS71DV1 - Heating



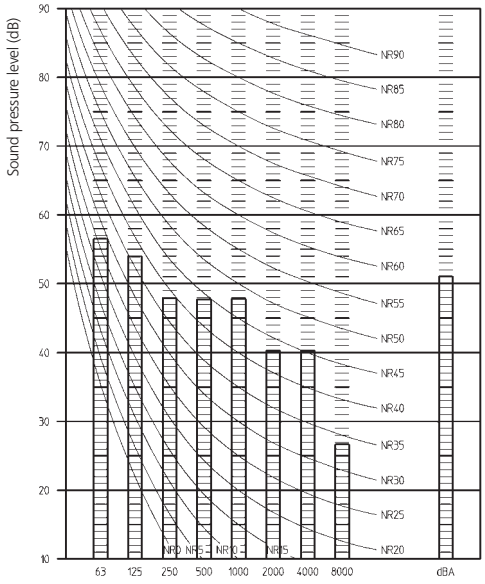
3TW30467-2

NOTES

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



RZQS100DV1 - Cooling



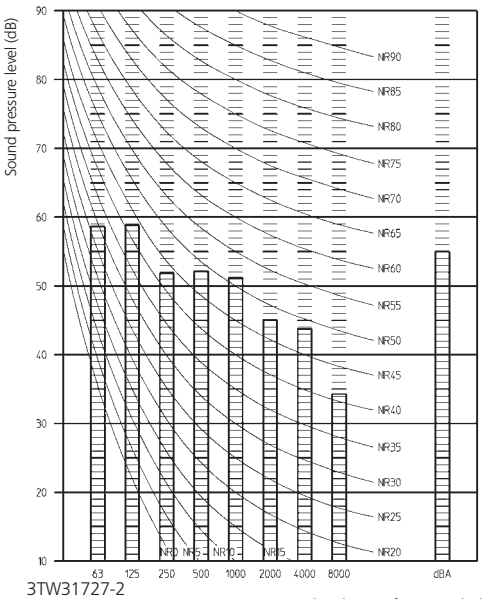
3TW31727-1

NOTES

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



RZQS100DV1 - Heating



3TW31727-2

NOTES

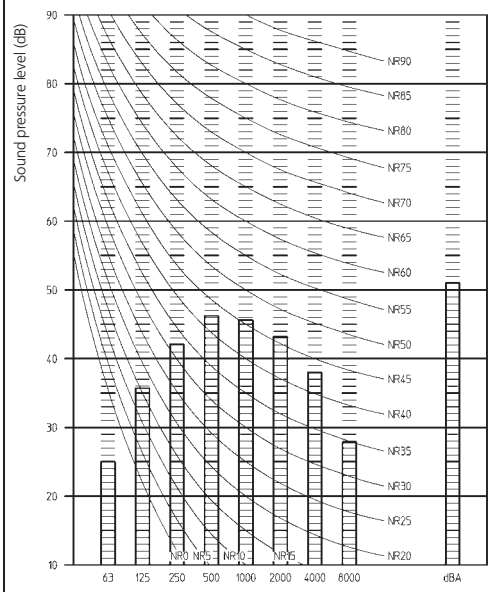
1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



9 Sound data

9 - 1 Sound pressure spectrum

RZQS125DV1 - Cooling



3TW29167-1

Octave band center frequency (Hz)

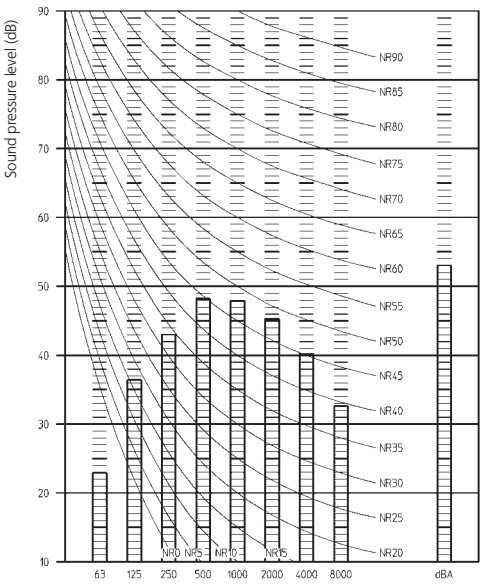
NOTES

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



Measuring location (discharge side)

RZQS125DV1 - Heating



3TW29167-2

Octave band center frequency (Hz)

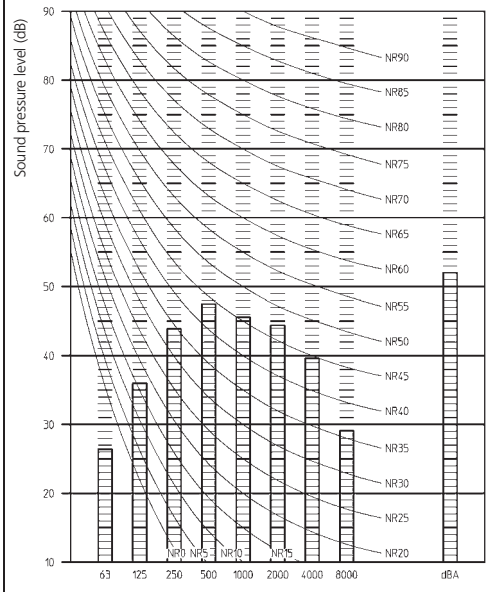
NOTES

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



Measuring location (discharge side)

RZQS140DV1 - Cooling



3TW29177-1

Octave band center frequency (Hz)

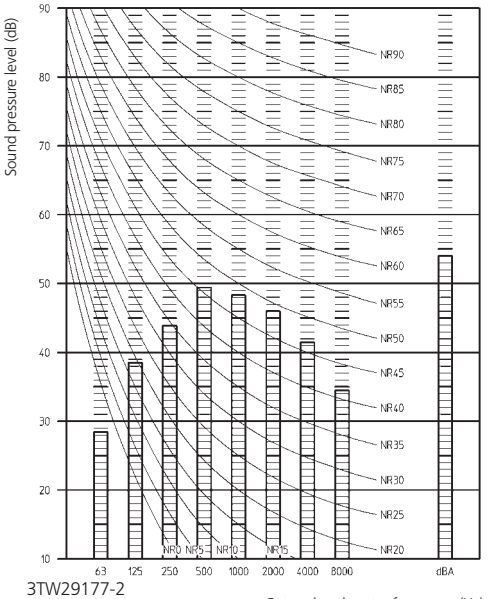
NOTES

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa



Measuring location (discharge side)

RZQS140DV1 - Heating



3TW29177-2

Octave band center frequency (Hz)

NOTES

1 Data is valid at free field condition
2 Data is valid at nominal conditions.
3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
4 Reference acoustic pressure 0dB = 20µPa

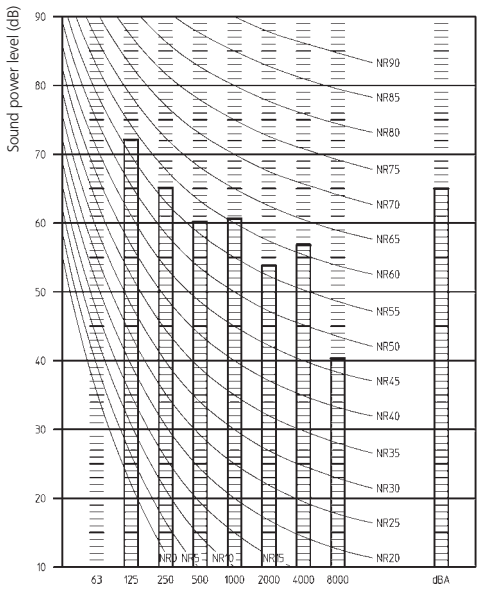


Measuring location (discharge side)

9 Sound data

9 - 2 Sound power spectrum

RZQS71DV1

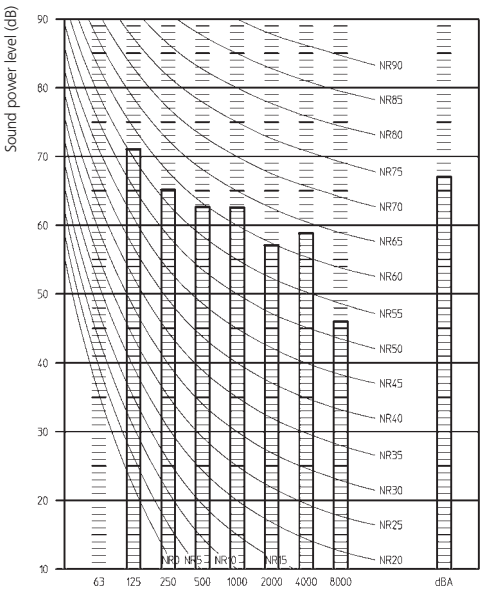


3TW30467-3

NOTES

1 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6μW/m^2
3 Measured according to ISO 3744

RZQS100DV1

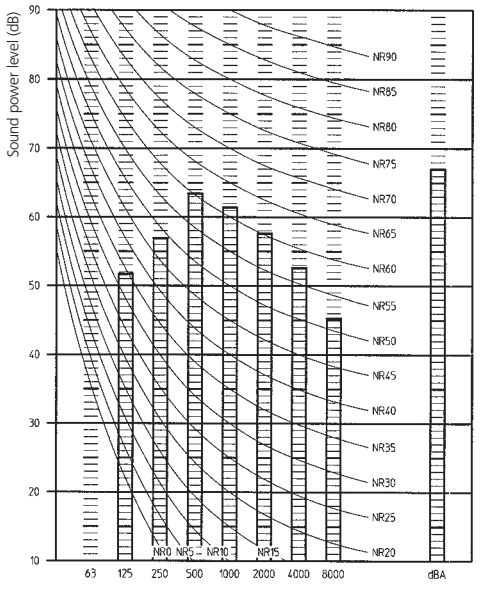


3TW0477-3

NOTES

1 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6μW/m^2
3 Measured according to ISO 3744

RZQS125DV1

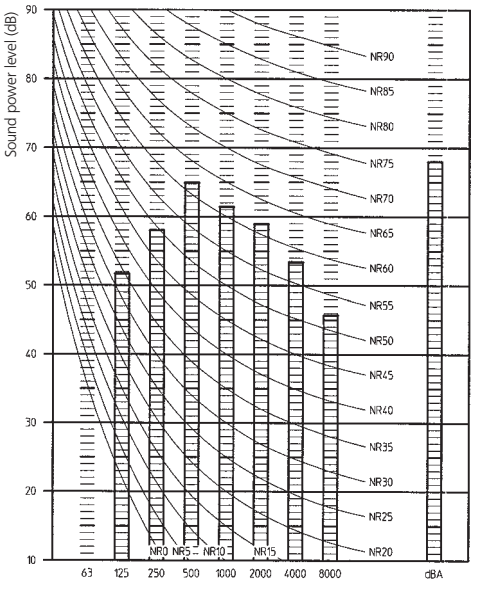


3TW29167-3

NOTES

1 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6μW/m^2
3 Measured according to ISO 3744

RZQS140DV1



3TW29177-3

NOTES

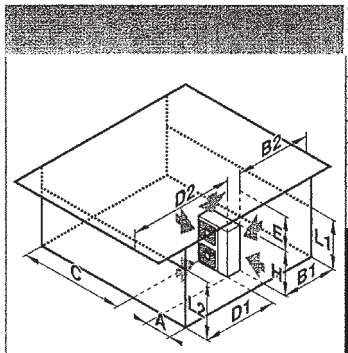
1 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6μW/m^2
3 Measured according to ISO 3744

10 Installation

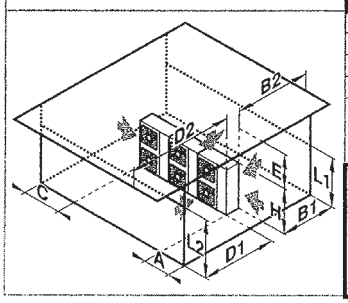
10 - 1 Installation method

RZQS71-140DV1

A. Non stacked installation



								A	B1	B2	C	D1	D2	E	L1/L2	
✓									≥50(100)							
✓		✓	✓					≥100	≥100		≥100					
✓				✓					≥100				≤500	≥1000		
✓		✓	✓	✓				≥150	≥150		≥150		≤500	≥1000		
	✓											≥500				
	✓			✓						≤500		≥500		≥1000		
✓	✓					L1<L2			≥50(100)			≥500				
						L2<L1			≥50(100)			≥500				
✓	✓			✓		L1<L2	L1≤H		≥150(250)	≤500		≥750		≥1000	0<L1≤1/2H	1
												≥1000			0<L1≤1/2H	
							H<L1		L1≤H							
						L2<L1	L2≤H		≥50(100)			≥500 (1000)	≥500	≥1000	0<L2≤1/2H	
									≥100(200)						1/2H<L2≤H	
							H<L2		L2≤H							
✓		✓	✓					≥200	≥200(300)		≥1000					
✓		✓	✓	✓				≥200	≥200(300)		≥1000		≤500	≥1000		
	✓											≥1000				
	✓			✓						≤500		≥1000		≥1000		
✓	✓					L1<L2			≥200(300)			≥1000				
						L2<L1			≥150(250)			≥1000 (1500)			0<L2≤1/2H	
									≥200(300)						1/2H<L2≤H	
✓	✓					L1<L2	L1≤H		≥200(300)	≤500		≥1000		≥1000	0<L1≤1/2H	1
				✓								≥1250			1/2H<L1≤H	
							H<L1		L1≤H							
						L2<L1	L2≤H		≥150(250)			≥1000 (1500)	≤500	≥1000	0<L2≤1/2H	2
									≥200(300)						1/2H<L2≤H	
							H<L2		L2≤H							



Legend

- Suction side obstacle
- Discharge side obstacle
- Left side obstacle
- Right side obstacle
- Top side obstacle
- ✓ Obstacle is present

In these cases, close the bottom of the installation frame to prevent discharged air from being bypassed.

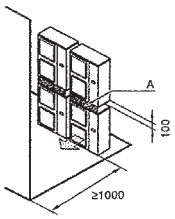
In these cases, only 2 units can be installed.

This situation is not allowed.

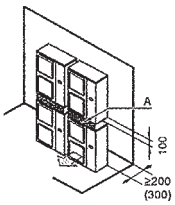
Figures between ( ) indicate the dimensions only for the 100-125-140 class models.

B. Stacked installation

1. Obstacles exist in front of the outlet side



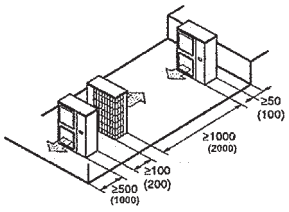
2. Obstacles exist in front of the air inlet



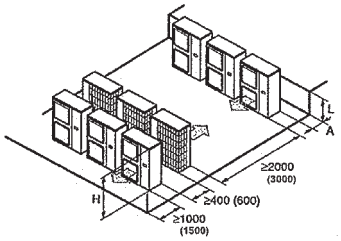
Do not stack more than one unit.
About 100mm is required as the dimension for laying the upper outdoor unit's drain pipe.
Get the portion A sealed so that air from the outlet does not bypass.

C. Multiple-row installation

1. Installation of one unit per row



2. Installing multiple units (2 units or more) in lateral connection per row



Relation of dimensions of H, A, and L are shown in the table below.

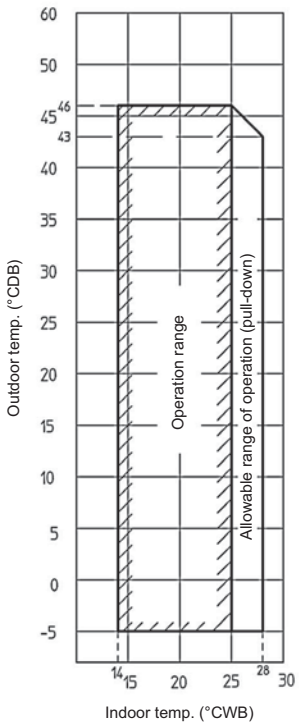
	L	A
L ≤ H	0 < L ≤ 1/2 H	150 (250)
	1/2 H < L	200 (300)
H < L	Installation impossible	

3TW26739-4

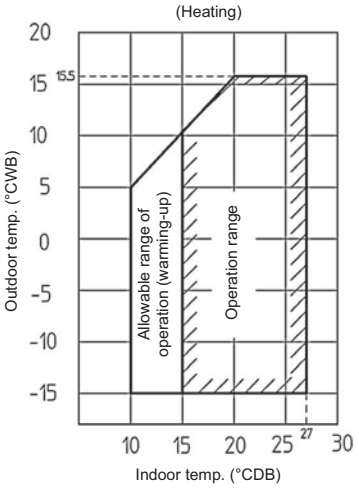
11 Operation range

RZQS71-140DV1

(Cooling)



(Heating)



NOTE

1 Depending on operation and istallation conditions. The indoor unit can change over to freeze-up operation (indoor de-icing)
2 To reduce the freeze-up operation (indoor de-icing) frequency it is recommended to install the outdoor unit in a location not exposed to wind.

3TW29063-1D