DAIKIN

technical data

air conditioning systems

RXS-B

Pair Application

Split Sky Air

Split - Sky Air

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

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

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 Europe N.V. is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.

Specifications are subject to change without prior notice.

DAIKIN EUROPE N.V.

Zandvoordestraat 300
B - 8400 Ostend Belgium
Internet: http://www.daikineurope.com

EEDE03-1/2 • 04/2003
Prepared in Belgium by Goekint Graphics

TABLE OF CONTENTS
RXS-B

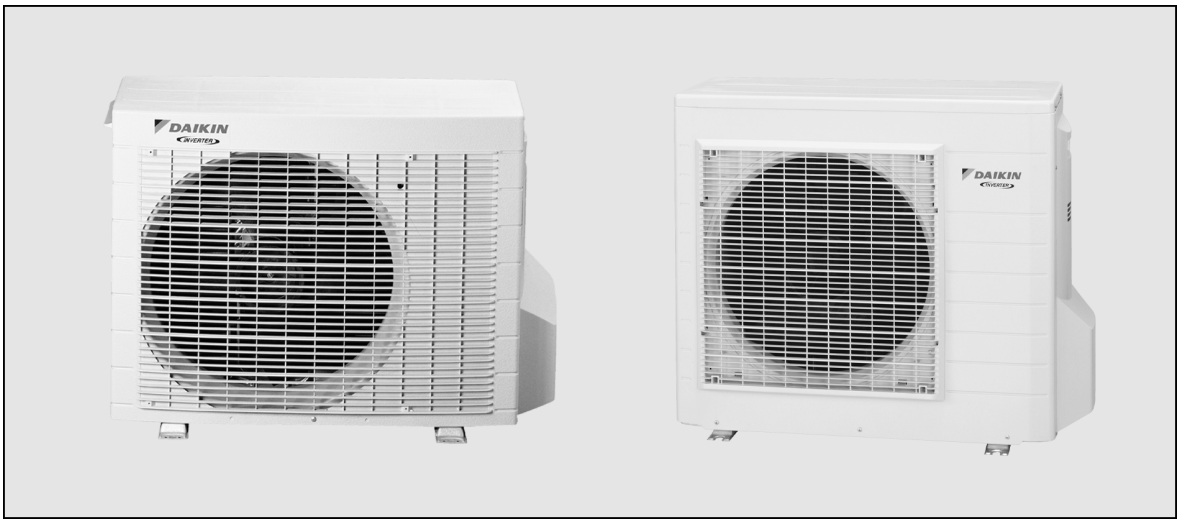
1	Features	2
2	Specifications Technical specifications Electrical specifications Electrical data	3
3	Capacity tables	8
4	Dimensional drawings	22
5	Operation range	23
6	Piping diagrams	24
7	Wiring diagrams	26
8	Sound level Sound level data Sound pressure spectrum	27
9	Accessories Standard accessories Optional accessories	30
10	Installation	31

1 Features

1

Outdoor units for pair application

- Daikin outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall. They are fitted with a swing compressor, renowned for its low noise and high energy efficiency.



2 Specifications

TECHNICAL SPECIFICATIONS								
OUTDOOR UNITS				**RXS25BVMB**	**RXS35BVMB**	**RXS50BVMB**	**RXS60BVMB**	**RXS71BVMB**
DIMENSIONS	Unit	H	mm	560		735		
		W	mm	695		825		
		D	mm	265		300		
WEIGHT			kg	37		49	53	55
COLOUR	Unit			Ivory white				
SOUND LEVEL	Sound pressure (1)	H/L (cooling)	dBA	46/43	47/44	47/*	49/*	52/*
		H/L (heating)	dBA	47/44	48/45	48/*	49/*	52/*
	Sound power (2)	H (cool/heat)	dBA	59/*	60/*	63/64	64/64	66/66
FAN	Air flow rate	H/L (cooling)	m^3/min	25.3/17.0	25.3/17.0	47.7/44.1	47.6/44.1	51.5/41.5
		H/L (heating)	m^3/min	22.8/15.3	22.8/15.3	44.1/44.1	45.5/45.5	41.9/37.4
	Speed	H/L (cooling)	rpm	1,390/850	1,390/890	1,340/1,370	1,330/1,010	1,370/1,040
		H/L (heating)	rpm	1,350/960	1,350/980	1,010/1,030	1,360/1,040	1,440/1,100
	Model			Propeller fan				
	Motor output		W	19		53		
HEAT EXCHANGER	Type			WL fin, Ø 8 Hi-XA tube		Waffle fin, Ø 8 Hi-XA tube		
	Rows x stages x fin pitch		mm	2 x 24 x 1.5		2 x 16 x 1.4		
REFRIGERANT CIRCUIT	Refrigerant type			R-410A				
	Refrigerant charge		kg	0.96	1.06	1.20	1.70	1.70
	Maximum allowable distance between indoor and outdoor		m	20		30		
	Maximum allowable level difference		m	15		20		
	Refrigerant control			Motor operated expansion valve		-		
COMPRESSOR	Type			Hermetically sealed swing type				
	Model			1YC23GXD#A		2YC32HXD		2YC45BXD
	Motor output			600	600	1,500	1,500	1,900
	Oil type			FVC50K				
	Oil charge volume		ℓ	0.40	0.40	0.65	0.65	0.75
PIPING CONNECTIONS		liquid	mm	ϕ6.4				
		gas	mm	ϕ9.5		ϕ12.7		ϕ15.9
		drain	mm	ϕ18.0				
INSULATION MATERIAL	Heat insulation			Both liquid and gas pipes				

* This information was not available at the time of publication.

2 Specifications

2

ELECTRICAL SPECIFICATIONS

OUTDOOR UNITS				RXS25BVMB	RXS35BVMB	RXS50BVMB	RXS60BVMB	RXS71BVMB
CURRENT	Nominal running current	cool/heat	A	3.52/4.22	5.22/5.42	6.82/7.30	9.12/9.00	10.90/11.40
	Max. running current	cool/heat	A	Please refer to electrical data				
	Starting current	cool/heat	A	4.4	5.6	7.5	9.3	11.6

OUTDOOR UNITS			RXS25BVMB	RXS35BVMB	RXS50BVMB	RXS60BVMB	RXS71BVMB
POWER SUPPLY			VM	VM	VM	VM	VM
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase		1~	1~	1~	1~	1~
	Frequency	Hz	50	50	50	50	50
	Voltage	V	230	230	230	230	230

NOTES

1 The sound pressure level is measured in an anechoic room at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment. For measuring conditions: please refer to item 8 of this chapter.

2 The sound power level is an absolute value indicating the "power" which a sound source generates.

2 Specifications

ELECTRICAL DATA

RXS+FTXS25B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS25BVMB	RXS25BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	48	3.21	19	0.35	18	0.20

3D040397

RXS+FTXS35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS35BVMB	RXS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	78	4.91	19	0.35	18	0.20

3D040398

RXS+FTXS50B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS50BVMB	RXS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	72	6.92	53	0.18	40	0.16

3D040876

RXS+FTXS60B
RXS+FTXS71B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS60BVMB	RXS60BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	72	8.86	53	0.24	43	0.16
FTXS71BVMB	RXS71BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18.5	20	80	10.58	53	0.26	43	0.18

3D040877

RXS+FVXS25B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS25BVMB	RXS25BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	49	3.25	19	0.35	28	0.16

3D040399

RXS+FVXS35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS35BVMB	RXS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	82	5.05	19	0.35	28	0.16

3D040400

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
W : Rated motor output (W)

NOTES

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

2 Specifications

2 ELECTRICAL DATA

RXS+FVXS50B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS50BVMB	RXS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	76	7.04	53	0.18	14+14	0.31

3D040876

RXS+FLXS25B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLXS25BVMB	RXS25BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	48	3.17	19	0.35	34	0.34

3D040395

RXS+FLXS35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLXS35BVMB	RXS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	81	5.03	19	0.35	34	0.38

3D040396

RXS+FLXS50B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLXS50BVMB	RXS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	75	7.00	53	0.18	34	0.54

3D040876

RXS+FFQ25B
RXS+FFQ35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ25BV1B	RXS25BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	54	3.55	19	0.35	55	0.6
FFQ35BV1B	RXS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	81	5.08	19	0.35	55	0.6

3D040596

RXS+FFQ50B
RXS+FFQ60B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ50BV1B	RXS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	72	7.43	53	0.18	55	0.7
FFQ60BV1B	RXS60BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	85	8.45	53	0.24	55	0.7

3D041020

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
W : Rated motor output (W)

NOTES

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

2 Specifications

ELECTRICAL DATA

RXS+FCQ35B
RXS+FCQ50B
RXS+FCQ60B

* This information was not available at the time of publication.

RXS+FHQ35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ35BUV1B	RXS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	78	4.91	19	0.35	62	0.6

3D040596

RXS+FHQ50B
RXS+FHQ60B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ50BUV1B	RXS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	79	7.5	53	0.18	62	0.6
FHQ60BUV1B	RXS60BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	90	8.84	53	0.24	62	0.6

3D040597

RXS+FBQ35B
RXS+FBQ50B
RXS+FBQ60B

* This information was not available at the time of publication.

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
W : Rated motor output (W)

NOTES

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

3 Capacity tables

RXS+FTXS25B

AFR	7.4
BF	0.23

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.33	1.58	0.52	2.25	1.52	0.58	2.17	1.47	0.65	2.14	1.45	0.66	2.08	1.41	0.67	2.00	1.35	0.72
16.0	22	2.51	1.70	0.53	2.43	1.65	0.59	2.35	1.59	0.66	2.31	1.56	0.67	2.25	1.52	0.68	2.16	1.46	0.74
18.0	25	2.70	1.83	0.54	2.61	1.77	0.61	2.52	1.71	0.67	2.48	1.68	0.68	2.42	1.64	0.69	2.32	1.57	0.75
19.0	27	2.80	1.89	0.55	2.70	1.83	0.61	2.61	1.77	0.67	2.57	1.74	0.68	2.50	1.69	0.70	2.40	1.62	0.76
22.0	30	3.09	2.09	0.56	2.99	2.02	0.63	2.88	1.95	0.69	2.84	1.92	0.70	2.76	1.87	0.72	2.65	1.79	0.78
24.0	32	3.28	2.22	0.57	3.18	2.15	0.64	3.07	2.08	0.71	3.02	2.04	0.72	2.94	1.99	0.73	2.81	1.91	0.79

Heating capacity **230V [50Hz]**

AFR	7.5

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	1.95	0.68	2.41	0.74	2.88	0.80	3.43	0.87	3.81	0.91
18.0	1.93	0.71	2.40	0.77	2.86	0.83	3.42	0.90	3.79	0.95
20.0	1.91	0.75	2.38	0.81	2.84	0.86	3.40	0.94	3.77	0.98
21.0	1.91	0.76	2.37	0.82	2.83	0.88	3.39	0.95	3.76	1.00
22.0	1.90	0.78	2.36	0.84	2.83	0.90	3.38	0.97	3.75	1.02
24.0	1.88	0.82	2.34	0.87	2.81	0.93	3.37	1.00	3.74	1.05

3D040388

RXS+FTXS35B

AFR	7.4
BF	0.16

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	3.26	2.05	0.87	3.15	1.99	0.97	3.04	1.92	1.07	2.99	1.89	1.09	2.92	1.84	1.11	2.79	1.76	1.20
16.0	22	3.52	2.22	0.88	3.40	2.14	0.99	3.29	2.07	1.09	3.23	2.04	1.10	3.15	1.98	1.13	3.02	1.90	1.22
18.0	25	3.78	2.38	0.90	3.66	2.30	1.00	3.53	2.23	1.11	3.47	2.19	1.12	3.38	2.13	1.15	3.24	2.04	1.24
19.0	27	3.91	2.47	0.91	3.78	2.38	1.01	3.65	2.30	1.12	3.59	2.26	1.13	3.50	2.21	1.16	3.35	2.11	1.26
22.0	30	4.32	2.72	0.93	4.18	2.63	1.04	4.04	2.54	1.15	3.97	2.50	1.17	3.87	2.44	1.19	3.71	2.33	1.29
24.0	32	4.60	2.90	0.95	4.45	2.80	1.06	4.29	2.70	1.17	4.22	2.66	1.19	4.11	2.59	1.22	3.94	2.48	1.32

Heating capacity **230V [50Hz]**

AFR	7.5

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.41	0.90	2.98	0.97	3.55	1.05	4.24	1.14	4.70	1.20
18.0	2.39	0.94	2.96	1.02	3.53	1.09	4.22	1.19	4.68	1.25
20.0	2.37	0.98	2.94	1.06	3.51	1.14	4.20	1.23	4.66	1.29
21.0	2.35	1.01	2.93	1.08	3.50	1.16	4.19	1.25	4.65	1.31
22.0	2.34	1.03	2.92	1.11	3.49	1.18	4.18	1.27	4.64	1.34
24.0	2.32	1.07	2.90	1.15	3.47	1.23	4.16	1.32	4.62	1.38

3D040389

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FTXS50B

AFR	11.4
BF	0.22

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	3.28	1.31	4.91	3.21	1.41	4.76	3.14	1.50	4.70	3.11	1.54	4.61	3.07	1.60	4.46	3.00	1.69
16.0	22	5.22	3.31	1.34	5.07	3.24	1.43	4.92	3.17	1.53	4.86	3.14	1.56	4.77	3.10	1.62	4.62	3.03	1.72
18.0	25	5.37	3.34	1.36	5.22	3.27	1.46	5.07	3.20	1.55	5.01	3.18	1.59	4.92	3.13	1.65	4.77	3.06	1.74
19.0	27	5.45	3.36	1.38	5.30	3.29	1.47	5.15	3.22	1.57	5.09	3.19	1.60	5.00	3.15	1.66	4.85	3.08	1.76
22.0	30	5.68	3.41	1.41	5.53	3.34	1.51	5.38	3.27	1.60	5.32	3.24	1.64	5.23	3.20	1.70	5.08	3.13	1.79
24.0	32	5.84	3.45	1.44	5.69	3.38	1.54	5.54	3.31	1.63	5.48	3.28	1.67	5.39	3.24	1.73	5.24	3.17	1.82

Heating capacity **230V [50Hz]**

AFR	12.6

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.91	1.22	3.61	1.31	4.31	1.39	5.02	1.48	5.86	1.58	6.42	1.65
18.0	2.88	1.28	3.58	1.37	4.29	1.45	4.99	1.54	5.83	1.64	6.39	1.71
20.0	2.85	1.34	3.55	1.43	4.26	1.51	4.96	1.60	5.80	1.70	6.36	1.77
21.0	2.84	1.37	3.54	1.46	4.24	1.54	4.94	1.63	5.79	1.73	6.35	1.80
22.0	2.82	1.40	3.53	1.49	4.23	1.57	4.93	1.66	5.77	1.76	6.33	1.83
24.0	2.79	1.47	3.50	1.55	4.20	1.64	4.90	1. 72	5.74	1.82	6.30	1.89

3D040887

RXS+FTXS60B

AFR	16.2
BF	0.29

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	6.06	3.97	1.77	5.91	3.90	1.87	5.76	3.83	1.96	5.70	3.80	2.00	5.61	3.76	2.06	5.46	3.69	2.15
16.0	22	6.22	4.00	1.80	6.07	3.93	1.89	5.92	3.86	1.99	5.86	3.83	2.02	5.77	3.79	2.08	5.62	3.72	2.18
18.0	25	6.37	4.03	1.82	6.22	3.96	1.92	6.07	3.89	2.01	6.01	3.87	2.05	5.92	3.82	2.11	5.77	3.75	2.20
19.0	27	6.45	4.05	1.84	6.30	3.98	1.93	6.15	3.91	2.03	6.09	3.88	2.06	6.00	3.84	2.12	5.85	3.77	2.22
22.0	30	6.68	4.10	1.87	6.53	4.03	1.97	6.38	3.96	2.06	6.32	3.93	2.10	6.23	3.89	2.16	6.08	3.82	2.25
24.0	32	6.84	4.14	1.90	6.69	4.07	2.00	6.54	4.00	2.09	6.48	3.97	2.13	6.39	3.93	2.19	6.24	3.86	2.28

Heating capacity **230V [50Hz]**

AFR	17.4

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.51	1.50	4.36	1.61	5.21	1.71	6.05	1.81	7.07	1.94	7.75	2.02
18.0	3.48	1.58	4.32	1.68	5.17	1.78	6.02	1.89	7.04	2.01	7. 71	2.10
20.0	3.44	1.65	4.29	1. 76	5.14	1.86	5.98	1.96	7.00	2.09	7.68	2.17
21.0	3.43	1.69	4.27	1. 79	5.12	1.90	5.97	2.00	6.98	2.13	7.66	2.21
22.0	3.41	1.73	4.25	1.83	5.10	1.94	5.95	2.04	6.97	2.17	7.64	2.25
24.0	3.37	1.80	4.22	1.91	5.07	2.01	5.91	2.12	6.93	2.24	7.61	2.32

3D040890

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FTXS71B

AFR	16.7
BF	0.27

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	7.16	4.60	2.18	7.01	4.53	2.28	6.86	4.46	2.37	6.80	4.43	2.41	6.71	4.39	2.47	6.56	4.32	2.56
16.0	22	7.32	4.63	2.21	7.17	4.56	2.30	7.02	4.49	2.40	6.96	4.46	2.43	6.87	4.42	2.49	6.72	4.35	2.59
18.0	25	7.47	4.67	2.23	7.32	4.60	2.33	7.17	4.53	2.42	7.11	4.50	2.46	7.02	4.46	2.52	6.87	4.39	2.61
19.0	27	7.55	4.68	2.25	7.40	4.61	2.34	7.25	4.54	2.44	7.19	4.52	2.47	7.10	4.47	2.53	6.95	4.40	2.63
22.0	30	7.78	4.73	2.28	7.63	4.66	2.38	7.48	4.59	2.47	7.42	4.57	2.51	7.33	4.52	2.57	7.18	4.45	2.66
24.0	32	7.94	4.77	2.31	7.79	4.70	2.41	7.64	4.63	2.50	7.58	4.60	2.54	7.49	4.56	2.60	7.34	4.49	2.69

Heating capacity **230V [50Hz]**

AFR	18.5

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	4.27	1.89	5.29	2.02	6.32	2.15	7.35	2.28	8.59	2.44	9.41	2.55
18.0	4.22	1.98	5.25	2.11	6.28	2.25	7.31	2.38	8.54	2.54	9.37	2.64
20.0	4.18	2.08	5.21	2.21	6.24	2.34	7.27	2.47	8.50	2.63	9.32	2.74
21.0	4.16	2.13	5.19	2.26	6.22	2.39	7.24	2.52	8.48	2.68	9.30	2.78
22.0	4.14	2.17	5.17	2.30	6.19	2.44	7.22	2.57	8.46	2.72	9.28	2.83
24.0	4.10	2.27	5.12	2.40	6.15	2.53	7.18	2.66	8.42	2.82	9.24	2.92

3D040891

RXS+FVXS25B

AFR	8.1
BF	0.29

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.33	1.58	0.52	2.25	1.52	0.58	2.17	1.47	0.65	2.14	1.45	0.66	2.08	1.41	0.67	2.00	1.35	0.72
16.0	22	2.51	1.70	0.53	2.43	1.65	0.59	2.35	1.59	0.66	2.31	1.56	0.67	2.25	1.52	0.68	2.16	1.46	0.74
18.0	25	2.70	1.83	0.54	2.61	1.77	0.61	2.52	1.71	0.67	2.48	1.68	0.68	2.42	1.64	0.69	2.32	1.57	0.75
19.0	27	2.80	1.89	0.55	2.70	1.83	0.61	2.61	1.77	0.67	2.57	1.74	0.68	2.50	1.60	0.70	2.40	1.62	0.76
22.0	30	3.09	2.09	0.56	2.99	2.02	0.63	2.88	1.95	0.69	2.84	1.92	0.70	2.76	1.87	0.72	2.65	1.79	0.78
24.0	32	3.28	2.22	0.57	3.18	2.15	0.64	3.07	2.08	0.71	3.02	2.04	0.72	2.94	1.99	0.73	2.81	1.91	0.79

Heating capacity **230V [50Hz]**

AFR	9.2

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	1.95	0.61	2.41	0.66	2.88	0.72	3.43	0.78	3.81	0.82
18.0	1.93	0.64	2.40	0.69	2.86	0.75	3.42	0.81	3.79	0.85
20.0	1.91	0.67	2.38	0.72	2.84	0.78	3.40	0.84	3.77	0.88
21.0	1.91	0.69	2.37	0.74	2.83	0.79	3.39	0.86	3.76	0.90
22.0	1.90	0.70	2.36	0.75	2.83	0.81	3.38	0.87	3.75	0.91
24.0	1.88	0.73	2.34	0.78	2.81	0.84	3.37	0.90	3.74	0.94

3D040392

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FVXS35B

AFR	8.3
BF	0.13

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	3.26	2.12	0.87	3.15	2.05	0.97	3.04	1.98	1.07	2.99	1.95	1.09	2.92	1.90	1.11	2.79	1.82	1.20
16.0	22	3.52	2.29	0.88	3.40	2.21	0.99	3.29	2.14	1.09	3.23	2.10	1.10	3.15	2.05	1.13	3.02	1.96	1.22
18.0	25	3.78	2.46	0.90	3.66	2.38	1.00	3.53	2.30	1.11	3.47	2.26	1.12	3.38	2.20	1.15	3.24	2.11	1.24
19.0	27	3.91	2.54	0.91	3.78	2.46	1.01	3.65	2.38	1.12	3.59	2.34	1.13	3.50	2.28	1.16	3.35	2.18	1.26
22.0	30	4.32	2.81	0.93	4.18	2.72	1.04	4.04	2.62	1.15	3.97	2.58	1.17	3.87	2.51	1.19	3.71	2.41	1.29
24.0	32	4.60	2.99	0.95	4.45	2.89	1.06	4.29	2.79	1.17	4.22	2.74	1.19	4.11	2.67	1.22	3.94	2.56	1.32

Heating capacity **230V [50Hz]**

AFR	9.2

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.58	0.94	3.19	1.02	3.81	1.10	4.55	1.19	5.04	1.26
18.0	2.56	0.98	3.17	1.06	3.79	1.14	4.52	1.24	5.01	1.30
20.0	2.53	1.03	3.15	1.11	3.76	1.19	4.50	1.29	4.99	1.35
21.0	2.52	1.05	3.14	1.13	3.75	1.21	4.49	1.31	4.98	1.37
22.0	2.51	1.07	3.13	1.15	3.74	1.23	4.48	1.33	4.97	1.40
24.0	2.49	1.12	3.10	1.20	3.72	1.28	4.46	1.38	4.95	1.44

3D040393

RXS+FVXS50B

AFR	10.8
BF	0.23

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	4.86	3.15	1.35	4.71	3.08	1.45	4.56	3.01	1.54	4.50	2.98	1.58	4.41	2.94	1.64	4.26	2.87	1.73
16.0	22	5.02	3.18	1.38	4.87	3.11	1.47	4.72	3.04	1.57	4.66	3.02	1.60	4.57	2.97	1.66	4.42	2.90	1.76
18.0	25	5.17	3.22	1.40	5.02	3.15	1.50	4.87	3.08	1.59	4.81	3.05	1.63	4.72	3.01	1.69	4.57	2.94	1.78
19.0	27	5.25	3.23	1.42	5.10	3.16	1.51	4.95	3.09	1.61	4.89	3.07	1.64	4.80	3.02	1.70	4.65	2.95	1.80
22.0	30	5.48	3.29	1.45	5.33	3.22	1.55	5.18	3.15	1.64	5.12	3.12	1.68	5.03	3.08	1.74	4.88	3.01	1.83
24.0	32	5.64	3.32	1.48	5.49	3.25	1.58	5.34	3.18	1.67	5.28	3.15	1.71	5.19	3.11	1.77	5.04	3.04	1.86

Heating capacity **230V [50Hz]**

AFR	13.2

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.01	1.34	3.74	1.44	4.46	1.53	5.19	1.62	6.06	1.74	6.64	1.81
18.0	2.98	1.41	3.71	1.50	4.43	1.60	5.16	1.69	6.03	1.80	6.61	1.88
20.0	2.95	1.48	3.68	1.57	4.40	1.66	5.13	1.76	6.00	1.87	6.58	1.94
21.0	2.94	1.51	3.66	1.60	4.39	1.70	5.11	1.79	5.99	1.90	6.57	1.98
22.0	2.92	1.54	3.65	1.64	4.37	1.73	5.10	1.83	5.97	1.94	6.55	2.01
24.0	2.89	1.61	3.62	1.71	4.34	1.80	5.07	1.89	5.94	2.00	6.52	2.08

3D040889

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FLXS25B

AFR	7.6
BF	0.32

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.33	1.52	0.54	2.25	1.47	0.60	2.17	1.42	0.66	2.14	1.40	0.67	2.08	1.36	0.68	2.00	1.30	0.74
16.0	22	2.51	1.64	0.54	2.43	1.59	0.61	2.35	1.53	0.67	2.31	1.51	0.68	2.25	1.47	0.70	2.16	1.41	0.75
18.0	25	2.70	1.76	0.55	2.61	1.71	0.62	2.52	1.65	0.68	2.48	1.62	0.69	2.42	1.58	0.71	2.32	1.51	0.77
19.0	27	2.80	1.82	0.56	2.70	1.76	0.62	2.61	1.70	0.69	2.57	1.67	0.70	2.50	1.63	0.72	2.40	1.56	0.77
22.0	30	3.09	2.02	0.58	2.99	1.95	0.64	2.88	1.88	0.71	2.84	1.85	0.72	2.76	1.80	0.74	2.65	1.73	0.80
24.0	32	3.28	2.14	0.59	3.18	2.07	0.65	3.07	2.00	0.72	3.02	1.97	0.73	2.94	1.92	0.75	2.81	1.84	0.81

Heating capacity **230V [50Hz]**

AFR	9.2

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	1.95	0.68	2.41	0.74	2.88	0.80	3.43	0.87	3.81	0.92
18.0	1.93	0.72	2.40	0.78	2.86	0.84	3.42	0.91	3.79	0.95
20.0	1.91	0.75	2.38	0.81	2.84	0.87	3.40	0.94	3.77	0.99
21.0	1.91	0.77	2.37	0.83	2.83	0.89	3.39	0.96	3.76	1.00
22.0	1.90	0.79	2.36	0.84	2.83	0.90	3.38	0.97	3.75	1.02
24.0	1.88	0.82	2.34	0.88	2.81	0.94	3.37	1.01	3.74	1.05

3D040384

RXS+FLXS35B

AFR	8.6
BF	0.35

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	3.26	2.02	0.91	3.15	1.95	1.02	3.04	1.89	1.12	2.99	1.86	1.14	2.92	1.81	1.17	2.79	1.73	1.26
16.0	22	3.52	2.18	0.93	3.40	2.11	1.04	3.29	2.04	1.14	3.23	2.00	1.16	3.15	1.95	1.19	3.02	1.87	1.29
18.0	25	3.78	2.35	0.95	3.66	2.27	1.06	3.53	2.19	1.16	3.47	2.15	1.18	3.38	2.10	1.21	3.24	2.01	1.31
19.0	27	3.91	2.43	0.95	3.78	2.35	1.06	3.65	2.27	1.17	3.59	2.23	1.19	3.50	2.17	1.22	3.35	2.08	1.32
22.0	30	4.32	2.68	0.98	4.18	2.59	1.10	4.04	2.50	1.21	3.97	2.46	1.23	3.87	2.40	1.26	3.71	2.30	1.36
24.0	32	4.60	2.85	1.00	4.45	2.76	1.12	4.29	2.66	1.23	4.22	2.62	1.25	4.11	2.55	1.28	3.94	2.44	1.38

Heating capacity **230V [50Hz]**

AFR	9.8

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.58	1.00	3.19	1.09	3.81	1.18	4.55	1.28	5.04	1.35
18.0	2.56	1.05	3.17	1.14	3.79	1.23	4.52	1.33	5.01	1.40
20.0	2.53	1.10	3.15	1.19	3.76	1.28	4.50	1.38	4.99	1.45
21.0	2.52	1.13	3.14	1.22	3.75	1.30	4.49	1.40	4.98	1.47
22.0	2.51	1.15	3.13	1.24	3.74	1.33	4.48	1.43	4.97	1.50
24.0	2.49	1.20	3.10	1.29	3.72	1.38	4.46	1.48	4.95	1.55

3D040385

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FLXS50B

AFR	11.4
BF	0.18

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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 capacity **230V [50Hz]**

AFR	12.1

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

3D040888

RXS+FFQ25B

AFR	9.0
BF	0.24

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.33	1.82	0.62	2.25	1.76	0.69	2.17	1.70	0.76	2.14	1.67	0.78	2.08	1.62	0.79	2.00	1.56	0.86
16.0	22	2.51	1.96	0.63	2.43	1.90	0.71	2.35	1.83	0.78	2.31	1.80	0.79	2.25	1.75	0.81	2.16	1.68	0.87
18.0	25	2.70	2.11	0.64	2.61	2.04	0.72	2.52	1.97	0.79	2.48	1.93	0.80	2.42	1.88	0.82	2.32	1.81	0.89
19.0	27	2.80	2.18	0.65	2.70	2.11	0.72	2.61	2.04	0.80	2.57	2.00	0.81	2.50	1.95	0.83	2.40	1.87	0.90
22.0	30	3.09	2.41	0.67	2.99	2.33	0.75	2.88	2.25	0.82	2.84	2.21	0.84	2.76	2.15	0.85	2.65	2.06	0.92
24.0	32	3.28	2.56	0.68	3.18	2.48	0.76	3.07	2.39	0.84	3.02	2.35	0.85	2.94	2.29	0.87	2.81	2.20	0.94

Heating capacity **230V [50Hz]**

AFR	9.0

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	1.83	0.68	2.27	0.74	2.71	0.80	3.23	0.87	3.58	0.92
18.0	1.82	0.72	2.26	0.78	2.69	0.84	3.22	0.91	3.57	0.95
20.0	1.80	0.75	2.24	0.81	2.68	0.87	3.20	0.94	3.55	0.99
21.0	1.79	0.77	2.23	0.83	2.67	0.89	3.19	0.96	3.54	1.00
22.0	1.79	0.79	2.22	0.84	2.66	0.90	3.18	0.97	3.53	1.02
24.0	1.77	0.82	2.21	0.88	2.64	0.94	3.17	1.01	3.52	1.05

3D040763

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FFQ35B

AFR	10.0
BF	0.25

Cooling capacity — 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	3.17	2.25	0.97	3.06	2.18	1.09	2.96	2.10	1.20	2.91	2.07	1.22	2.83	2.02	1.24	2.71	1.93	1.35
16.0	22	3.42	2.43	0.99	3.31	2.35	1.10	3.19	2.27	1.22	3.14	2.24	1.24	3.06	2.18	1.27	2.93	2.09	1.37
18.0	25	3.67	2.62	1.01	3.55	2.53	1.12	3.43	2.44	1.24	3.37	2.40	1.26	3.29	2.34	1.29	3.15	2.24	1.39
19.0	27	3.80	2.71	1.02	3.68	2.62	1.13	3.55	2.53	1.25	3.49	2.48	1.27	3.40	2.42	1.30	3.26	2.32	1.41
22.0	30	4.20	2.99	1.05	4.06	2.89	1.17	3.92	2.79	1.29	3.86	2.74	1.31	3.76	2.67	1.34	3.60	2.56	1.45
24.0	32	4.47	3.18	1.07	4.32	3.07	1.19	4.17	2.97	1.31	4.10	2.92	1.33	4.00	2.84	1.36	3.83	2.72	1.48

Heating capacity — 230V [50Hz]

AFR	10.0

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.58	1.16	3.19	1.26	3.81	1.36	4.55	1.48	5.04	1.56
18.0	2.56	1.22	3.17	1.32	3.79	1.42	4.52	1.54	5.01	1.62
20.0	2.53	1.28	3.15	1.38	3.76	1.48	4.50	1.60	4.99	1.68
21.0	2.52	1.31	3.14	1.41	3.75	1.51	4.49	1.63	4.98	1.71
22.0	2.51	1.34	3.13	1.44	3.74	1.54	4.48	1.66	4.97	1.74
24.0	2.49	1.40	3.10	1.50	3.72	1.60	4.46	1.72	4.95	1.80

3D040765

RXS+FFQ50B

AFR	12.0
BF	0.16

Cooling capacity — 230V [50Hz]

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

Heating capacity — 230V [50Hz]

AFR	12.0

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

3D041023

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FFQ60B

AFR	15.0
BF	0.11

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	5.86	4.30	1.72	5.71	4.23	1.82	5.56	4.16	1.91	5.50	4.13	1.95	5.41	4.09	2.01	5.26	4.02	2.10
16.0	22	6.02	4.34	1.75	5.87	4.27	1.84	5.72	4.20	1.94	5.66	4.17	1.97	5.57	4.13	2.03	5.42	4.06	2.13
18.0	25	6.17	4.37	1.77	6.02	4.30	1.87	5.87	4.23	1.96	5.81	4.20	2.00	5.72	4.16	2.06	5.57	4.09	2.15
19.0	27	6.25	4.39	1.79	6.10	4.32	1.88	5.95	4.25	1.98	5.89	4.22	2.01	5.80	4.18	2.07	5.65	4.11	2.17
22.0	30	6.48	4.44	1.82	6.33	4.37	1.92	6.18	4.30	2.01	6.12	4.27	2.05	6.03	4.23	2.11	5.88	4.16	2.20
24.0	32	6.64	4.47	1.85	6.49	4.40	1.95	6.34	4.33	2.04	6.28	4.30	2.08	6.19	4.26	2.14	6.04	4.19	2.23

Heating capacity **230V [50Hz]**

AFR	15.0

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.51	1.79	4.36	1.91	5.21	2.04	6.05	2.16	7.07	2.31	7.75	2.41
18.0	3.48	1.88	4.32	2.00	5.17	2.13	6.02	2.25	7.04	2.40	7.71	2.50
20.0	3.44	1.97	4.29	2.09	5.14	2.22	5.98	2.34	7.00	2.49	7.68	2.59
21.0	3.43	2.01	4.27	2.14	5.12	2.26	5.97	2.39	6.98	2.53	7.66	2.63
22.0	3.41	2.06	4.25	2.18	5.10	2.31	5.95	2.43	6.97	2.58	1.64	2.68
24.0	337	2.15	4.22	2.27	5.07	2.40	5.91	2.52	6.93	2.67	1.61	2.77

3D041028

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FCQ35-60B

Cooling capacity **230V [50Hz]**

Outdoor	Indoor		Outdoor temperature (°C)																	
	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
35	14.0	20.0	3.2	2.7	0.91	3.1	2.6	1.01	3.0	2.5	1.12	2.9	2.4	1.13	2.8	2.4	1.16	2.7	2.3	1.25
	16.0	22.0	3.4	2.9	0.92	3.3	2.8	1.03	3.2	2.7	1.14	3.1	2.6	1.15	3.1	2.6	1.18	2.9	2.5	1.28
	18.0	25.0	3.7	3.1	0.94	3.6	3.0	1.05	3.4	2.9	1.16	3.4	2.8	1.17	3.3	2.8	1.20	3.2	2.6	1.30
	19.0	27.0	3.8	3.2	0.95	3.7	3.1	1.06	3.6	3.0	1.17	3.5	2.9	1.18	3.4	2.9	1.21	3.3	2.7	1.31
	22.0	30.0	4.2	3.5	0.97	4.1	3.4	1.09	3.9	3.3	1.20	3.9	3.2	1.22	3.8	3.2	1.25	3.6	3.0	1.35
	24.0	32.0	4.5	3.8	0.99	4.3	3.6	1.11	4.2	3.5	1.22	4.1	3.4	1.24	4.0	3.4	1.27	3.8	3.2	1.37
50	14.0	20.0	5.1	3.7	1.57	4.9	3.6	1.67	4.8	3.5	1.76	4.7	3.5	1.80	4.6	3.5	1.86	4.5	3.4	1.95
	16.0	22.0	5.2	3.7	1.60	5.1	3.6	1.69	4.9	3.6	1.79	4.9	3.5	1.83	4.8	3.5	1.88	4.6	3.4	1.98
	18.0	25.0	5.4	3.7	1.62	5.2	3.7	1.72	5.1	3.6	1.81	5.0	3.6	1.85	4.9	3.5	1.91	4.8	3.5	2.00
	19.0	27.0	5.5	3.8	1.64	5.3	3.7	1.73	5.2	3.6	1.83	5.1	3.6	1.87	5.0	3.6	1.92	4.9	3.5	2.02
	22.0	30.0	5.7	3.8	1.68	5.5	3.7	1.77	5.4	3.7	1.87	5.3	3.6	1.90	5.2	3.6	1.96	5.1	3.5	2.06
	24.0	32.0	5.8	3.8	1.70	5.7	3.8	1.80	5.5	3.7	1.89	5.5	3.7	1.93	5.4	3.6	1.99	5.2	3.6	2.08
60	14.0	20.0	5.8	4.5	1.84	5.6	4.4	1.94	5.5	4.3	2.03	5.4	4.3	2.07	5.3	4.3	2.13	5.2	4.2	2.22
	16.0	22.0	5.9	4.5	1.87	5.8	4.4	1.96	5.6	4.4	2.06	5.6	4.4	2.10	5.5	4.3	2.15	5.3	4.2	2.25
	18.0	25.0	6.1	4.6	1.89	5.9	4.5	1.99	5.8	4.4	2.08	5.7	4.4	2.12	5.6	4.3	2.18	5.5	4.3	2.27
	19.0	27.0	6.2	4.6	1.91	6.0	4.5	2.00	5.9	4.4	2.10	5.8	4.4	2.13	5.7	4.4	2.19	5.6	4.3	2.29
	22.0	30.0	6.4	4.6	1.95	6.2	4.6	2.04	6.1	4.5	2.14	6.0	4.5	2.17	5.9	4.4	2.23	5.8	4.3	2.33
	24.0	32.0	6.5	4.7	1.97	6.4	4.6	2.07	6.2	4.5	2.16	6.2	4.5	2.20	6.1	4.4	2.26	5.9	4.4	2.35

3TW25082-1

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 capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. Shows nominal cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m^3/min) x (1-BF) x (DB-EDB)/860
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FCQ
35	AFR	14
	BF	0.16
50	AFR	15
	BF	0.16
60	AFR	18
	BF	0.10

3 Capacity tables

RXS+FCQ35-60B

Heating capacity **230V [50Hz]**

Outdoor	Indoor EDB (°C)	Outdoor temperature (°C) -15 TC	-15 PI	-10 TC	-10 PI	-5 TC	-5 PI	0 TC	0 PI	6 TC	6 PI	10 TC	10 PI
35	16.0	-	-	2.4	0.93	2.9	1.01	3.5	1.10	4.1	1.19	4.6	1.25
	18.0	-	-	2.3	0.98	2.9	1.06	3.5	1.14	4.1	1.24	4.6	1.30
	20.0	-	-	2.3	1.02	2.9	1.11	3.4	1.18	4.1	1.28	4.6	1.35
	21.0	-	-	2.3	1.05	2.9	1.13	3.4	1.20	4.1	1.30	4.5	1.37
	22.0	-	-	2.3	1.07	2.9	1.15	3.4	1.23	4.1	1.32	4.5	1.39
	24.0	-	-	2.3	1.12	2.8	1.19	3.4	1.28	4.1	1.37	4.5	1.43
50	16.0	3.0	1.35	3.7	1.44	4.5	1.53	5.2	1.63	6.1	1.74	6.6	1.81
	18.0	3.0	1.41	3.7	1.51	4.4	1.60	5.2	1.69	6.0	1.81	6.6	1.88
	20.0	3.0	1.48	3.7	1.57	4.4	1.67	5.1	1.76	60	1.87	6.6	1.95
	21.0	2.9	1.51	3.7	1.61	4.4	1.70	5.1	1.80	6.0	1.91	6.6	1.98
	22.0	2.9	1.55	3.6	1.64	4.4	1.74	5.1	1.83	6.0	1.94	6.6	2.02
	240	2.9	1.62	3.6	1.71	4.3	1.80	5.1	1.90	5.9	2.01	6.5	2.08
60	16.0	3.5	1.57	4.4	1.68	5.2	1.79	6.1	1.90	1 1	2.03	7.7	2.12
	18 0	3.5	1.65	4.3	1.76	5.2	1.87	6.0	1.98	7.0	2.11	7.7	2.20
	20.0	3.4	1.73	4.3	1.84	5.1	1.95	6.0	2.06	7.0	2.19	7.7	2.27
	21.0	3.4	1.77	4.3	1.88	5.1	1.99	6.0	2.10	7.0	2.23	7.7	2.31
	22.0	3.4	1.81	4.3	1.92	5.1	2.03	5.9	2.13	7.0	2.27	7.6	2.35
	24.0	3.4	1.89	4.2	1.99	5.1	2.10	5.9	2 21	6.9	2.34	7.6	2.43

3TW25082-2

SYMBOLS

AFR:	Air flow rate	(m^3/min)
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*	Dry bulb temp.	(°CDB)
TC:	Total capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

NOTES

1. Ratings shown are net capacities.
   Influence of fan motor heat is included.
2. ▭ Shows nominal cooling capacities and power input
3. Direct interpolation is permissible.
   Do not extrapolate.
4. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
5. Air flow rate and BF are tabulated below.

Model	FCQ
35	14
50	15
60	18

3 Capacity tables

RXS+FHQ35B

AFR	13
BF	0.20

Cooling capacity — 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	3.17	2.47	0.91	3.06	2.39	1.01	2.96	2.30	1.12	2.91	2.27	1.13	2.83	2.21	1.16	2.71	2.11	1.25
16.0	22	3.42	2.67	0.92	3.31	2.58	1.03	3.19	2.49	1.14	3.14	2.45	1.15	3.06	2.38	1.18	2.93	2.28	1.28
18.0	25	3.67	2.86	0.94	3.55	2.77	1.05	3.43	2.67	1.16	3.37	2.63	1.17	3.29	2.56	1.20	3.15	2.45	1.30
19.0	27	3.80	2.96	0.95	3.68	2.86	1.06	3.55	2.77	1.17	3.49	2.72	1.18	3.40	2.65	1.21	3.26	2.54	1.31
22.0	30	4.20	3.27	0.97	4.06	3.17	1.09	3.92	3.06	1.20	3.86	3.01	1.22	3.76	2.93	1.25	3.60	2.81	1.35
24.0	32	4.47	3.48	0.99	4.32	3.37	1.11	4.17	3.25	1.22	4.10	3.20	1.24	4.00	3.11	1.27	3.83	2.98	1.37

Heating capacity — 230V [50Hz]

AFR	13

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.35	0.86	2.91	0.93	3.47	1.01	4.14	1.1 0	4.59	1.15
18.0	2.33	0.90	2.89	0.98	3.45	1.05	4.12	1.14	4.57	1.20
20.0	2.31	0.94	2.87	1.02	3.43	1.09	4.10	1.18	4.55	1.24
21.0	2.30	0.97	2.86	1.04	3.42	1.11	4.09	1.20	4.54	1.26
22.0	2.29	0.99	2.85	1.06	3.41	1.13	4.08	1.22	4.53	1.28
24.0	2.27	1.03	2.83	1.10	3.39	1.18	4.06	1.26	4.51	1.32

3D040598

RXS+FHQ50B

AFR	13
BF	0.1

Cooling capacity — 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.06	3.63	1.48	4.91	3.56	1.58	4.76	3.49	1.67	4.70	3.46	1.71	4.61	3.42	1.77	4.46	3.35	1.86
16.0	22	5.22	3.66	1.51	5.07	3.59	1.60	4.92	3.52	1.70	4.86	3.49	1.73	4.77	3.45	1.79	4.62	3.38	1.89
18.0	25	5.37	3.69	1.53	5.22	3.62	1.63	5.07	3.55	1.72	5.01	3.53	1.76	4.92	3.48	1.82	4.77	3.41	1.91
19.0	27	5.45	3.71	1.55	5.30	3.64	1.64	5.15	3.57	1.74	5.09	3.54	1.77	5.00	3.50	1.83	4.85	3.43	1.93
22.0	30	5.68	3.76	1.58	5.53	3.69	1.68	5.38	3.62	1.77	5.32	3.59	1.81	5.23	3.55	1.87	5.08	3.48	1.96
24.0	32	5.84	3.80	1.61	5.69	3.73	1.71	5.54	3.66	1.80	5.48	3.63	1.84	5.39	3.59	1.90	5.24	3.52	1.99

Heating capacity — 230V [50Hz]

AFR	13

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.01	1.47	3.74	1.57	4.46	1.68	5.19	1.78	6.06	1.90	6.64	1.98
18.0	2.98	1.55	3.71	1.65	4.43	1.75	5.16	1.85	6.03	1.98	6.61	2.06
20.0	2.95	1.62	3.68	1.72	4.40	1.82	5.13	1.93	6.00	2.05	6.58	2.13
21.0	2.94	1.66	3.66	1.76	4.39	1.86	5.11	1.96	5.99	2.09	6.57	2.17
22.0	2.92	1.69	3.65	1.80	4.37	1.90	5.10	2.00	5.97	2.12	6.55	2.21
24.0	2.89	1.77	3.62	1.87	4.34	1.97	5.07	2.07	5.94	2.20	6.52	2.28

3D040600

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FHQ60B

AFR	17
BF	0.2

Cooling capacity **230V [50Hz]**

Indoor		Outdoor temperature (°C)																	
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	4.17	1.80	5.61	4.10	1.90	5.46	4.03	1.99	5.40	4.00	2.03	5.31	3.96	2.09	5.16	3.89	2.18
16.0	22	5.92	4.21	1.83	5.77	4.14	1.92	5.62	4.07	2.02	5.56	4.04	2.05	5.47	4.00	2.11	5.32	3.93	2.21
18.0	25	6.07	4.24	1.85	5.92	4.17	1.95	5.77	4.10	2.04	5.71	4.07	2.08	5.62	4.03	2.14	5.47	3.96	2.23
19.0	27	6.15	4.26	1.87	6.00	4.19	1.96	5.85	4.12	2.06	5.79	4.09	2.09	5.70	4.05	2.15	5.55	3.98	2.25
22.0	30	6.38	4.31	1.90	6.23	4.24	2.00	6.08	4.17	2.09	6.02	4.14	2.13	5.93	4.10	2.19	5.78	4.03	2.28
24.0	32	6.54	4.34	1.93	6.39	4.27	2.03	6.24	4.20	2.12	6.18	4.17	2.16	6.09	4.13	2.22	5.94	4.06	2.31

Heating capacity **230V [50Hz]**

AFR	16

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.61	1.79	4.48	1.91	5.36	2.04	6.23	2.16	7.27	2.31	7.97	2.41
18.0	3.58	1.88	4.45	2.00	5.32	2.13	6.19	2.25	7.24	2.40	7.93	2.50
20.0	3.54	1.97	4.41	2.09	5.28	2.22	6.15	2.34	7.20	2.49	7.90	2.59
21.0	3.52	2.01	4.39	2.14	5.27	2.26	6.14	2.39	7.18	2.53	7.88	2.63
22.0	3.50	2.06	4.38	2.18	5.25	2.31	6.12	2.43	7.16	2.58	7.86	2.68
24.0	3.47	2.15	4.34	2.27	5.21	2.40	6.08	2.52	7.13	2.67	7.82	2.77

3D040603

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 capacity	(kW)
SHC:	Sensible heating 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 cooling capacities and power input
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min) x (1-BF) x (DB-EDB)
   Add SHC* to SHC.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

RXS+FBQ35-60B

Cooling capacity **230V [50Hz]**

Outdoor	Indoor		Outdoor temperature (°C)																	
	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
35	14.0	20.0	3.2	2.4	0.91	3.1	2.3	1.01	3.0	2.2	1.12	2.9	2.2	1.13	2.8	2.1	1.16	2.7	2.0	1.25
	16.0	22.0	3.4	2.6	0.92	3.3	2.5	1.03	3.2	2.4	1.14	3.1	2.4	1.15	3.1	2.3	1.18	2.9	2.2	1.28
	18.0	25.0	3.7	2.8	0.94	3.6	2.7	1.05	3.4	2.6	1.16	3.4	2.5	1.17	3.3	2.5	1.20	3.2	2.4	1.30
	19.0	27.0	3.8	2.9	0.95	3.7	2.8	1.06	3.6	2.7	1.17	3.5	2.6	1.18	3.4	2.6	1.21	3.3	2.4	1.31
	22.0	30.0	4.2	3.2	0.97	4.1	3.0	1.09	3.9	2.9	1.20	3.9	2.9	1.22	3.8	2.8	1.25	3.6	2.7	1.35
	24.0	32.0	4.5	3.3	0.99	4.3	3.2	1.11	4.2	3.1	1.22	4.1	3.1	1.24	4.0	3.0	1.27	3.8	2.9	1.37
50	14.0	20.0	5.1	3.6	1.57	4.9	3.5	1.67	4.8	3.4	1.76	4.7	3.4	1.80	4.6	3.4	1.86	4.5	3.3	1.95
	16.0	22.0	5.2	3.6	1.60	5.1	3.5	1.69	4.9	3.5	1.79	4.9	3.4	1.83	4.8	3.4	1.88	4.6	3.3	1.98
	18.0	25.0	5.4	3.6	1.62	5.2	3.6	1.72	5.1	3.5	1.81	5.0	3.5	1.85	4.9	3.4	1.91	4.8	3.4	2.00
	19.0	27.0	5.5	3.7	1.64	5.3	3.6	1.73	5.2	3.5	1.83	5.1	3.5	1.87	5.0	3.5	1.92	4.9	3.4	2.02
	22.0	30.0	5.7	3.7	1.68	5.5	3.6	1.77	5.4	3.6	1.87	5.3	3.5	1.90	5.2	3.5	1.96	5.1	3.4	2.06
	24.0	32.0	5.8	3.7	1.70	5.7	3.7	1.80	5.5	3.6	1.89	5.5	3.6	1.93	5.4	3.5	1.99	5.2	3.5	2.08
60	14.0	20.0	5.8	4.6	1.84	5.6	4.6	1.94	5.5	4.5	2.03	5.4	4.5	2.07	5.3	4.4	2.13	5.2	4.3	2.22
	16.0	22.0	5.9	4.7	1.87	5.8	4.6	1.96	5.6	4.5	2.06	5.6	4.5	2.10	5.5	4.5	2.15	5.3	4.4	2.25
	18.0	25.0	6.1	4.7	1.89	5.9	4.6	1.99	5.8	4.6	2.08	5.7	4.5	2.12	5.6	4.5	2.18	5.5	4.4	2.27
	19.0	27.0	6.2	4.7	1.91	6.0	4.6	2.00	5.9	4.6	2.10	5.8	4.5	2.13	5.7	4.5	2.19	5.6	4.4	2.29
	22.0	30.0	6.4	4.8	1.95	6.2	4.7	2.04	6.1	4.6	2.14	6.0	4;6	2.17	5.9	4.6	2.23	5.8	4.5	2.33
	24.0	32.0	6.5	4.8	1.97	6.4	4.7	2.07	6.2	4.7	2.16	6.2	4.6	2.20	6.1	4.6	2.26	5.9	4.5	2.35

3TW25112-1

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 capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. Shows nominal cooling capacities and power input
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m^3/min) x (1-BF) x (DB-EDB)/860
   Add SHC* to SHC.
4. Direct interpolation is permissible.
   Do not extrapolate.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FCQ
35	AFR	11.5
	BF	0.15
50	AFR	14
	BF	0.15
60	AFR	19
	BF	0.11

3 Capacity tables

RXS+FBQ35-60B

Heating capacity **230V [50Hz]**

Outdoor	Indoor	Outdoor temperature (°C)											
	EDB	-15		-10		-5		0		6		10	
	(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
35	16.0	-	-	2.4	0.93	2.9	1.01	3.5	1.10	4.1	1.19	4.6	1.25
	18.0	-	-	2.3	0.98	2.9	1.06	3.5	1.14	4.1	1.24	4.6	1.30
	20.0	-	-	2.3	1.02	2.9	1.11	3.4	1.18	4.1	1.28	4.6	1.35
	21.0	-	-	2.3	1.05	2.9	1.13	3.4	1.20	4.1	1.30	4.5	1.37
	22.0	-	-	2.3	1.07	2.9	1.15	3.4	1.23	4.1	1.32	4.5	1.39
	24.0	-	-	2.3	1.12	2.8	1.19	3.4	1,28	4.1	1.37	4.5	1.43
50	16.0	3.0	1.35	3.7	1.44	4.5	1.53	5.2	1.63	6.1	1.74	6.6	1.81
	18.0	3.0	1.41	3.7	1.51	4.4	1.60	5.2	1.69	6.0	1.81	6.6	1.88
	20.0	3.0	1.48	3.7	1.57	4.4	1.67	5.1	1.76	6.0	1.87	6.6	1.95
	21.0	2.9	1.51	3.7	1.61	4,4	1.70	5.1	1.80	6.0	1.91	6.6	1.98
	22.0	2,9	1.55	3.6	1.64	4.4	1.74	5.1	1.83	6.0	1.94	6.6	2.02
	24.0	2.9	1.62	3.6	1.71	4.3	1.80	5.1	1.90	5.9	2.01	6.5	2.08
60	16.0	3.5	1.80	4.4	1.92	5.2	2.05	6.1	2.17	7.1	2.32	7.7	2.42
	18.0	3.5	1.89	4.3	2.01	5.2	2.14	6.0	2.26	7.0	2.41	7.7	2.51
	20.0	3.4	1.98	4.3	2.10	5.1	2.23	6.0	2.35	7.0	2.50	7.7	2.60
	21.0	3.4	2.02	4.3	2.15	5.1	2.27	6.0	2.40	7.0	2,55	7.7	2.65
	22.0	3.4	2.07	4.3	2.19	5.1	2.32	5.9	2.44	7.0	2.59	7.6	2.69
	24.0	3.4	2.16	4.2	2.28	5.1	2.41	5.9	2.53	6.9	2.68	7.6	2.78

3TW25112-2

SYMBOLS

AFR:	Air flow rate	(m^3/min)
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*	Dry bulb temp.	(°CDB)
TC:	Total capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

NOTES

1. Ratings shown are net capacities.
   Influence of fan motor heat is included.
2. ▭ Shows nominal cooling capacities and power input
3. Direct interpolation is permissible.
   Do not extrapolate.
4. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
5. Air flow rate and BF are tabulated below.

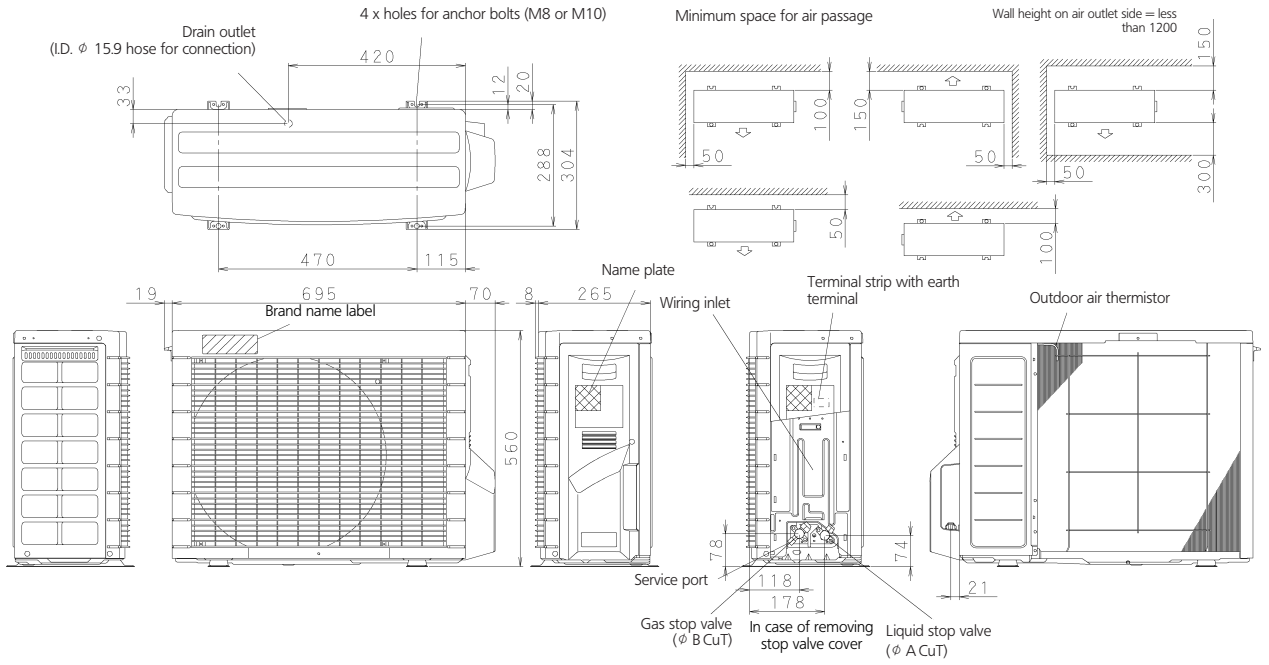
Model	FCQ
35	11.5
50	14
60	19

4 Dimensional drawings

4

RXS25,35

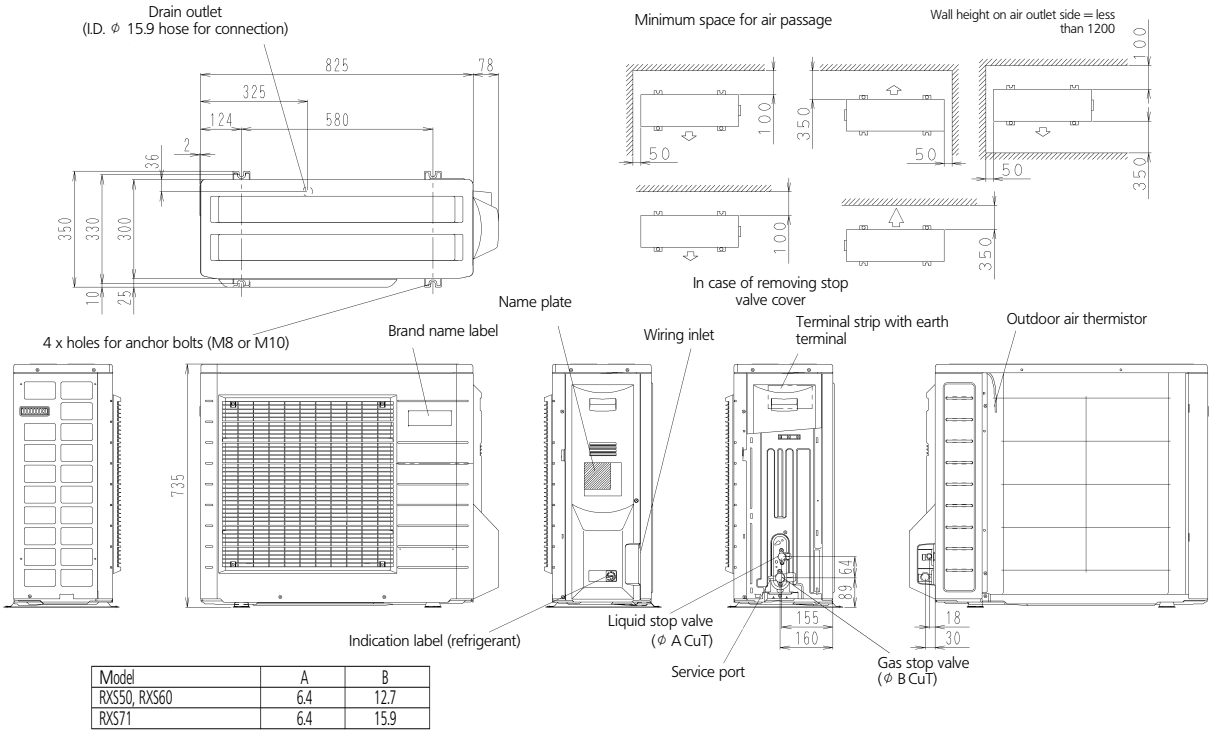
unit (mm)



3D038641A

RXS50,60,71

unit (mm)

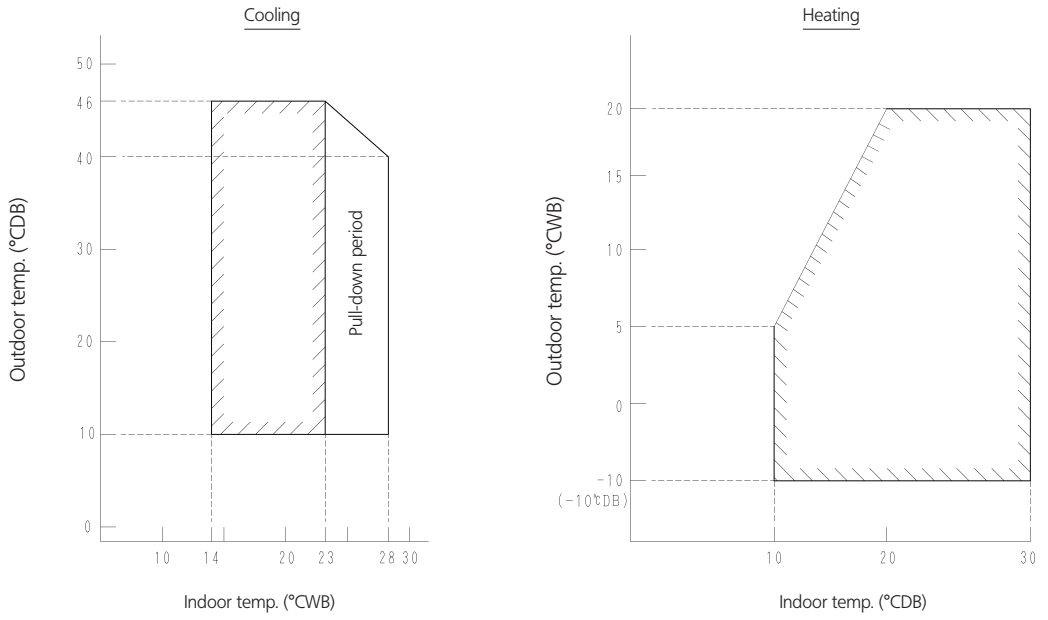


Model	A	B
RXS50, RXS60	6.4	12.7
RXS71	6.4	15.9

3D034257B

5 Operation range

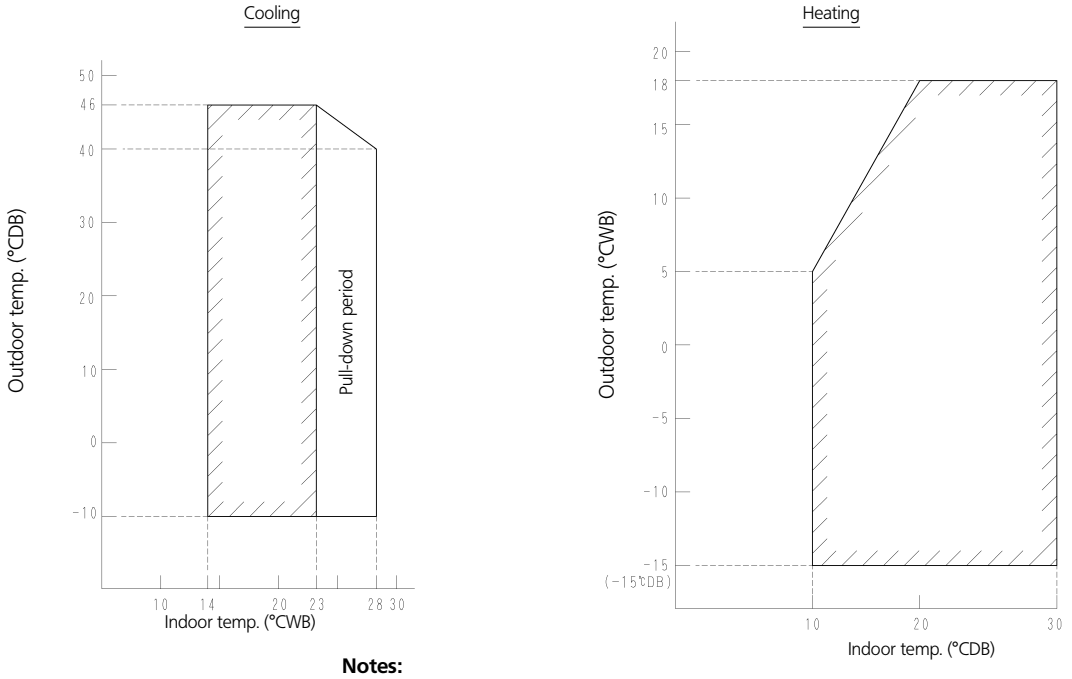
RXS25,35



Notes:
The graphs are based on the following conditions:
- Equivalent piping length 7.5 m
- Level difference 0 m
- Air flow rate high

3D039535

RXS50,60,71

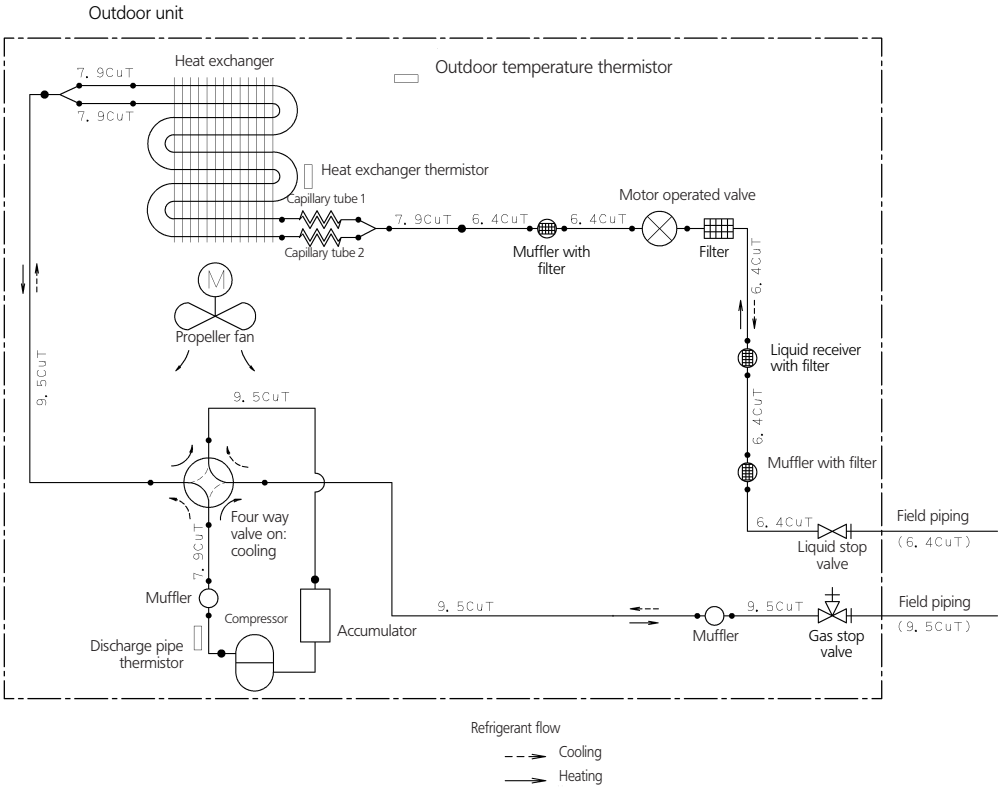


Notes:
The graphs are based on the following conditions:
- Equivalent piping length 7.5 m
- Level difference 0 m
- Air flow rate high

3D028318C

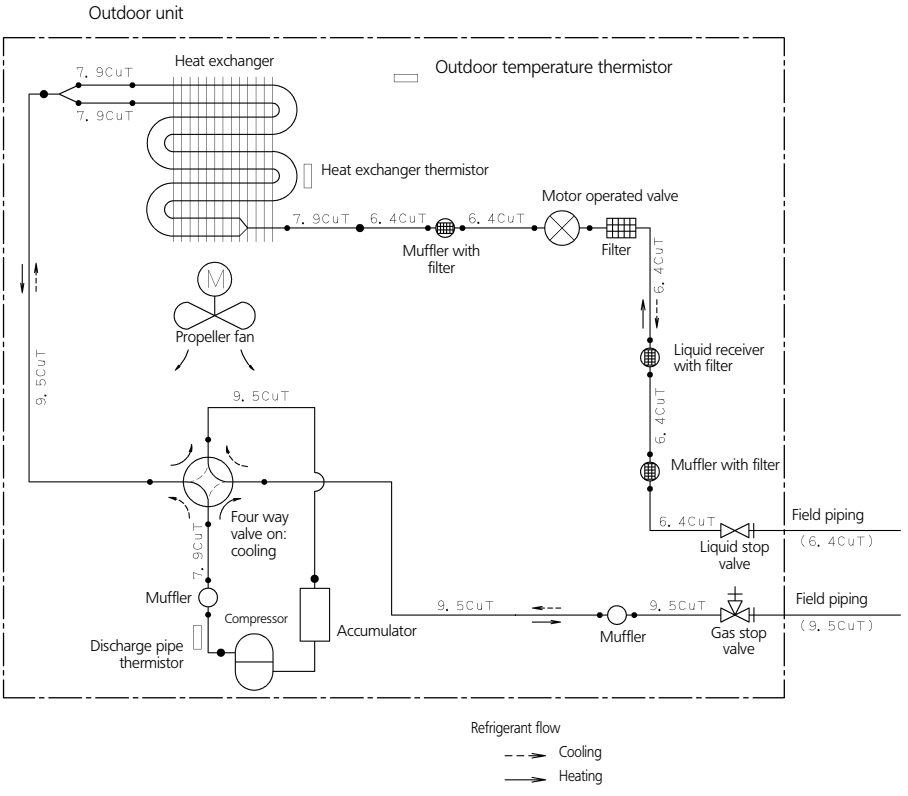
6 Piping diagrams

RXS25



3D039301

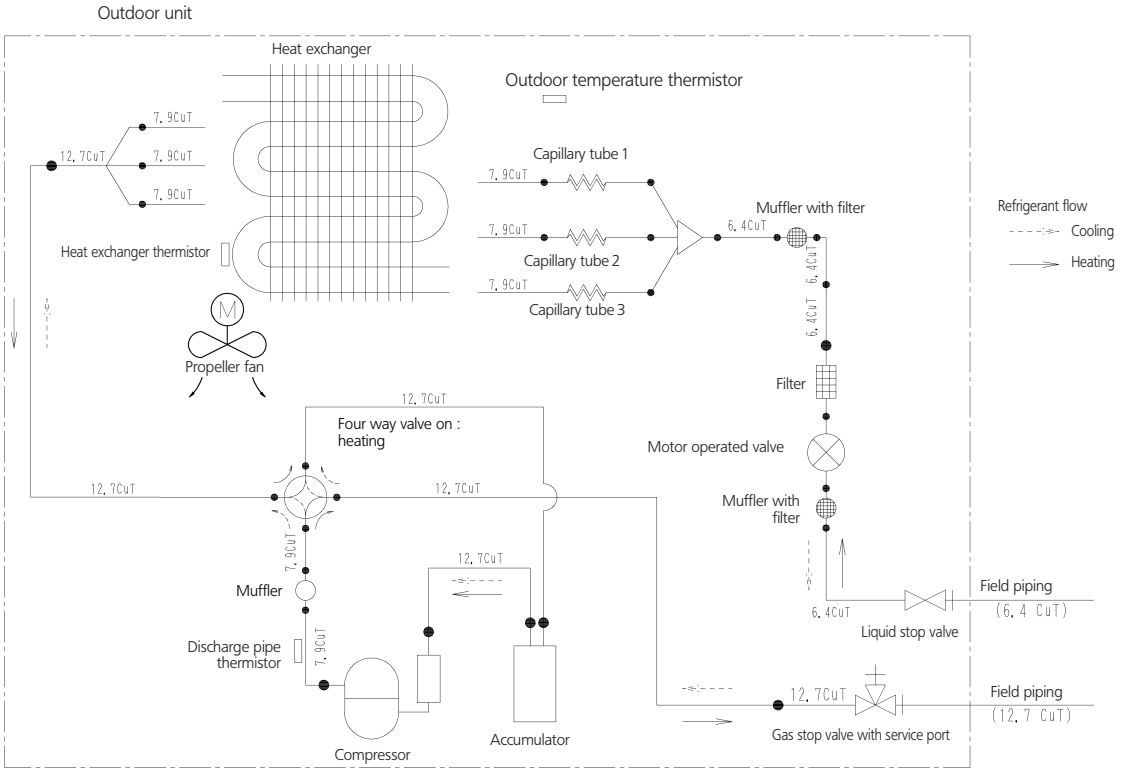
RXS35



3D039302

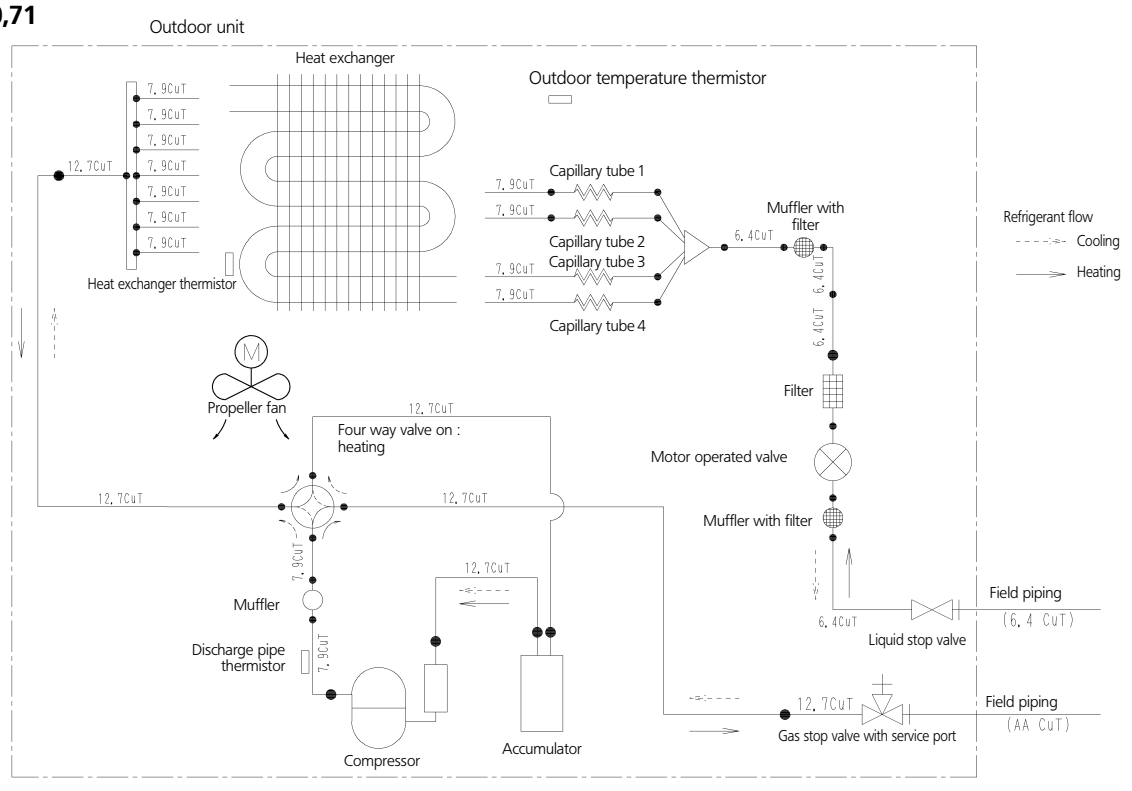
6 Piping diagrams

RXS50



3D034262C

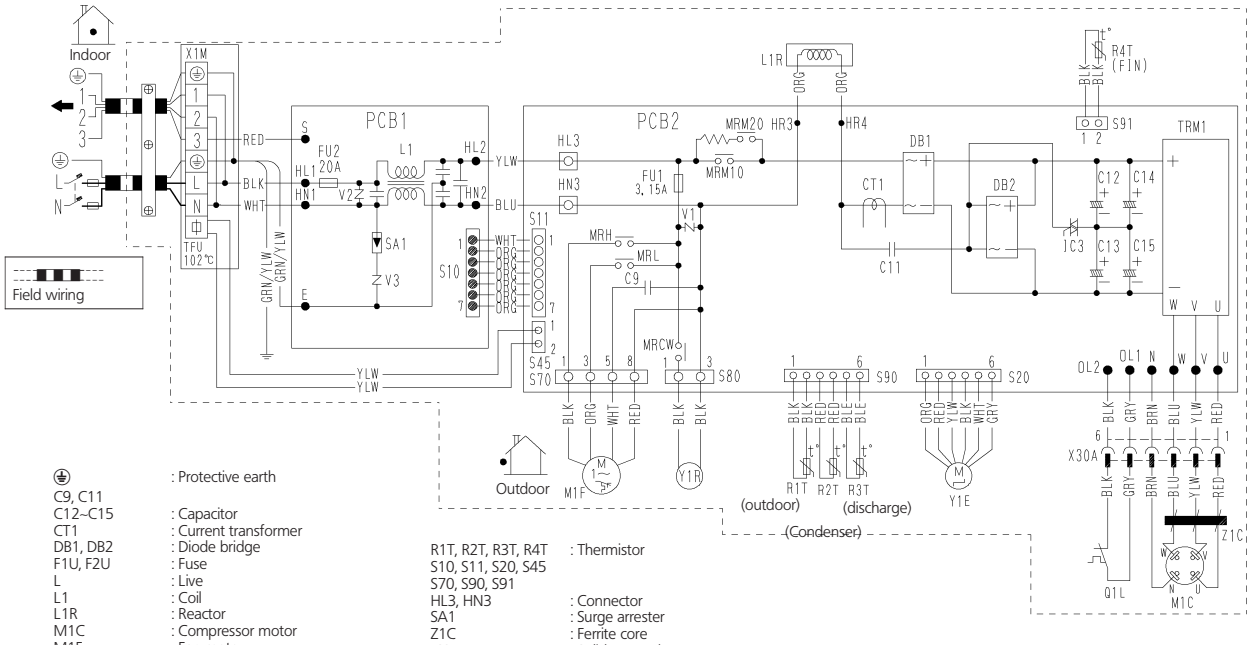
RXS60,71



3D034263C

7 Wiring diagrams

RXS25,35

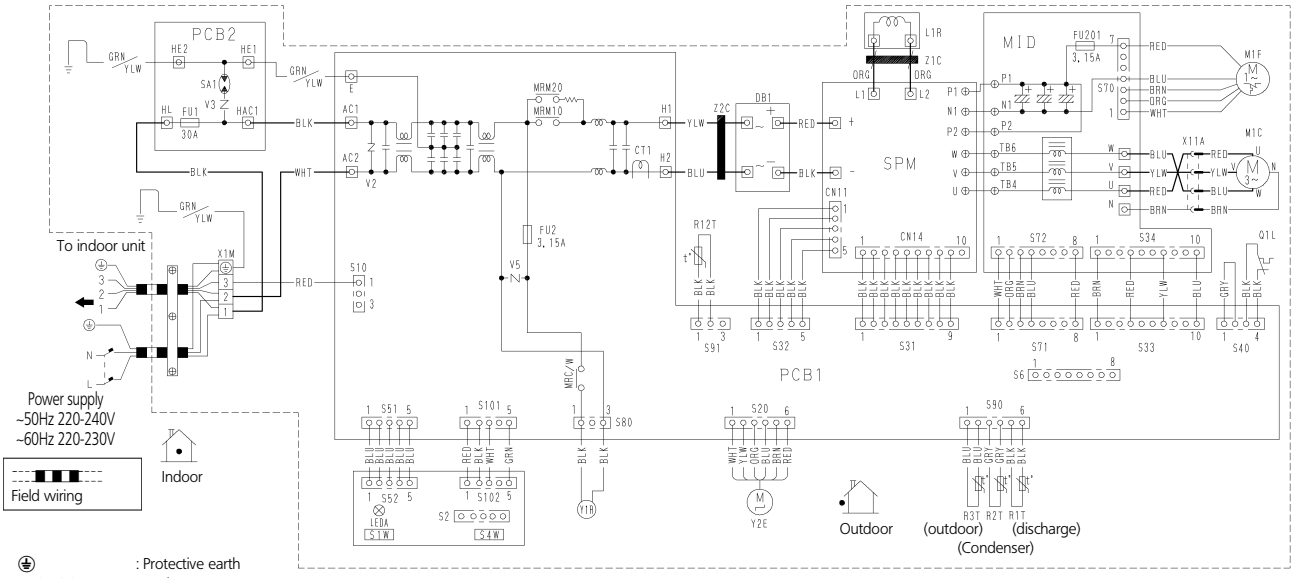


⏚	: Protective earth
C9, C11	
C12~C15	: Capacitor
CT1	: Current transformer
DB1, DB2	: Diode bridge
F1U, F2U	: Fuse
L	: Live
L1	: Coil
L1R	: Reactor
M1C	: Compressor motor
M1F	: Fan motor
PCB1	: Printed circuit board
MRH, MRL, MRM10, MRM20	: Magnetic relay
N	: Neutral
PCB2	: Printed circuit board
Q1L	: Overload protector

R1T, R2T, R3T, R4T	: Thermistor
S10, S11, S20, S45	
S70, S90, S91	
HL3, HN3	: Connector
SA1	: Surge arrester
Z1C	: Ferrite core
IC3	: Solid state relay
TFU	: Thermal fuse
TRM1	: Transistor module
V1, V2, V3	: Varistor
Y1E	: Electronic expansion valve coil
Y1R	: Reversing solenoide valve coil

3D038015A

RXS50,60,71



⏚	: Protective earth
Z1C, Z2C	: Ferrite core
X1M	: Terminal strip
Y2E	: Electronic expansion valve coil
V2~V5	: Varistor
F1U, F2U, FU201	: Fuse
HE1, HE2, HAC1, E, AC1, AC2	
H1, H2, HL	
L1, L2, X11A	: Connector
MRM10, MRM20, MRC/W	: Magnetic relay
R1T~R3T	: Thermistor

S2~S102	: Connector
LEDA	: Pilot lamp
PCB1, PCB2	: Printed circuit board
L	: Live
N	: Neutral
S1W	: Forced operation on/off switch
S4W	: Local setting
SA1	: Surge arrester
DB1	: Diode bridge
Y1R	: Reversing solenoide valve coil
M1C	: Compressor motor
M1F	: Fan motor

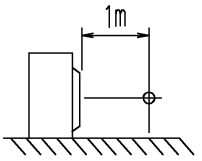
L1R	: Reactor
Q1L	: Overload protector
CT1	: Current transformer
MID	: Molded interconnect device
SPM	: System power module

3D037854D

8 Sound level

8-1 Sound level data

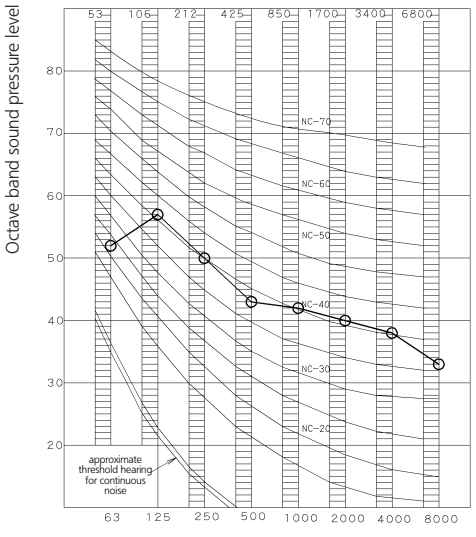
Heat pump

Model	Sound pressure level		Measuring location	Sound power level (cooling/heating)
	230V, 50Hz			
	Cooling/Heating			
	H	L		
RXS25B	46/47	43/44		59/*
RXS35B	47/48	44/45		60/*
RXS50B	47/48	*/*		63/64
RXS60B	49/49	*/*		64/64
RXS71B	52/52	*/*		66/66

* This information was not available at the time of publication.

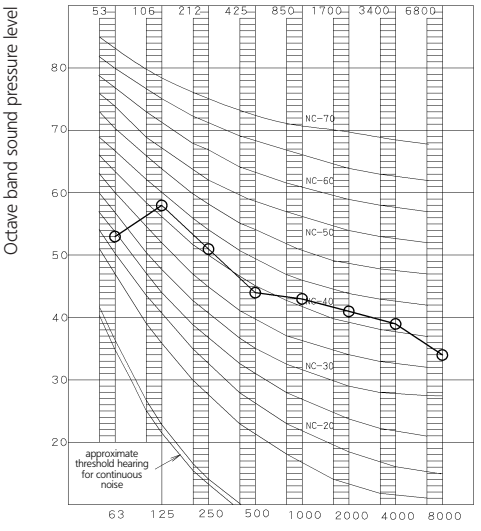
8-2 Sound pressure spectrum

RXS25B (Cooling)



3D013514E

RXS25B (Heating)



3D013514E

Legend

50/60Hz, 220-240/220-230V

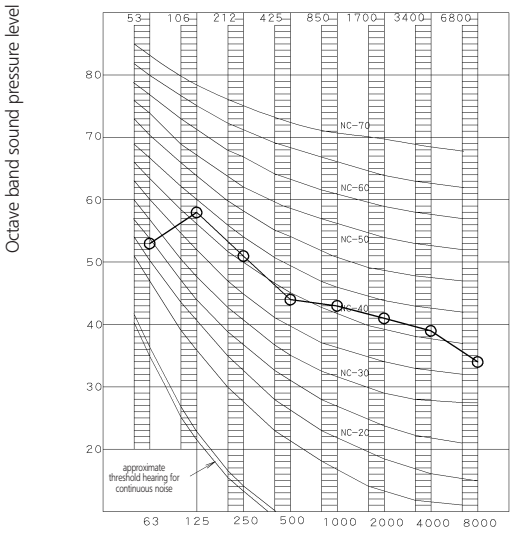
NOTES

1 Operation sound is measured in an anechoic chamber.
2 Operation sound level differs with operation and ambient conditions.
3 Reference acoustic pressure 0dB = 20μPa

8 Sound level

8-2 Sound pressure spectrum

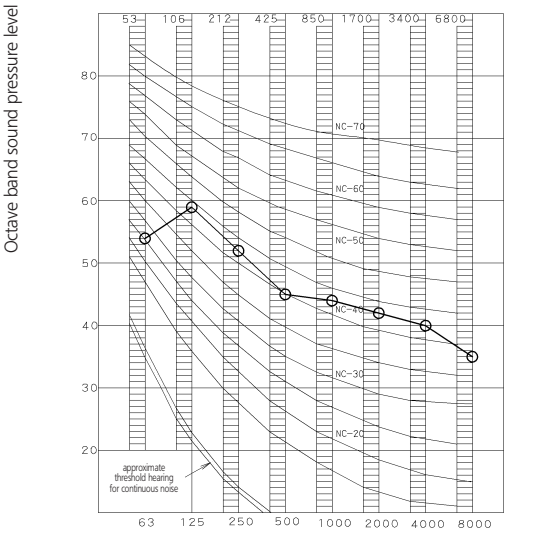
RXS35B (Cooling)



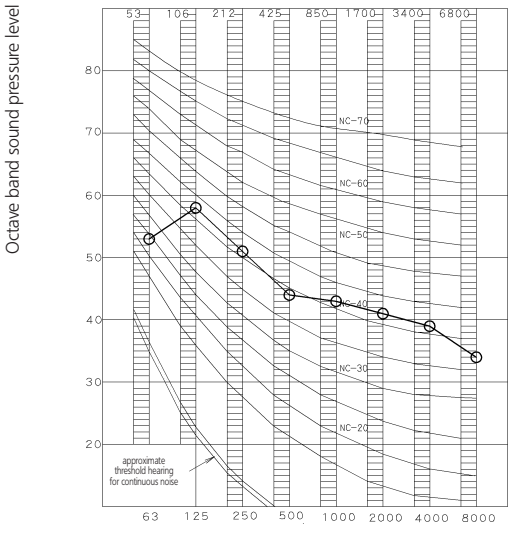
Legend

50Hz, 230V (H)

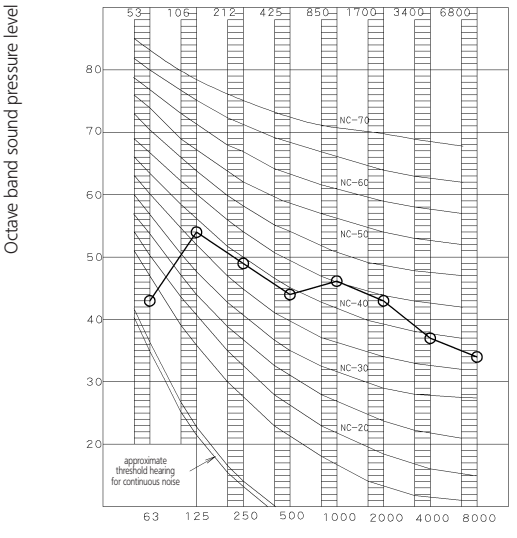
RXS35B (Heating)



RXS50B (Cooling)



RXS50B (Heating)



Legend

50/60Hz, 220-240/220-230V

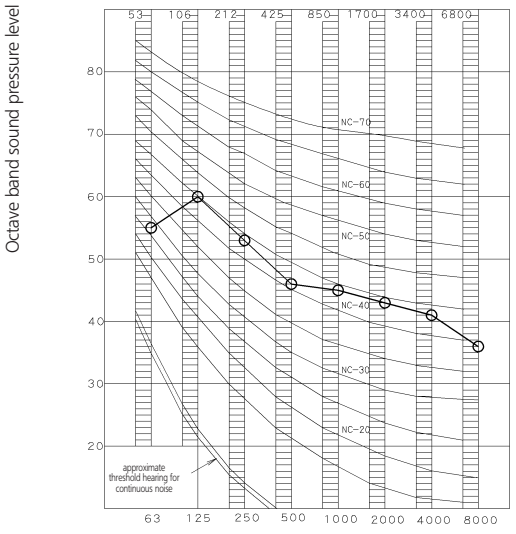
NOTES

1 Operation sound is measured in an anechoic chamber.
2 Operation sound level differs with operation and ambient conditions.
3 Reference acoustic pressure 0dB = 20μPa

8 Sound level

8-2 Sound pressure spectrum

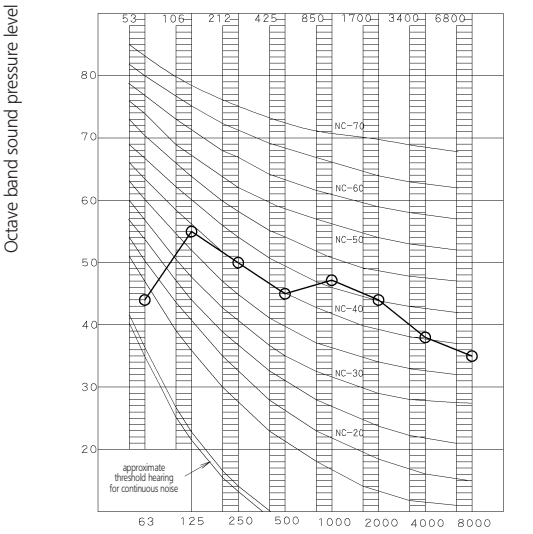
RXS60B (Cooling)



3D035059A

Octave band center frequency (Hz)

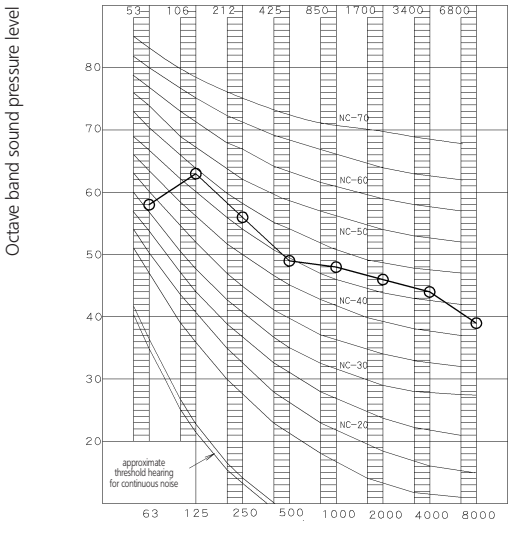
RXS60B (Heating)



3D035059A

Octave band center frequency (Hz)

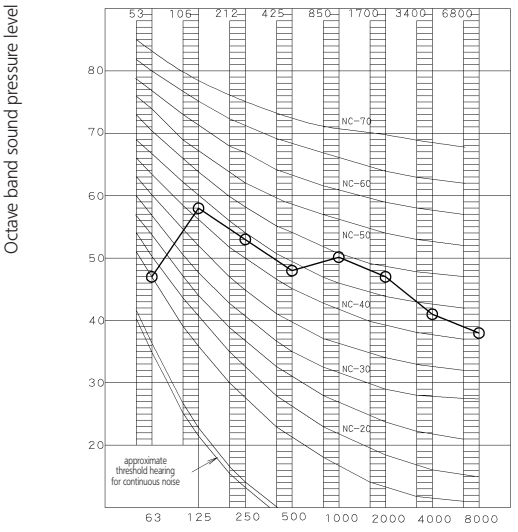
RXS71B (Cooling)



3D027647C

Octave band center frequency (Hz)

RXS71B (Heating)



3D027647C

Octave band center frequency (Hz)

Legend

50/60Hz, 220-240/220-230V

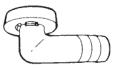
NOTES

1 Operation sound is measured in an anechoic chamber.
2 Operation sound level differs with operation and ambient conditions.
3 Reference acoustic pressure 0dB = 20μPa

9 Accessories

9-1 Standard accessories

RXS-B

Accessories supplied with the outdoor unit:			
(A) Installation manual	1	(B) Drain plug (Heat pump models)  There is on the bottom packing case.	1

9-2 Optional accessories

RXS-B

	RXS25BVMB	RXS35BVMB	RXS50BVMB	RXS60BVMB	RXS71BVMB
Air direction adjustment grille	KPW937A4		KPW945A4		

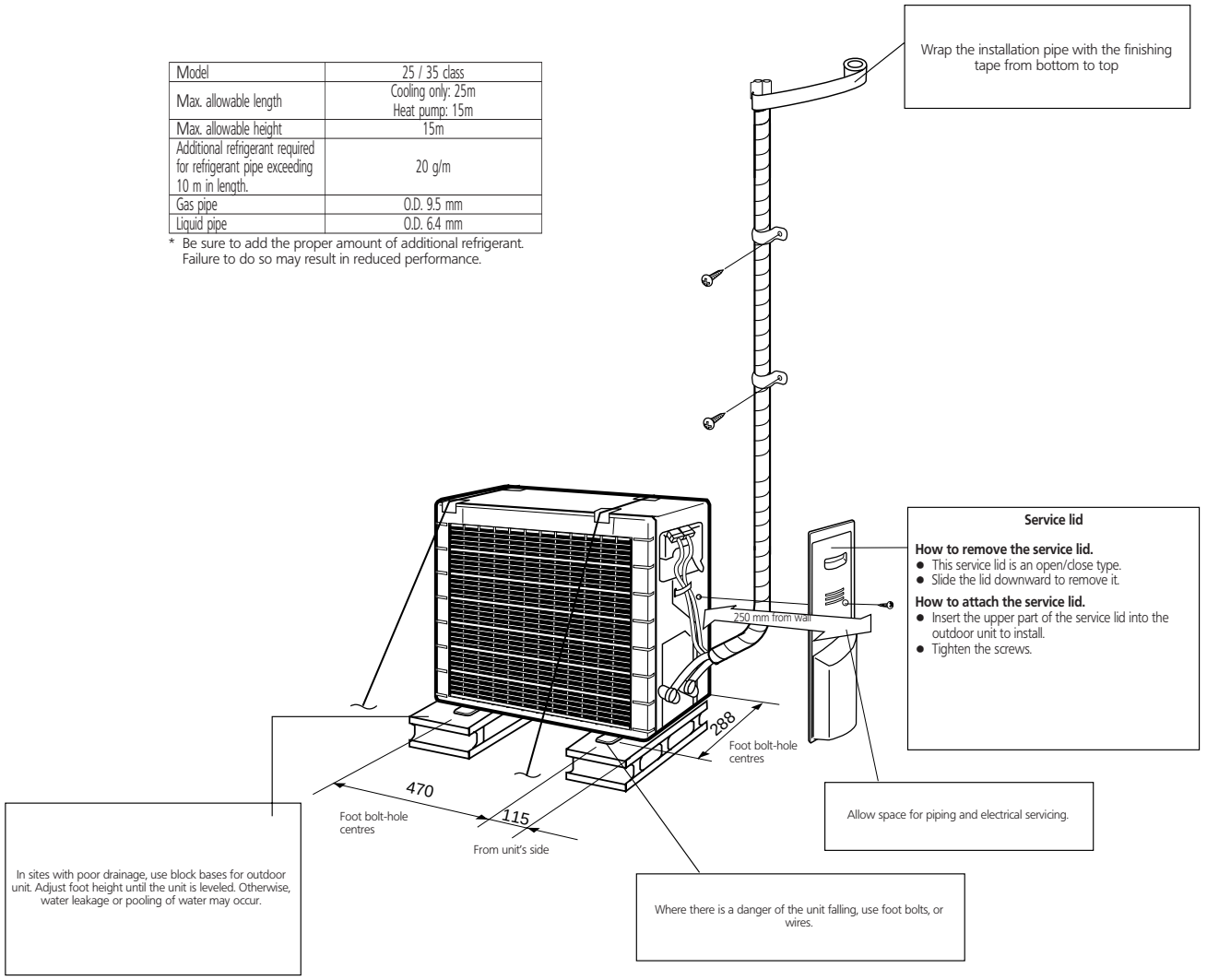
10 Installation

RXS25,35

Outdoor unit installation drawings

Model	25 / 35 class
Max. allowable length	Cooling only: 25m Heat pump: 15m
Max. allowable height	15m
Additional refrigerant required for refrigerant pipe exceeding 10 m in length.	20 g/m
Gas pipe	O.D. 9.5 mm
Liquid pipe	O.D. 6.4 mm

* Be sure to add the proper amount of additional refrigerant. Failure to do so may result in reduced performance.



10 Installation

RXS50,60,71

Outdoor unit installation drawings

Model	50 class	60 class	71 class
Max. allowable length	30m		
Max. allowable height	20m		
Additional refrigerant required for refrigerant pipe exceeding 10 m in length.	20 g/m		
Gas pipe	O.D. 12.7 mm		O.D. 9.5 mm
Liquid pipe	O.D. 6.4 mm		

* Be sure to add the proper amount of additional refrigerant. Failure to do so may result in reduced performance.