



technical data

RKS-D



**Pair Application, Inverter
Controlled Unit**



air conditioning systems

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. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory.

Specifications are subject to change without prior notice.

DAIKIN EUROPE N.V.

Zandvoordestraat 300
B - 8400 Ostend Belgium
www.daikineurope.com

TABLE OF CONTENTS

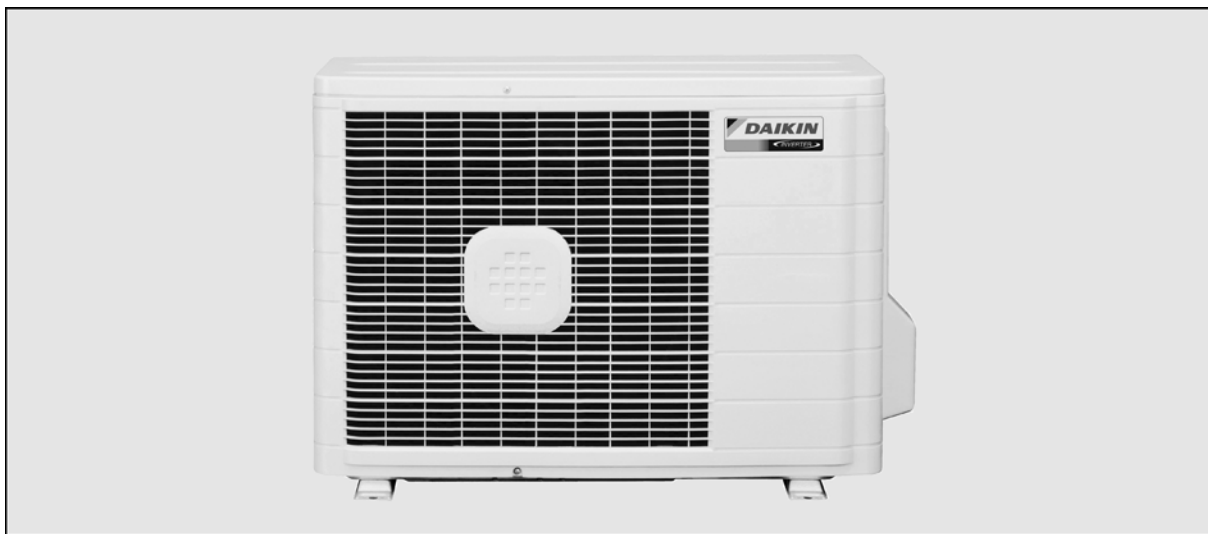
RKS-DVMB

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Electrical data	5
4	Capacity tables	9
	Cooling capacity tables	9
5	Dimensional drawing & centre of gravity	22
	Dimensional drawing	22
	Centre of gravity	23
6	Piping diagram	24
7	Wiring diagram	25
8	Sound data	26
	Sound pressure spectrum	26
9	Operation range	27

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.
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- Outdoor unit silent operation: "Silent" button on the remote control lowers the operation sound of the outdoor unit by 3dB(A).



2 Specifications

2-1 TECHNICAL SPECIFICATIONS				RKS20DVMB	RKS25DVMB	RKS35DVMB
Casing	Colour			Ivory White		
Dimensions	Packing	Height	mm	589	589	589
		Width	mm	882	882	882
		Depth	mm	363	363	363
	Unit	Height	mm	550	550	550
		Width	mm	765	765	765
		Depth	mm	285	285	285
Weight	Machine Weight		kg	30	30	32
	Gross Weight		kg	35	35	38
Heat Exchanger	Dimensions	Length	mm	828	828	805
		Nr of Rows		1	1	2
		Fin Pitch	mm	1.40	1.40	1.40
		Nr of Passes		1.8	1.8	3.1
		Nr of Stages		24	24	24
	Tube type			Hi-Xa(7)		
	Fin	Type		WF fin	WH fin	WF fin
		Treatment		Anti-corrosion treatment (PE)		
Fan	Type			Propeller		
	Air Flow Rate (nominal)	Cooling	m ³ /min	36.2	36.2	33.5
		Heating	m ³ /min	25.7		
	Motor	Quantity		1	1	1
		Model		D23B-28		
Motor	Speed (nominal at 230V)	Cooling	rpm	860	860	860
Fan	Motor	Output	W	31	31	31
Compressor	Quantity			1	1	1
	Motor	Model		1YC23NXD#A		
		Type		Hermetically sealed swing compressor		
		Motor Output	W	600	600	600
Operation Range	Cooling	Min	°CDB	-10.0	-10.0	-10.0
		Max	°CDB	46.0	46.0	46.0
Sound Level (nominal)	Cooling	Sound Power	dBA	61.0	61.0	62.0
		Sound Pressure	dBA	46.0	46.0	47.0
Refrigerant	Type			R-410A		
	Charge		kg	0.80	0.80	1.00
	Control			Motor operated expansion valve		
Refrigerant Oil	Type			FVC50K		
	Charged Volume		l	0.4	0.4	0.4
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.35	6.35	6.35
	Gas	Diameter (OD)	mm	9.5	9.5	9.5
	Drain	Diameter (OD)	mm	18	18	18
	Piping Length	Maximum	m	20	20	20
	Additional Refrigerant Charge		kg/m	0.02>10	0.02>10	0.02>10
	Max. internunit level difference		m	15.0	15.0	15.0
	Heat Insulation			Both liquid and gas pipes		
Standard Accessories	Item			Installation manual		
	Quantity			1	1	1

2 Specifications

2

2-2 ELECTRICAL SPECIFICATIONS				RKS20DVMB	RKS25DVMB	RKS35DVMB
Power Supply	Name			VM	VM	VM
	Phase			1	1	1
	Frequency	Hz		50/60		
	Voltage	V		220-240/220-230		
Current	Nominal running current (RLA)	Cooling (A)	A	2.54	3.64	4.62
Voltage range	Minimum	V		207	207	207
	Maximum	V		253	253	253
Wiring connections	For Power Supply	Quantity		3	3	3
	For connection with indoor	Quantity		4	4	4
		Remark		included earth wiring		
Power Supply Intake				Outdoor unit only		

NOTES

- Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m, level difference : 0m.
- Sound levels are measured in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to sound level drawings of this chapter.
- The sound power level is an absolute value indicating the power which a sound source generates.

3 Electrical data

3

RKS20D-FTKS

Unit combination		Power supply				Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTKS20DVMW FTKS20DVML	RKS20DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	37	2.2	0.031	0.20	0.038	0.14

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]
kW: Fan Motor Rated Output [kW]
RHz: Rated Operating Frequency [Hz]

NOTES

- 1 RLA based on the following conditions:
Indoor temp. 27°CDB/19°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.
- 5 For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button. Finally, click on the document title of your choice.

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RKS25D-FTKS

Unit combination		Power supply				Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTKS25DVMW FTKS25DVML	RKS25DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	52	3.3	0.031	0.20	0.038	0.14

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]
kW: Fan Motor Rated Output [kW]
RHz: Rated Operating Frequency [Hz]

NOTES

- 1 RLA based on the following conditions:
Indoor temp. 27°CDB/19°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.
- 5 For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button. Finally, click on the document title of your choice.

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5

3 Electrical data

3

RKS25D-FV-LKS

Unit combination		Power supply				Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FVKS25BVMB	RKS25DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	49	3.3	0.031	0.20	0.028	0.16
FLKS25BVMB	RKS25DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	53	3.8	0.031	0.20	0.034	0.34

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]
kW: Fan Motor Rated Output [kW]
RHz: Rated Operating Frequency [Hz]

NOTES

- 1 RLA based on the following conditions:
Indoor temp. 27°CDB/19°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.
- 5 For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button. Finally, click on the document title of your choice.

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RKS25,35D-FDKS

Unit combination		Power supply				Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FDKS25CVMB	RKS25DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	54	4.1	0.037	0.17	0.062	0.60
FDKS35CVMB	RKS35DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	90	5.5	0.037	0.17	0.062	0.60

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]
kW: Fan Motor Rated Output [kW]
RHz: Rated Operating Frequency [Hz]

NOTES

- 1 RLA based on the following conditions:
Indoor temp. 27°CDB/19°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.
- 5 For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button. Finally, click on the document title of your choice.

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3 Electrical data

RKS25,35D - F FQ/FHQ

3

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FFQ25BV1B	RKS25DVMB	50-230	Max. 50Hz 253V Min. 50Hz 207V	12	16	54	4.1	0.0374	0.17	0.055	0.6
FFQ35BV1B	RKS35DVMB					81	5.5				
FHQ35BUV1B	RKS35DVMB					79	5.1			0.062	

SYMBOLS

MCA Min. circuit amps [A]
 MFA Max. fuse amps [A]
 LRA Locked rotor amps [A]
 RLA Rated rotor amps [A]
 OFM Outdoor fan motor
 IFM Indoor fan motor
 FLA Full load amps [A]
 kW Fan motor rated output [kW]
 RHz Rated operating frequency [Hz]

NOTES

- 1 RLA is based on the following conditions:
Indoor temperature 27°CDB/19°CWB
Outdoor temperature 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA or TOCA
- 4 Instead of fuse, use circuit breaker.
- 5 For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button. Finally, click on the document title of your choice.

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3 Electrical data

3

RKS35D-FTKS

Unit combination		Power supply				Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTKS35DVMW FTKS35DVML	RKS35DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	76	4.3	0.035	0.22	0.038	0.14

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]
kW: Fan Motor Rated Output [kW]
RHz: Rated Operating Frequency [Hz]

NOTES

- 1 RLA based on the following conditions:
Indoor temp. 27°CDB/19°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.
- 5 For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button. Finally, click on the document title of your choice.

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RKS35D-FV-LKS

Unit combination		Power supply				Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FVKS35BVMB	RKS35DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	78	4.5	0.035	0.22	0.028	0.16
FLKS35BVMB	RKS35DVMB	50-230	Max. 50Hz - 253V Min. 50 Hz - 207V	12	16	81	4.8	0.035	0.22	0.034	0.38

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]
kW: Fan Motor Rated Output [kW]
RHz: Rated Operating Frequency [Hz]

NOTES

- 1 RLA based on the following conditions:
Indoor temp. 27°CDB/19°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.
- 5 For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button. Finally, click on the document title of your choice.

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4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS20D-FTKS

Cooling capacity (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.05	1.70	0.38	1.96	1.66	0.41	1.86	1.62	0.45	1.83	1.60	0.46	1.77	1.57	0.48	1.68	1.53	0.52
16.0	22.0	2.14	1.68	0.38	2.05	1.63	0.41	1.95	1.59	0.45	1.92	1.58	0.47	1.86	1.55	0.49	1.77	1.51	0.52
18.0	25.0	2.23	1.78	0.38	2.14	1.74	0.42	2.05	1.71	0.45	2.01	1.69	0.47	1.95	1.67	0.49	1.86	1.63	0.53
19.0	27.0	2.28	1.90	0.38	2.19	1.87	0.42	2.09	1.83	0.45	2.06	1.82	0.47	2.00	1.79	0.49	1.91	1.76	0.53
22.0	30.0	2.42	1.84	0.38	2.32	1.81	0.42	2.23	1.78	0.46	2.19	1.77	0.47	2.14	1.75	0.49	2.05	1.72	0.53
24.0	32.0	2.51	1.80	0.39	2.42	1.77	0.42	2.32	1.75	0.46	2.29	1.73	0.47	2.23	1.72	0.50	2.14	1.69	0.53

SYMBOLS

AFR: Air flow rate [m³/min.]
 BF: Bypass factor
 EWB: Entering wet bulb temp. [°CWB]
 EDB: Entering dry bulb temp. [°CDB]
 TC: Total capacity cooling [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- | |
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 shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 SHC1 for any indoor dry-bulb temperatures (EDB1) shall be calculated by the following formula.

$$SHC^* = \text{correction value of SHC matched with the differential of EDB and EDB1.}$$

$$= 0.02 \times AFR [m^3/min.] \times (1-BF) \times (EDB1-EDB)$$
 The calculation value of SHC1 = SHC + SHC*
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 7.5m
 Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

	FI
	Cooling
AFR	8.7
BF	0.21

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4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS25D-FTKS

Cooling capacity (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.56	1.93	0.53	2.44	1.87	0.58	2.33	1.82	0.63	2.28	1.79	0.65	2.21	1.76	0.68	2.10	1.70	0.73
16.0	22.0	2.68	1.90	0.53	2.56	1.84	0.58	2.44	1.79	0.63	2.40	1.77	0.65	2.33	1.74	0.68	2.21	1.69	0.73
18.0	25.0	2.79	1.99	0.53	2.68	1.94	0.58	2.56	1.89	0.63	2.51	1.87	0.65	2.44	1.84	0.68	2.33	1.80	0.73
19.0	27.0	2.85	2.11	0.53	2.73	2.06	0.58	2.62	2.01	0.63	2.57	1.99	0.65	2.50	1.96	0.69	2.38	1.92	0.74
22.0	30.0	3.02	2.03	0.54	2.91	1.99	0.59	2.79	1.95	0.64	2.74	1.93	0.66	2.67	1.91	0.69	2.56	1.86	0.74
24.0	32.0	3.14	1.98	0.54	3.02	1.94	0.59	2.90	1.90	0.64	2.86	1.89	0.66	2.79	1.86	0.69	2.67	1.83	0.74

SYMBOLS

AFR: Air flow rate [m³/min.]
 BF: Bypass factor
 EWB: Entering wet bulb temp. [°CWB]
 EDB: Entering dry bulb temp. [°CDB]
 TC: Total capacity cooling [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- | |
|--|
| |
|--|

 shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 SHC1 for any indoor dry-bulb temperatures (EDB1) shall be calculated by the following formula.
 SHC*
 = correction value of SHC matched with the differential of EDB and EDB1.
 = 0.02 x AFR [m³/min.] x (1-BF) x (EDB1-EDB)
 The calculation value of SHC1 = SHC + SHC*
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 7.5m
 Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

	FI
	Cooling
AFR	8.7
BF	0.24

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4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS25D-FVKS

Cooling capacity (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.56	1.85	0.53	2.44	1.79	0.58	2.33	1.73	0.64	2.28	1.70	0.66	2.21	1.67	0.69	2.10	1.61	0.74
16.0	22.0	2.68	1.81	0.54	2.56	1.76	0.59	2.44	1.70	0.64	2.40	1.68	0.66	2.33	1.65	0.69	2.21	1.59	0.74
18.0	25.0	2.79	1.89	0.54	2.68	1.84	0.59	2.56	1.79	0.64	2.51	1.77	0.66	2.44	1.74	0.69	2.33	1.68	0.74
19.0	27.0	2.85	1.99	0.54	2.73	1.93	0.59	2.62	1.88	0.64	2.57	1.87	0.66	2.50	1.84	0.70	2.38	1.79	0.75
22.0	30.0	3.02	1.91	0.55	2.91	1.87	0.60	2.79	1.82	0.65	2.74	1.81	0.67	2.67	1.78	0.70	2.56	1.74	0.75
24.0	32.0	3.14	1.86	0.55	3.02	1.82	0.60	2.90	1.78	0.65	2.86	1.76	0.67	2.79	1.74	0.70	2.67	1.70	0.75

SYMBOLS

AFR: Air flow rate [m³/min.]
 BF: Bypass factor
 EWB: Entering wet bulb temp. [°CWB]
 EDB: Entering dry bulb temp. [°CDB]
 TC: Total capacity cooling [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- | |
|--|
| |
|--|

 shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 SHC1 for any indoor dry-bulb temperatures (EDB1) shall be calculated by the following formula.

$$SHC^* = \text{correction value of SHC matched with the differential of EDB and EDB1.}$$

$$= 0.02 \times AFR [m³/min.] \times (1-BF) \times (EDB1-EDB)$$
 The calculation value of SHC1 = SHC + SHC*
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 7.5m
 Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

	FI
	Cooling
AFR	8.1
BF	0.29

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4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS25D-FLKS

Cooling capacity (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.52	1.77	0.59	2.44	1.73	0.66	2.33	1.67	0.71	2.28	1.65	0.74	2.21	1.61	0.77	2.10	1.55	0.83
16.0	22.0	2.68	1.76	0.60	2.56	1.71	0.66	2.44	1.65	0.72	2.40	1.63	0.74	2.33	1.59	0.77	2.21	1.54	0.83
18.0	25.0	2.79	1.83	0.61	2.68	1.78	0.66	2.56	1.72	0.72	2.51	1.70	0.74	2.44	1.67	0.78	2.33	1.62	0.84
19.0	27.0	2.85	1.91	0.61	2.73	1.86	0.66	2.62	1.81	0.72	2.57	1.79	0.75	2.50	1.76	0.78	2.38	1.71	0.84
22.0	30.0	3.02	1.84	0.61	2.91	1.79	0.67	2.79	1.75	0.73	2.74	1.73	0.75	2.67	1.70	0.79	2.56	1.66	0.84
24.0	32.0	3.14	1.79	0.62	3.02	1.74	0.67	2.90	1.70	0.73	2.86	1.68	0.75	2.79	1.66	0.79	2.67	1.62	0.85

SYMBOLS

AFR: Air flow rate [m³/min.]
 BF: Bypass factor
 EWB: Entering wet bulb temp. [°CWB]
 EDB: Entering dry bulb temp. [°CDB]
 TC: Total capacity cooling [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
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 shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 SHC1 for any indoor dry-bulb temperatures (EDB1) shall be calculated by the following formula.

$$SHC^* = \text{correction value of SHC matched with the differential of EDB and EDB1.}$$

$$= 0.02 \times AFR [\text{m}^3/\text{min.}] \times (1 - BF) \times (EDB1 - EDB)$$
 The calculation value of SHC1 = SHC + SHC*
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 7.5m
 Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

	FI
	Cooling
AFR	7.6
BF	0.32

3D048351

4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS25D-FFQ

Cooling (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			30			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2.56	1.95	0.64	2.44	1.89	0.70	2.33	1.84	0.76	2.28	1.81	0.78	2.21	1.78	0.82	2.10	1.725	0.88
16	22	2.68	1.92	0.64	2.56	1.86	0.70	2.44	1.81	0.76	2.40	1.79	0.79	2.33	1.76	0.82	2.21	1.71	0.89
18	25	2.79	2.01	0.64	2.68	1.96	0.71	2.56	1.92	0.77	2.51	1.90	0.79	2.44	1.87	0.83	2.33	1.82	0.89
19	27	2.85	2.13	0.65	2.73	2.08	0.71	2.62	2.04	0.77	2.57	2.02	0.79	2.50	1.89	0.83	2.38	1.94	0.89
22	30	3.02	2.06	0.65	2.91	2.02	0.71	2.79	1.97	0.77	2.74	1.96	0.80	2.67	1.93	0.84	2.56	1.89	0.90
24	32	3.14	2.01	0.66	3.02	1.97	0.72	2.90	1.93	0.78	2.86	1.91	0.80	2.79	1.89	0.84	2.67	1.85	0.90

SYMBOLS

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

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 $SHC^* = SHC \text{ correction for other dry bulb.}$
 $= 0.02 * AFR [m³/min.] * (1 - BF) * (DB^* - EDB)$
 Add SHC* to SHC.
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 5 m
 Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

AFR	BF
9.0	0.24

3D048800

4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS35D-FTKS

Cooling capacity (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.31	2.33	0.80	3.31	2.33	0.88	3.17	2.25	0.96	3.10	2.22	0.99	3.01	2.17	1.03	2.85	2.09	1.11
16.0	22.0	3.64	2.38	0.81	3.48	2.30	0.88	3.32	2.22	0.96	3.26	2.19	0.99	3.17	2.14	1.04	3.01	2.07	1.12
18.0	25.0	3.80	2.47	0.81	3.64	2.39	0.89	3.48	2.32	0.97	3.42	2.29	1.00	3.32	2.24	1.04	3.16	2.17	1.12
19.0	27.0	3.87	2.57	0.81	3.72	2.50	0.89	3.56	2.43	0.97	3.49	2.40	1.00	3.40	2.36	1.05	3.24	2.29	1.12
22.0	30.0	4.11	2.47	0.82	3.95	2.41	0.90	3.79	2.35	0.97	3.73	2.32	1.01	3.63	2.28	1.05	3.48	2.22	1.13
24.0	32.0	4.27	2.40	0.82	4.11	2.34	0.90	3.95	2.28	0.98	3.89	2.26	1.01	3.79	2.23	1.06	3.63	2.17	1.13

SYMBOLS

AFR: Air flow rate [m³/min.]
 BF: Bypass factor
 EWB: Entering wet bulb temp. [°CWB]
 EDB: Entering dry bulb temp. [°CDB]
 TC: Total capacity cooling [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
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 shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 SHC1 for any indoor dry-bulb temperatures (EDB1) shall be calculated by the following formula.

$$SHC^* = \text{correction value of SHC matched with the differential of EDB and EDB1.}$$

$$= 0.02 \times AFR [m^3/min.] \times (1-BF) \times (EDB1-EDB)$$
 The calculation value of SHC1 = SHC + SHC*
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 7.5m
 Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

	FI
	Cooling
AFR	8.9
BF	0.24

3D048109

4 Capacity tables

4 - 1 Cooling capacity tables

RKS35D-FVKS


Cooling capacity (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.52	2.48	0.84	3.42	2.43	0.92	3.26	2.34	1.00	3.19	2.31	1.03	3.10	2.26	1.08	2.93	2.17	1.16
16.0	22.0	3.75	2.47	0.84	3.58	2.39	0.92	3.42	2.31	1.00	3.36	2.27	1.03	3.26	2.23	1.08	3.10	2.15	1.16
18.0	25.0	3.91	2.56	0.85	3.75	2.48	0.93	3.58	2.41	1.01	3.52	2.38	1.04	3.42	2.34	1.09	3.26	2.26	1.17
19.0	27.0	3.99	2.68	0.85	3.83	2.60	0.93	3.66	2.53	1.01	3.60	2.50	1.04	3.50	2.46	1.09	3.34	2.39	1.17
22.0	30.0	4.23	2.57	0.86	4.07	2.51	0.94	3.90	2.44	1.02	3.84	2.42	1.05	3.74	2.38	1.10	3.58	2.32	1.18
24.0	32.0	4.39	2.50	0.86	4.23	2.44	0.94	4.07	2.38	1.02	4.00	2.36	1.05	3.90	2.32	1.10	3.74	2.26	1.18

SYMBOLS

AFR: Air flow rate [m³/min.]
 BF: Bypass factor
 EWB: Entering wet bulb temp. [°CWB]
 EDB: Entering dry bulb temp. [°CDB]
 TC: Total capacity cooling [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
-  shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 SHC1 for any indoor dry-bulb temperatures (EDB1) shall be calculated by the following formula.
 SHC*
 = correction value of SHC matched with the differential of EDB and EDB1.
 = 0.02 x AFR [m³/min.] x (1-BF) x (EDB1-EDB)
 The calculation value of SHC1 = SHC + SHC*
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 7.5m
 Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

	FI	
	Cooling	Heating
AFR	8.3	9.2
BF	0.13	

3D048348

4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS35D-FLKS

Cooling capacity (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.72	1.92	0.89	2.72	1.92	0.98	2.72	1.92	1.06	2.72	1.92	1.10	2.72	1.92	1.15	2.72	1.92	1.23
16.0	22.0	3.34	2.14	0.90	3.34	2.14	0.98	3.34	2.14	1.07	3.34	2.14	1.10	3.26	2.10	1.15	3.10	2.01	1.24
18.0	25.0	3.91	2.42	0.90	3.75	2.34	0.99	3.58	2.26	1.07	3.52	2.22	1.11	3.42	2.17	1.16	3.26	2.09	1.24
19.0	27.0	3.99	2.51	0.90	3.83	2.43	0.99	3.66	2.34	1.07	3.60	2.31	1.11	3.50	2.27	1.16	3.34	2.19	1.25
22.0	30.0	4.23	2.40	0.91	4.07	2.33	1.00	3.90	2.26	1.08	3.84	2.23	1.12	3.74	2.19	1.17	3.58	2.12	1.25
24.0	32.0	4.39	2.32	0.92	4.23	2.26	1.00	4.07	2.19	1.09	4.00	2.16	1.12	3.90	2.13	1.17	3.74	2.06	1.26

SYMBOLS

AFR: Air flow rate [m³/min.]
 BF: Bypass factor
 EWB: Entering wet bulb temp. [°CWB]
 EDB: Entering dry bulb temp. [°CDB]
 TC: Total capacity cooling [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
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 shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 SHC1 for any indoor dry-bulb temperatures (EDB1) shall be calculated by the following formula.
 SHC*
 = correction value of SHC matched with the differential of EDB and EDB1.
 = 0.02 x AFR [m³/min.] x (1-BF) x (EDB1-EDB)
 The calculation value of SHC1 = SHC + SHC*
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 7.5m
 Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

	FI
	Cooling
AFR	8.6
BF	0.35

3D048353

4 Capacity tables

4 - 1 Cooling capacity tables

RKS35D-FDKS


Cooling capacity (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.22	2.27	1.00	3.22	2.27	1.09	3.17	2.24	1.19	3.10	2.21	1.23	3.01	2.16	1.29	2.85	2.07	1.38
16.0	22.0	3.64	2.37	1.00	3.48	2.29	1.10	3.32	2.21	1.20	3.26	2.18	1.23	3.17	2.13	1.29	3.01	2.05	1.39
18.0	25.0	3.80	2.45	1.01	3.64	2.37	1.10	3.48	2.30	1.20	3.42	2.27	1.24	3.32	2.23	1.30	3.16	2.15	1.39
19.0	27.0	3.87	2.55	1.01	3.72	2.48	1.11	3.56	2.41	1.20	3.49	2.38	1.24	3.40	2.34	1.30	3.24	2.27	1.40
22.0	30.0	4.11	2.45	1.02	3.95	2.39	1.12	3.79	2.32	1.21	3.73	2.30	1.25	3.63	2.26	1.31	3.48	2.20	1.40
24.0	32.0	4.27	2.38	1.03	4.11	2.32	1.12	3.95	2.26	1.22	3.89	2.24	1.26	3.79	2.20	1.31	3.63	2.15	1.41

SYMBOLS

AFR: Air flow rate [m³/min.]
 BF: Bypass factor
 EWB: Entering wet bulb temp. [°CWB]
 EDB: Entering dry bulb temp. [°CDB]
 TC: Total capacity cooling [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
-  shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 SHC1 for any indoor dry-bulb temperatures (EDB1) shall be calculated by the following formula.

$$SHC^* = SHC \text{ correction for other dry bulb.}$$

$$= 0.02 * AFR (m^3/min.) * (1 - BF) * (DB^* - EDB)$$
 Add SHC* to SHC.
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 5m
 Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

	FI
	Cooling
AFR	8.9
BF	0.257

3D048797

4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS35D-FFQ


Cooling (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			30			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3.48	2.48	1.00	3.33	2.40	1.09	3.17	2.32	1.19	3.10	2.29	1.23	3.01	2.24	1.29	2.85	2.16	1.38
16	22	3.64	2.44	1.00	3.48	2.36	1.10	3.32	2.28	1.20	3.26	2.25	1.23	3.17	2.21	1.29	3.01	2.13	1.39
18	25	3.80	2.54	1.01	3.64	2.46	1.10	3.48	2.39	1.20	3.42	2.36	1.24	3.32	2.32	1.30	3.16	2.25	1.39
19	27	3.87	2.66	1.01	3.72	2.59	1.11	3.56	2.52	1.20	3.49	2.49	1.24	3.40	2.45	1.30	3.24	2.39	1.40
22	30	4.11	2.56	1.02	3.95	2.50	1.12	3.79	2.44	1.21	3.73	2.41	1.25	3.63	2.38	1.31	3.48	2.32	1.40
24	32	4.27	2.49	1.03	4.11	2.43	1.12	3.95	2.37	1.22	3.89	2.35	1.26	3.79	2.32	1.31	3.63	2.26	1.41

SYMBOLS

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

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
-  shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 $SHC^* = SHC \text{ correction for other dry bulb.}$
 $= 0.02 * AFR [m³/min.] * (1 - BF) * (DB^* - EDB)$
 Add SHC^* to SHC.
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 5 m
 Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

AFR	BF
10.0	0.25

3D048796

4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS35D-FHQ

Cooling (50 Hz, 230 V)

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			30			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3.48	2.76	0.93	3.33	2.69	1.02	3.17	2.61	1.11	3.10	2.58	1.14	3.01	2.54	1.20	2.85	2.47	1.29
16	22	3.64	2.72	0.93	3.48	2.65	1.02	3.32	2.58	1.11	3.26	2.55	1.15	3.17	2.51	1.20	3.01	2.44	1.29
18	25	3.80	2.87	0.94	3.64	2.81	1.03	3.48	2.74	1.12	3.42	2.72	1.15	3.32	2.68	1.21	3.16	2.61	1.30
19	27	3.87	3.05	0.94	3.72	2.99	1.03	3.56	2.93	1.12	3.49	2.90	1.16	3.40	2.87	1.21	3.24	2.80	1.30
22	30	4.11	2.95	0.95	3.95	2.90	1.04	3.79	2.84	1.13	3.73	2.82	1.16	3.63	2.79	1.22	3.48	2.73	1.31
24	32	4.27	2.88	0.96	4.11	2.83	1.04	3.95	2.78	1.13	3.89	2.76	1.17	3.79	2.73	1.22	3.63	2.68	1.31

SYMBOLS

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

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation).
- SHC is based on each EWB and EDB.
 $SHC^* = SHC \text{ correction for other dry bulb.}$
 $= 0.02 * AFR [m³/min.] * (1 - BF) * (DB^* - EDB)$
 Add SHC* to SHC.
- Capacities are based on the following conditions.
 Corresponding refrigerant piping length: 7.5 m
 Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

AFR	BF
13.0	0.20

3D048794

4 Capacity tables

4 - 1 Cooling capacity tables

4

RKS35D-FCQ

Cooling (50 Hz, 230 V)

Outdoor	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
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

SYMBOLS

AFR	Air flow rate [m ³ /min.]
BF	Bypass factor
EWB	Entering wet bulb temp. [°CWB]
EDB	Entering dry bulb temp. [°CDB]
DB°	Dry bulb temp. [°CDB]
TC	Total capacity [kW]
SHC	Sensible heating capacity [kW]
PI	Power input [kW] (comp.+indoor+outdoor fan motor)

NOTES

1. Ratings shown are net capacities. Influence of fan motor heat is included.
2. Shows nominal capacities
3. SHC is based on each EWB and EDB
 $SHC^* = SHC \text{ correction for other dry bulb}$
 $SHC^* = 0.29 * 60 * AFR [m^3/min] * (1-BF) * (DB^* - EDB)/860$
 Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible. Do not extrapolate.
5. Capacities are based on 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

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4 Capacity tables

4 - 1 Cooling capacity tables

RKS35D-FBQ

Cooling (50 Hz, 230 V)

Outdoor	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
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

SYMBOLS

AFR	Air flow rate [m ³ /min.]
BF	Bypass factor
EWB	Entering wet bulb temp. [°CWB]
EDB	Entering dry bulb temp. [°CDB]
DB°	Dry bulb temp. [°CDB]
TC	Total capacity [kW]
SHC	Sensible heating capacity [kW]
PI	Power input [kW] (comp.+indoor+outdoor fan motor)

NOTES

1. Ratings shown are net capacities. Influence of fan motor heat is included.
2. Shows nominal capacities
3. SHC is based on each EWB and EDB
 $SHC^* = SHC \text{ correction for other dry bulb}$
 $SHC^* = 0.29 * 60 * AFR [m^3/min] * (1-BF) * (DB^* - EDB)/860$
 Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible. Do not extrapolate.
5. Capacities are based on following conditions:
 Corresponding refrigerant piping length: 7.5 m
 Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FBQ
35	AFR	11.5
	BF	0.15

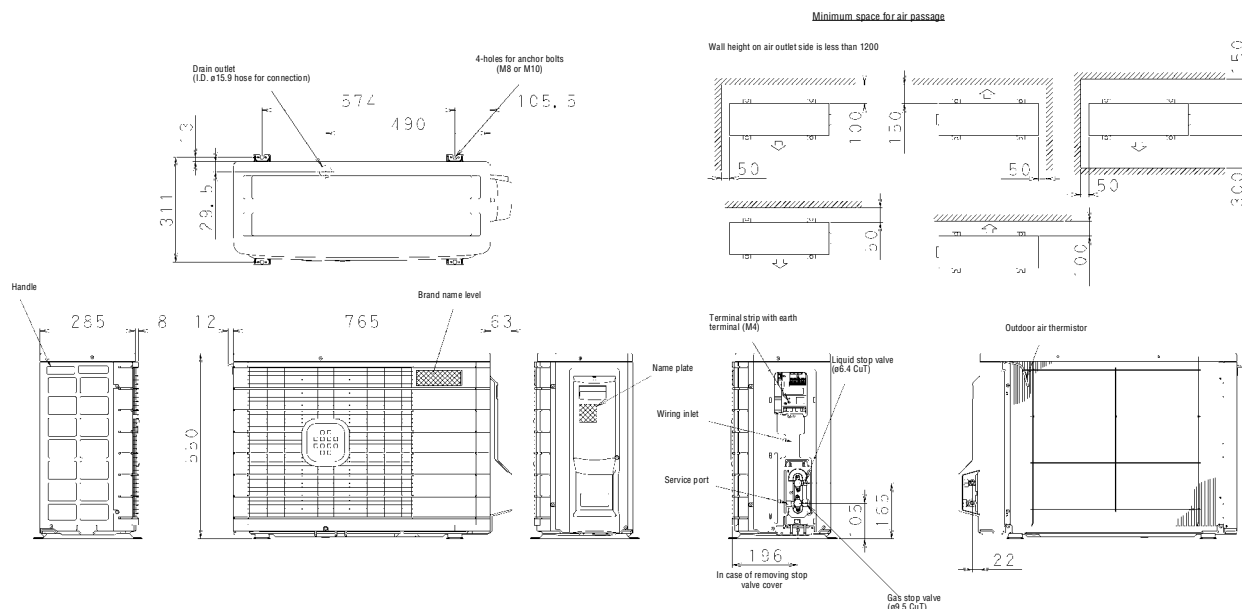
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5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

5

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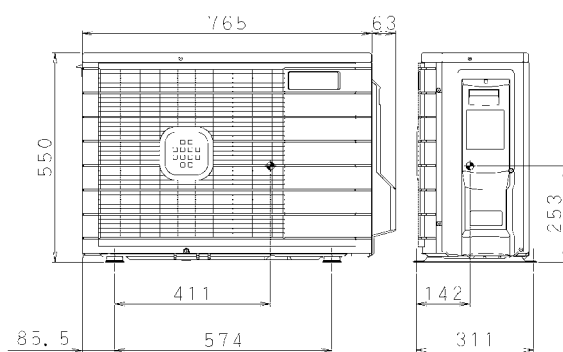
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5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

5

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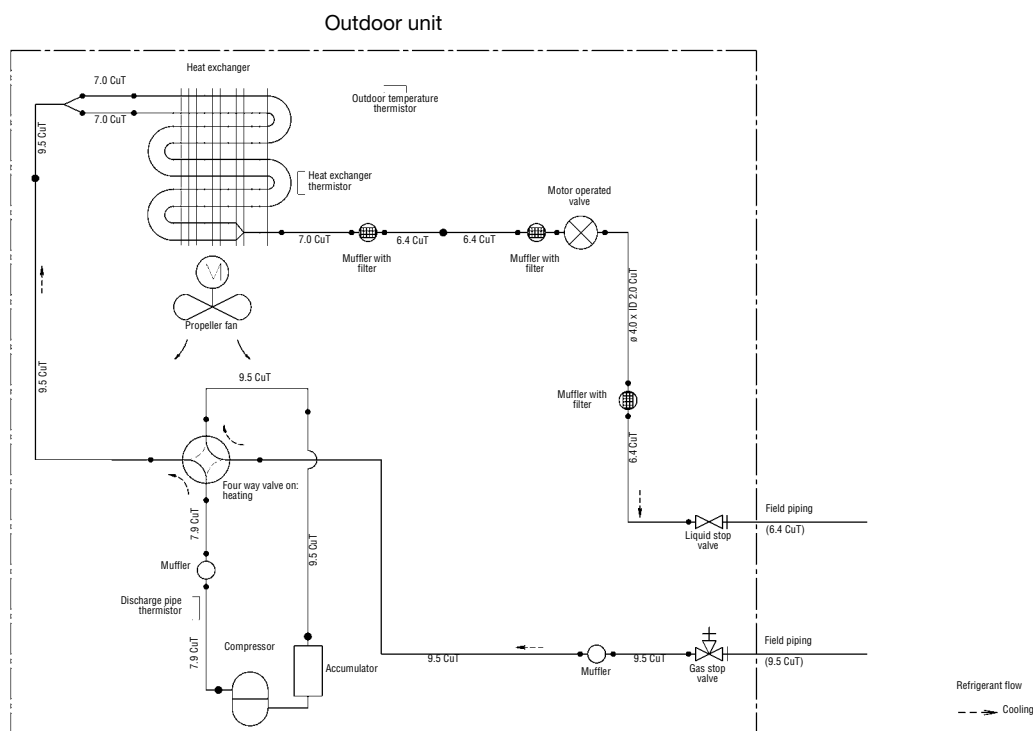


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6 Piping diagram

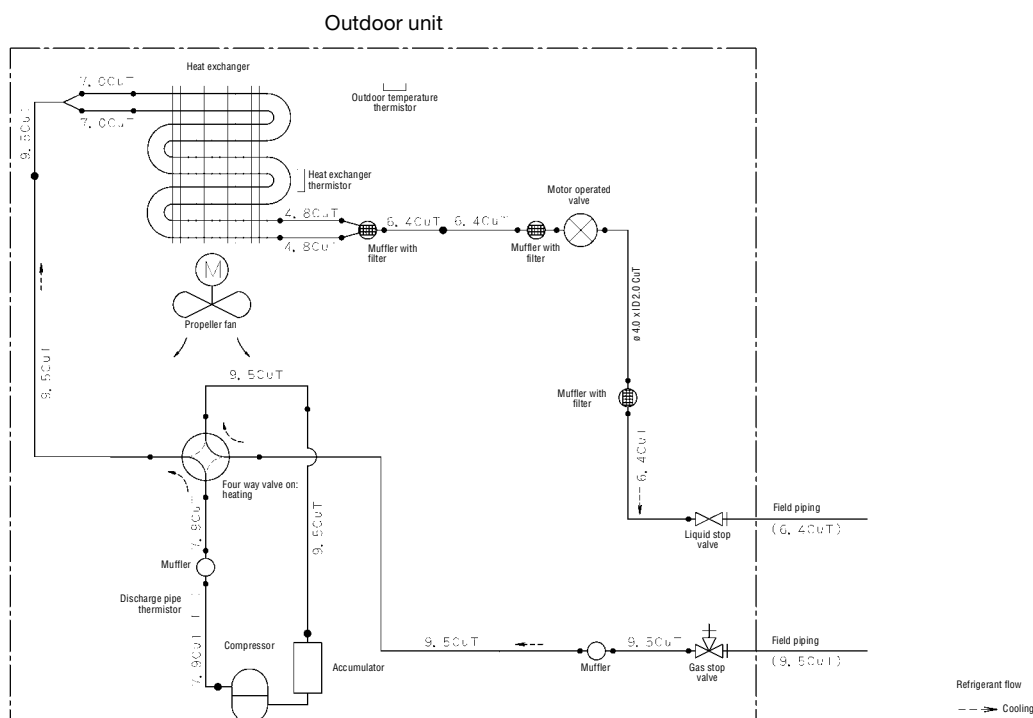
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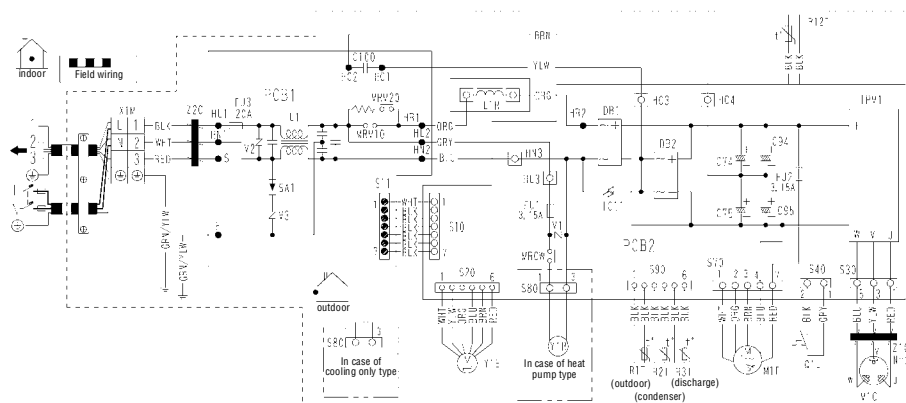
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7 Wiring diagram

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NOTES

- 1 Size: length 105 x width 185.
- 2 Refer to purchasing specification AS(Y)303002, unless otherwise specified.
- 3 This drawing was drawn on CAD system.
- 4 Refer to the nameplate for the power requirements.

LEGEND

⊕ Protective earth
C74, C75, C94, C95, C100 Capacitor
DB1, DB2 Diode bridge
FU1, FU2, FU3 Fuse
IC11 Triac
IPM1 Intelligent power module
L Live
L1 Coil

L1R Reactor
M1C Compressor motor
M1F Fan motor
MRCW, MRM10, MRM20 Magnetic relay
N Neutral
PCB1, PCB2 Printed circuit board
Q1L Overload protector
R1T, R2T, R3T, R12T Thermistor
S10, S11, S20, S30, S40, S70, S80, S90, S91, HC3, HC4, HL3, HN3

Connector
SA1 Surge arrester
V1, V2, V3 Varistor
X1M Terminal strip
Y1E Electronic expansion valve coil
Y1R Reversing solenoid valve coil
Z1C, Z2C Ferrite core

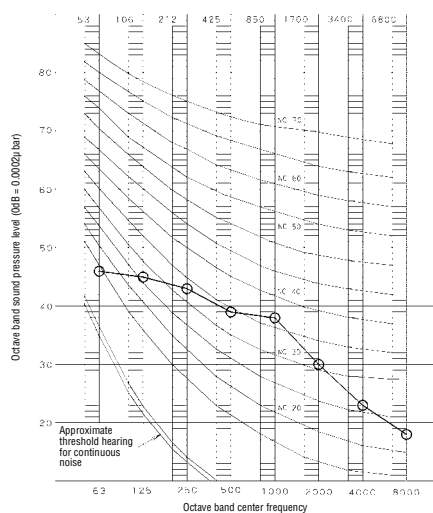
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8 Sound data

8 - 1 Sound pressure spectrum

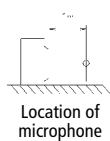
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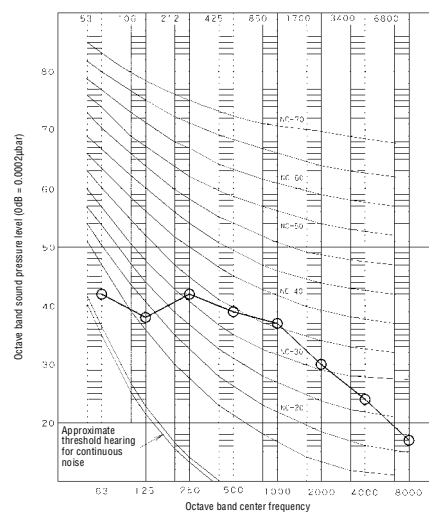
NOTES

- 1 Measurement was taken in an anechoic room.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Operating conditions:
Power source = 220-240 V, 50/60 Hz
o-----o H (A = 46)
- 4 Operation noise differs with operation and ambient conditions.



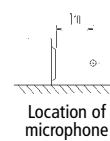
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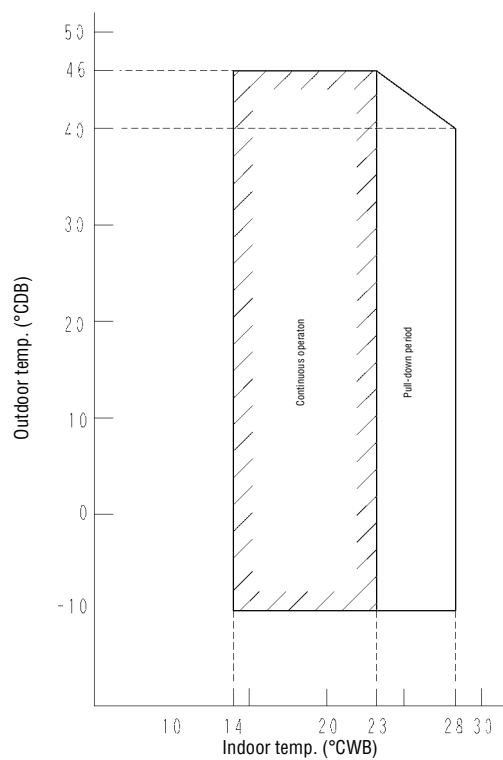
- 1 Measurement was taken in an anechoic room.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Operating conditions:
Power source = 220-240 V, 50/60 Hz
o-----o H (A = 47)
- 4 Operation noise differs with operation and ambient conditions.



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9 Operation range

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NOTES

The graphs are based on the following conditions:

- 1 Equivalent piping length: 7.5m
- 2 Level difference: 0m
- 3 Air flow rate: high

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