



technical data

RKS-B



Pair Application



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.



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Specifications are subject to change without prior notice.

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RKS-B



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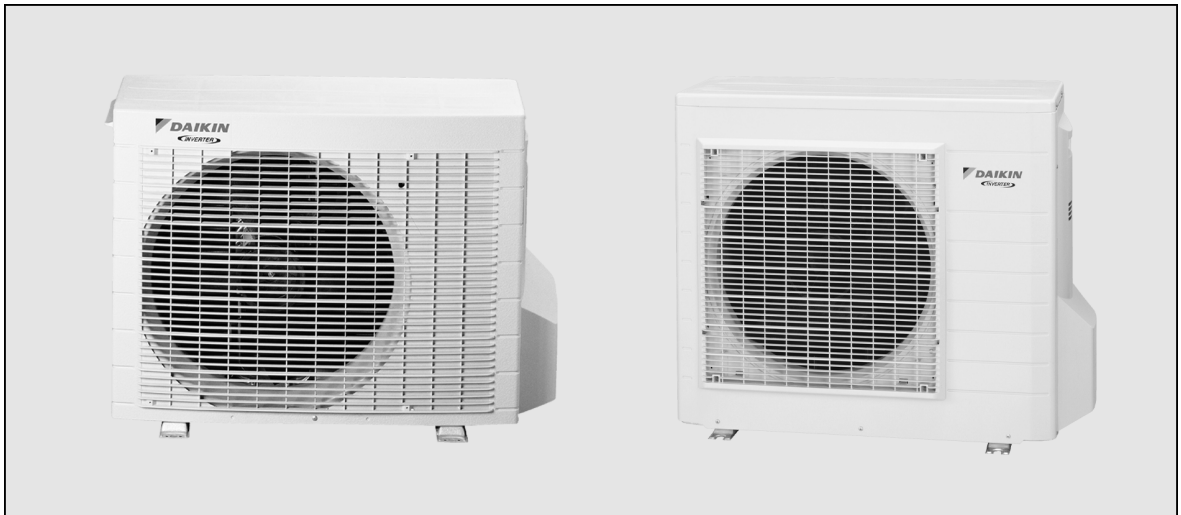


1 Features



1 Outdoor units for pair application

- Daikin outdoor units 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



2

TECHNICAL SPECIFICATIONS								
OUTDOOR UNITS				RKS25BVMB	RKS35BVMB	RKS50BVMB	RKS60BVMB	RKS71BVMB
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) (Cooling)	High/Low	dB(A)	46/43	47/44	47/*	49/*	52/*
	Sound power (2) (Cooling)	High	dB(A)	59	60	63	64	66
FAN	Air flow rate (Cooling)	High/Low	m ³ /min	25.3/17.0	25.3/17.0	47.7/44.1	47.6/44.1	51.5/41.5
	Speed (Cooling)	high	rpm	670	670	700	730	790
		low	rpm	450	450	650	680	650
	Model	Propeller fan						
	Motor output		W	19		53		
HEAT EXCHANGER	Type	Waffle fin, ϕ 8 HI-XA tube						
	Rows x stages x fin pitch		mm	2 x 24 x 1.5		1 x 32 x 1.6	2 x 32 x 1.8	
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	25			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	ϕ 6.4				
		gas	mm	ϕ 9.5		ϕ 12.7		ϕ 15.9
		drain	mm	ϕ 18.0				
INSULATION MATERIAL	Heat insulation	Both liquid and gas pipes						

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

2 Specifications



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ELECTRICAL SPECIFICATIONS								
OUTDOOR UNITS				RKS25BVMB	RKS35BVMB	RKS50BVMB	RKS60BVMB	RKS71BVMB
CURRENT	Nominal running current	cooling	A	3.52	5.22	6.82	9.12	10.90
	Max. running current	cooling	A	Please refer to electrical data				
	Starting current	cooling	A	3.7	5.4	7.3	9.3	11.1
OUTDOOR UNITS				RKS25BVMB	RKS35BVMB	RKS50BVMB	RKS60BVMB	RKS71BVMB
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

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RKS+FTKS25B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTKS25BVMB	RKS25BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	48	3.21	19	0.35	18	0.20

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RKS+FTKS35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTKS35BVMB	RKS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	78	4.91	19	0.35	18	0.20

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RKS+FTKS50B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTKS50BVMB	RKS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	72	6.92	53	0.18	40	0.16

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RKS+FTKS60B

RKS+FTKS71B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTKS60BVMB	RKS60BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	72	8.86	53	0.24	43	0.16
FTKS71BVMB	RKS71BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	16.8	20	80	10.58	53	0.26	43	0.18

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RKS+FVKS25B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVKS25BVMB	RKS25BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	49	3.25	19	0.35	28	0.16

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RKS+FVKS35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVKS35BVMB	RKS35BVMB	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



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ELECTRICAL DATA

RKS+FKS50B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FKS50BVMB	RKS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	76	7.04	53	0.18	14+14	0.31

3D040876

RKS+FLKS25B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLKS25BVMB	RKS25BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	48	3.17	19	0.35	34	0.34

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RKS+FLKS35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLKS35BVMB	RKS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	81	5.03	19	0.35	34	0.38

3D040396

RKS+FLKS50B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLKS50BVMB	RKS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	75	7.00	53	0.18	34	0.54

3D040876

RKS+FFQ25B

RKS+FFQ35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ25BV1B	RKS25BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	54	3.55	19	0.35	55	0.6
FFQ35BV1B	RKS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	81	5.08	19	0.35	55	0.6

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RKS+FFQ50B

RKS+FFQ60B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ50BV1B	RKS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	72	7.43	53	0.18	55	0.7
FFQ60BV1B	RKS60BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	85	8.45	53	0.24	55	0.7

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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

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RKS+FCQ35B
RKS+FCQ50B
RKS+FCQ60B

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

RKS+FHQ35B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ35BUIV1B	RKS35BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	15	15	78	4.91	19	0.35	62	0.6

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RKS+FHQ50B
RKS+FHQ60B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ50BUIV1B	RKS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	79	7.5	53	0.18	62	0.6
FHQ60BUIV1B	RKS60BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	90	8.84	53	0.24	62	0.6

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RKS+FBQ35B
RKS+FBQ50B
RKS+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



3 RKS+FTKS25B

AFR	7.4
BF	0.23

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	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

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RKS+FTKS35B

AFR	7.4
BF	0.16

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.26	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

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RKS+FTKS50B

AFR	11.4
BF	0.22

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.06	3.28	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

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RKS+FTKS60B

AFR	16.2
BF	0.29

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	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

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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

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- Shows nominal cooling 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 correction for other dry bulb
 SHC* = 0.02 x AFR (m³/min) x (1-BF) x (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 above.

3 Capacity tables



3

RKS+FTKS71B

AFR	16.7
BF	0.27

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	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

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RKS+FKKS25B

AFR	8.1
BF	0.29

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	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

3D040390

RKS+FKKS35B

AFR	8.3
BF	0.13

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.26	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

3D040391

RKS+FKKS50B

AFR	10.8
BF	0.23

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.86	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

3D040894

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

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- Shows nominal cooling 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 correction for other dry bulb
 SHC* = 0.02 x AFR (m³/min) x (1-BF) x (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 above.

3 Capacity tables



3 RKS+FLKS25B

AFR	7.6
BF	0.32

Cooling capacity 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	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	1.83	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

3D040382

RKS+FLKS35B

AFR	8.6
BF	0.35

Cooling capacity 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.26	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

3D040383

RKS+FLKS50B

AFR	11.4
BF	0.18

Cooling capacity 230V [50Hz]

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

3D040893

RKS+FFQ25B

AFR	9.0
BF	0.24

Cooling capacity 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	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

3D040764

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

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- Shows nominal cooling 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 correction for other dry bulb
 SHC* = 0.02 x AFR (m³/min) x (1-BF) x (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 above.

3 Capacity tables



3

RKS+FFQ35B

AFR	10.0
BF	0.25

Cooling capacity 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.17	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

3D040766

RKS+FFQ50B

AFR	12.0
BF	0.16

Cooling capacity 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.76	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

3D041022

RKS+FFQ60B

AFR	15.0
BF	0.11

Cooling capacity 230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.86	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

3D041027

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
 $SHC^* = 0.02 \times AFR (m^3/min) \times (1-BF) \times (DB-EDB)$
 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 tabulated above.

3 Capacity tables



3 RKS+FCQ35-60B

Cooling capacity

230V [50Hz]

Outdoor	Indoor		Outdoor temperature (°C)																	
	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
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	(kW)
	(comp.+indoor+outdoor fan motor)	

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
 $SHC^* = SHC \text{ correction for other dry bulb}$
 $SHC^* = 0.29 \times 60 \times AFR \text{ (m}^3\text{/min)} \times (1-BF) \times (DB-EDB)/860$
 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



3

RKS+FHQ35B

AFR	13
BF	0.20

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.17	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

3D040599

RKS+FHQ50B

AFR	13
BF	0.1

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.06	3.63	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

3D040601

RKS+FHQ60B

AFR	17
BF	0.2

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.76	4.17	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

3D040604

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

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- Shows nominal cooling 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
 $SHC^* = SHC$ correction for other dry bulb
 $SHC^* = 0.02 \times AFR (m^3/min) \times (1-BF) \times (DB-EDB)$
 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 above.

3 Capacity tables



3 RKS+FBQ35-60B

Cooling capacity

230V [50Hz]

Outdoor	Indoor		Outdoor temperature (°C)																	
	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
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	(kW)
	(comp.+indoor+outdoor fan motor)	

NOTES

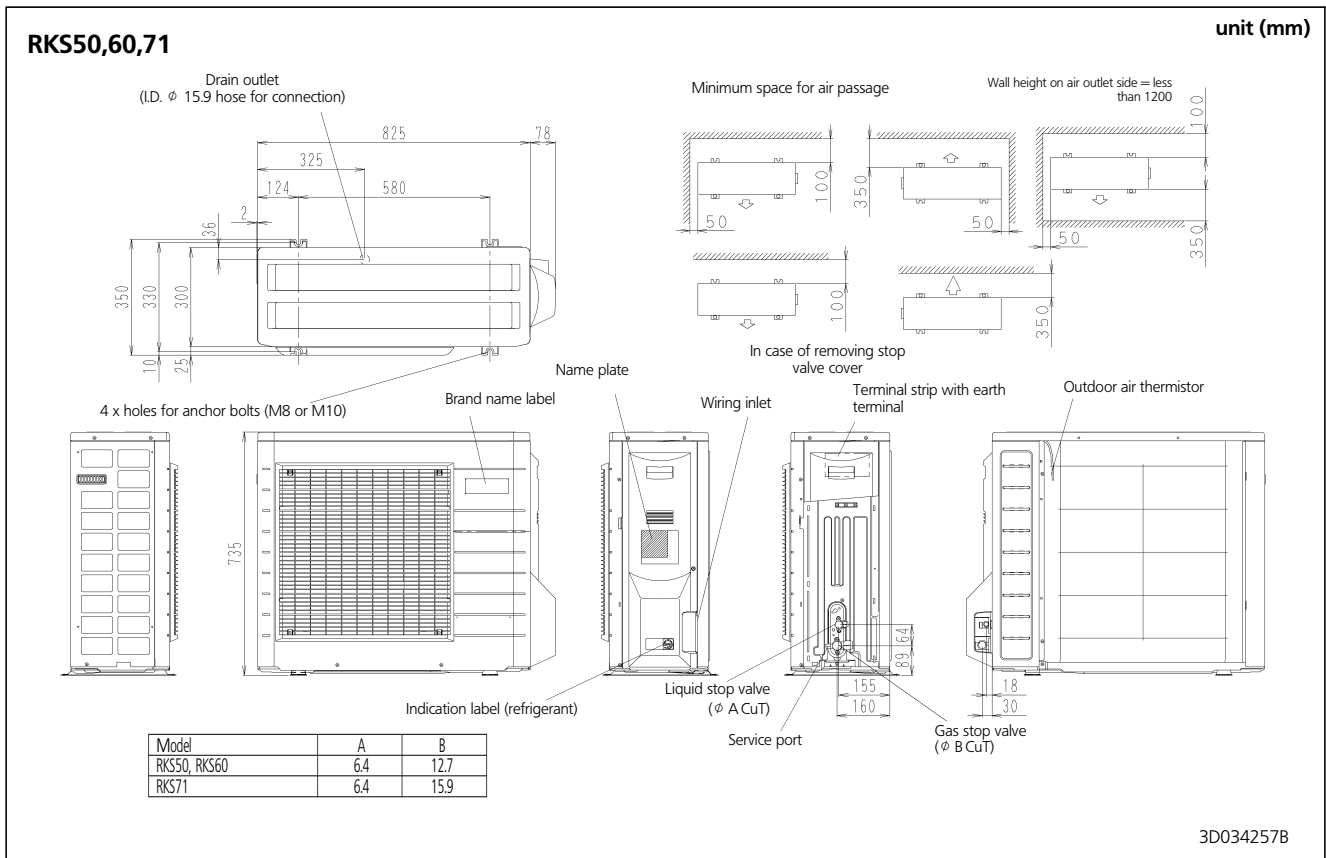
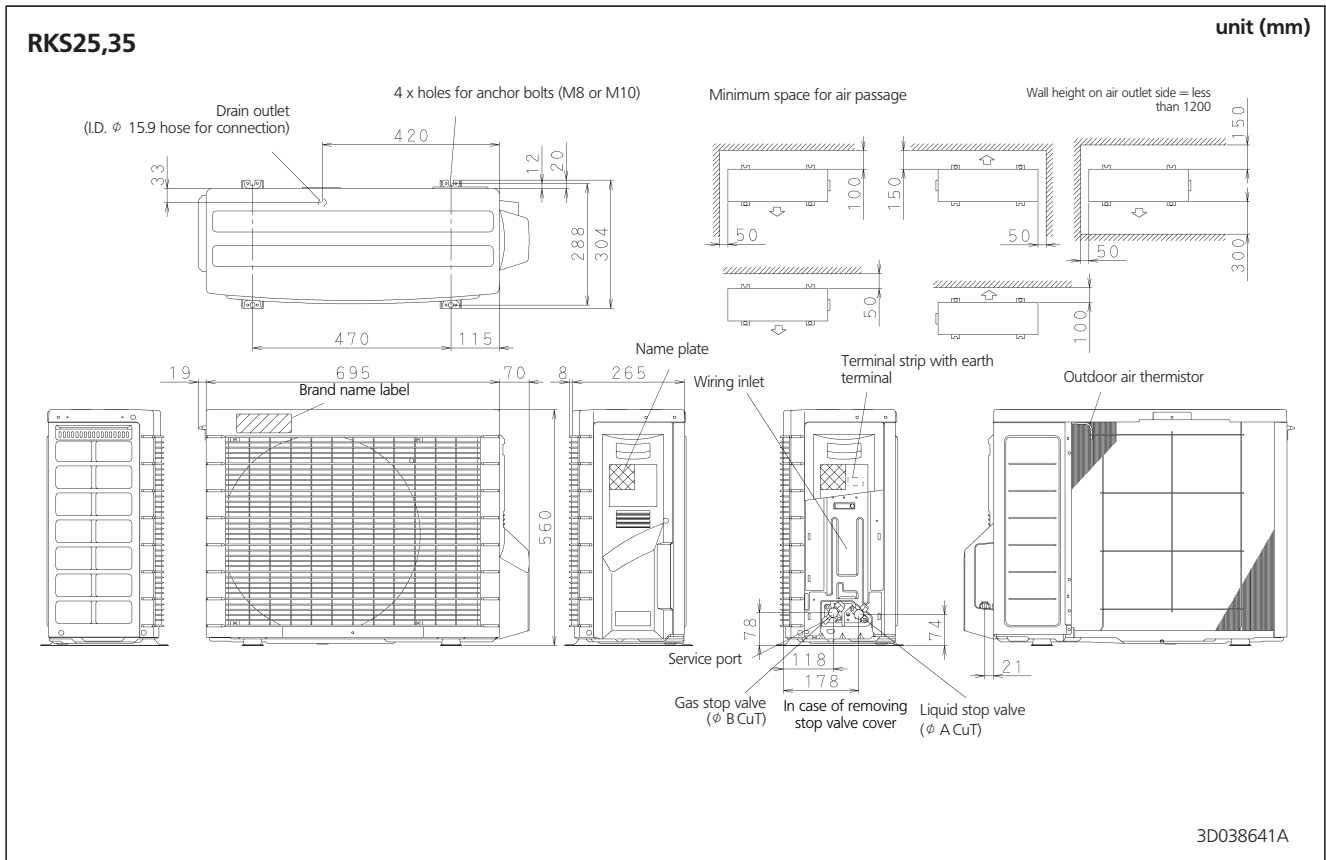
1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. Shows nominal cooling capacities and power input
3. SHC is based on each EWB and EDB
 SHC* = SHC correction for other dry bulb
 SHC* = 0.29 x 60 x AFR (m³/min) x (1-BF) x (DB-EDB)/860
 Add SHC* to SHC.
4. Direct 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

4 Dimensional drawings



4

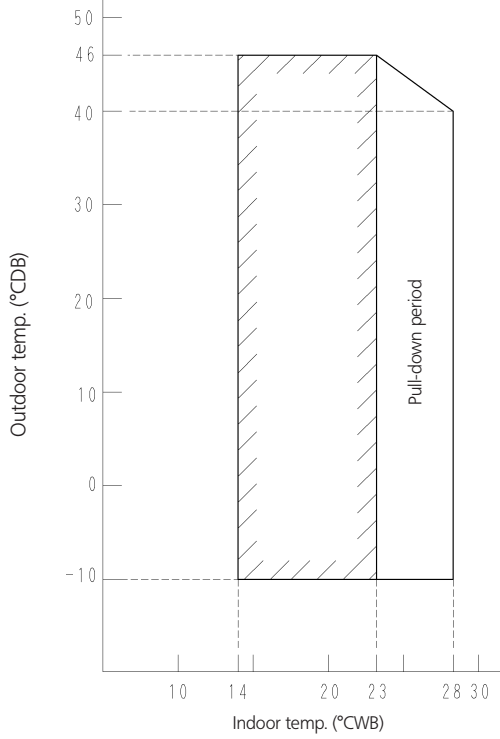


5 Operation range



5

RKS25,35,50,60,71B



Notes:

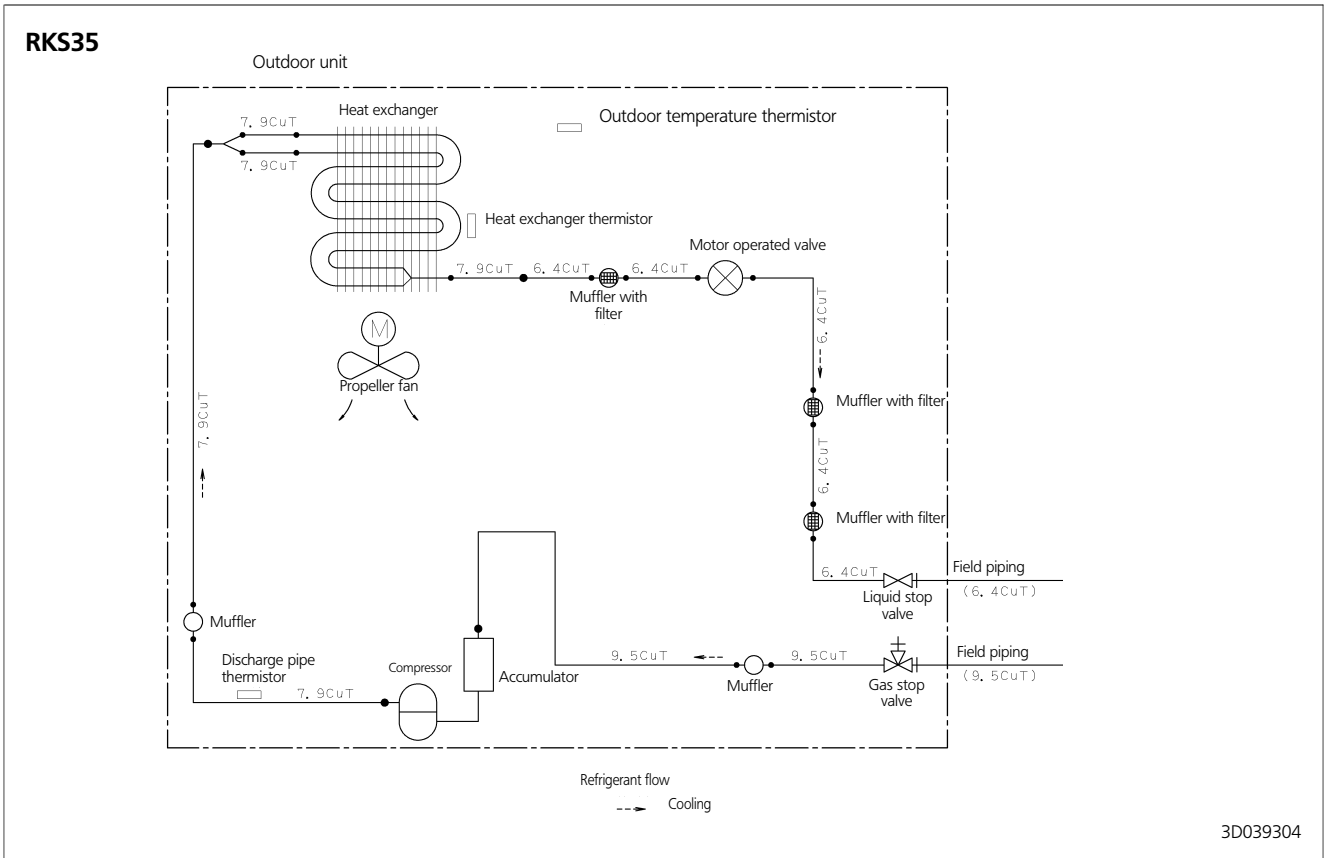
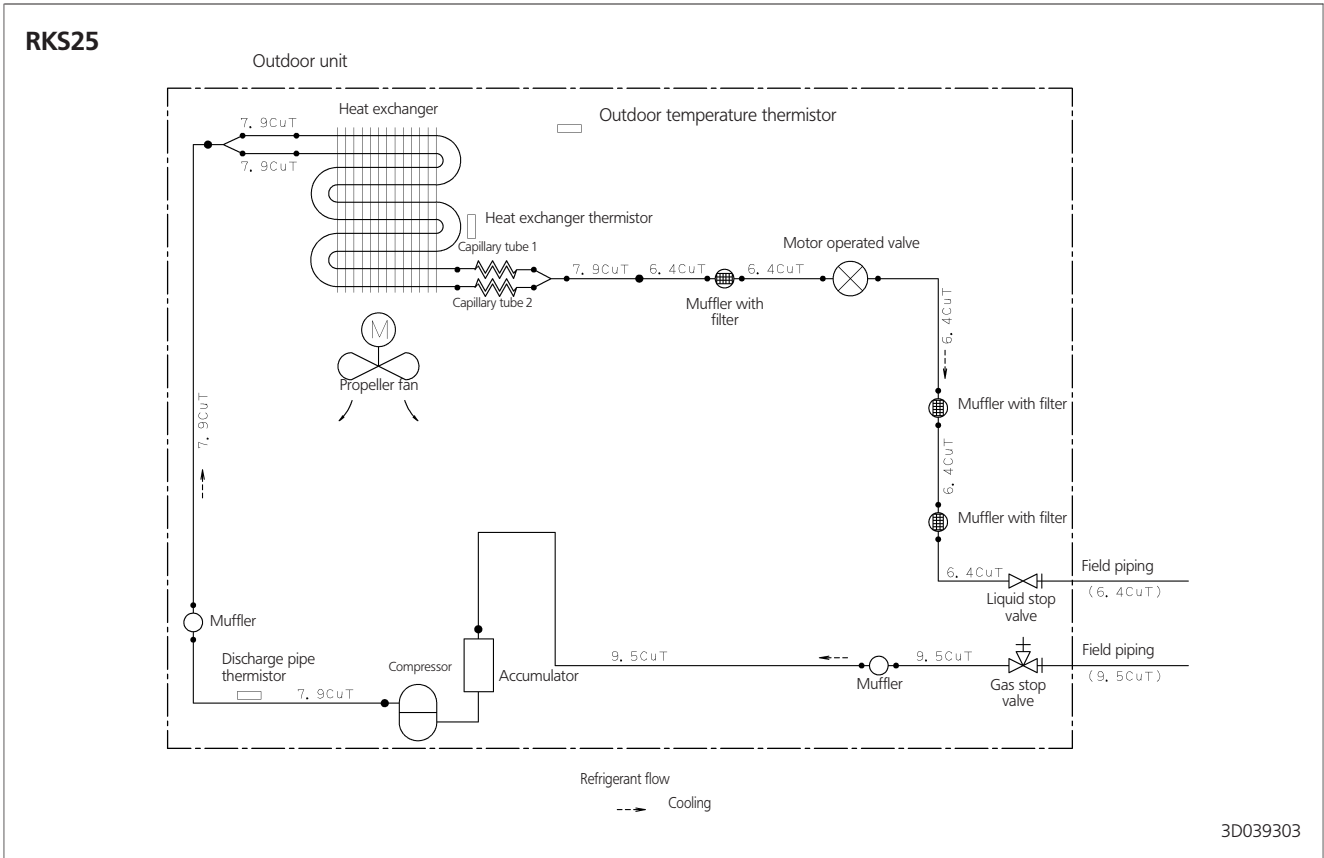
- The graph is based on the following conditions:
- 1. Equivalent piping length 7.5 m
 - 2. Level difference 0 m
 - 3. Air flow rate high

4D029297B

6 Piping diagrams



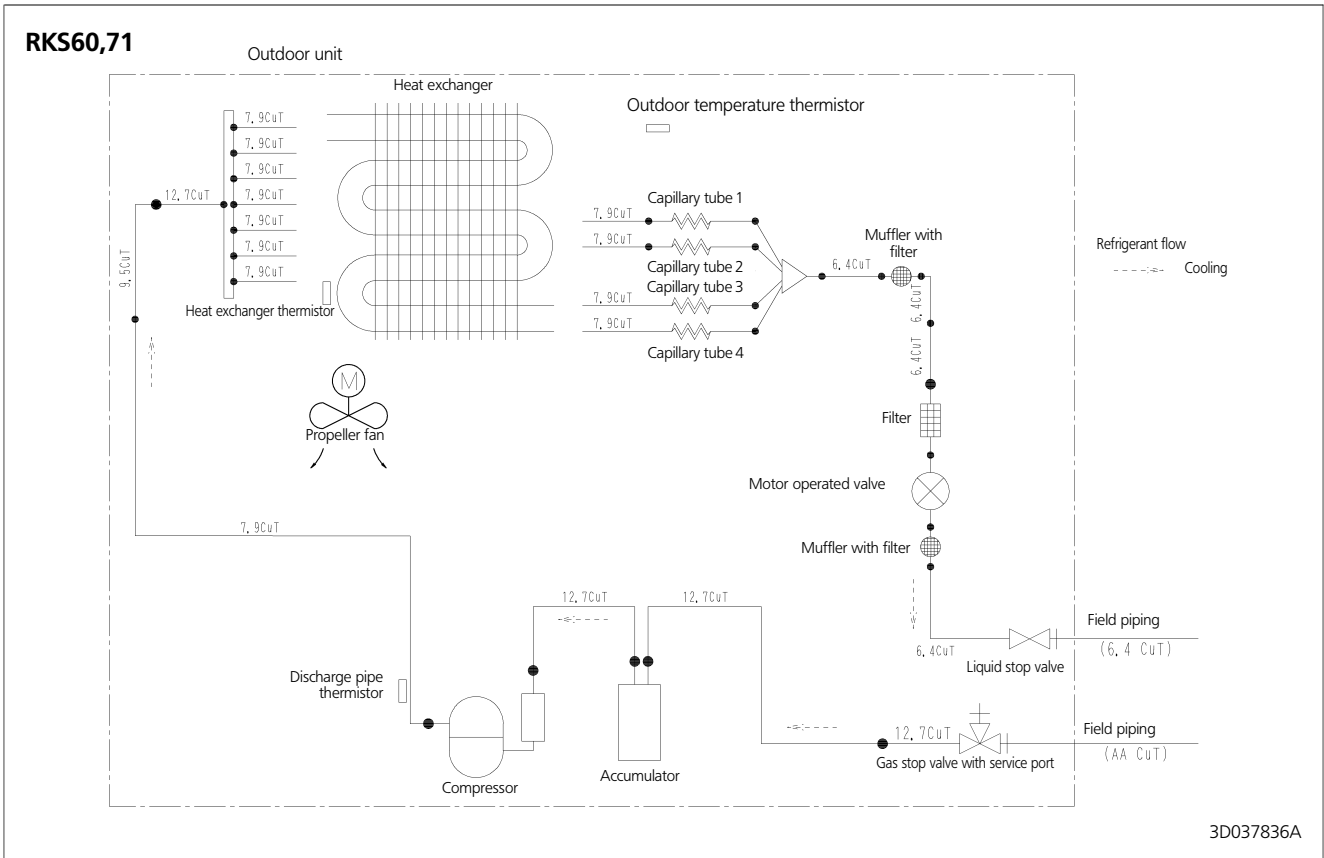
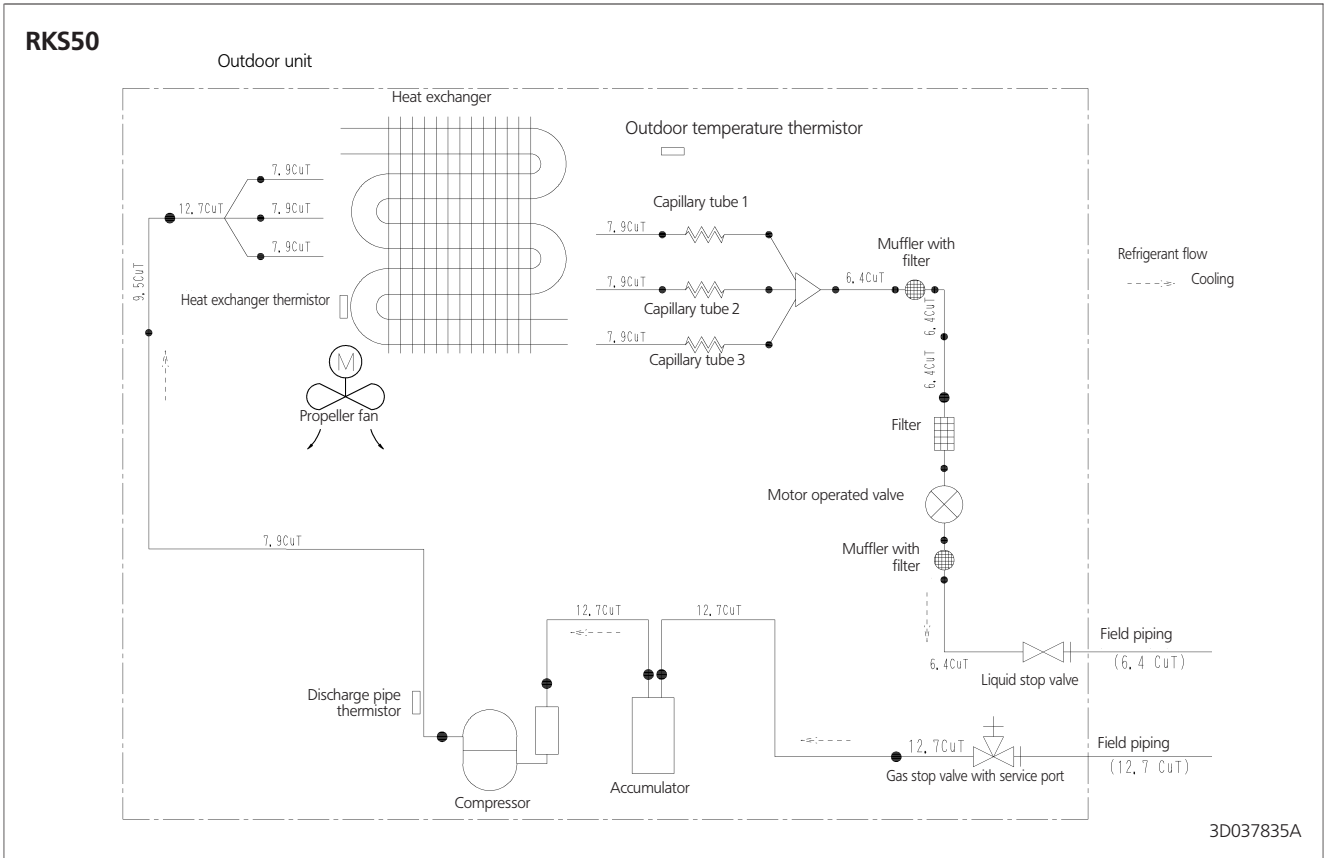
6



6 Piping diagrams



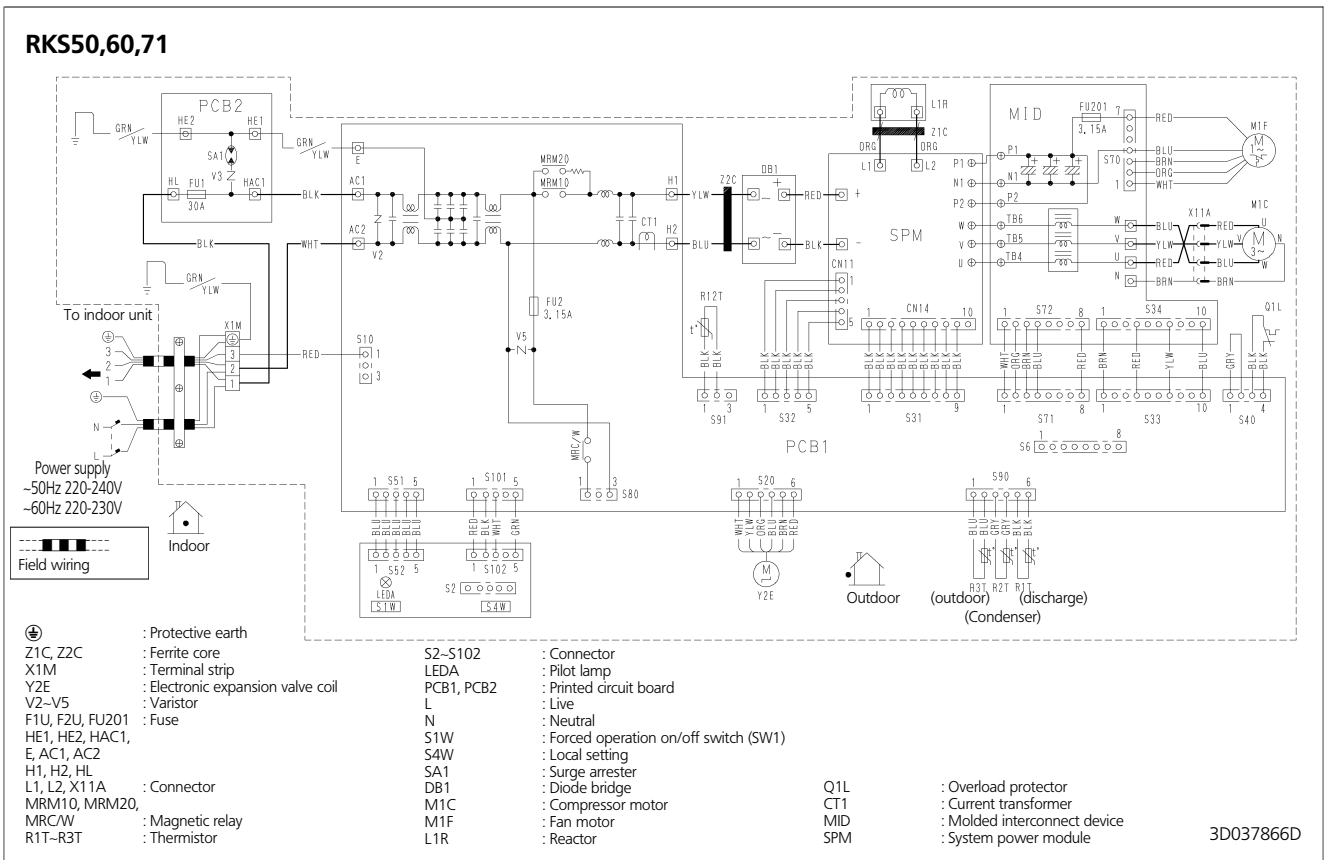
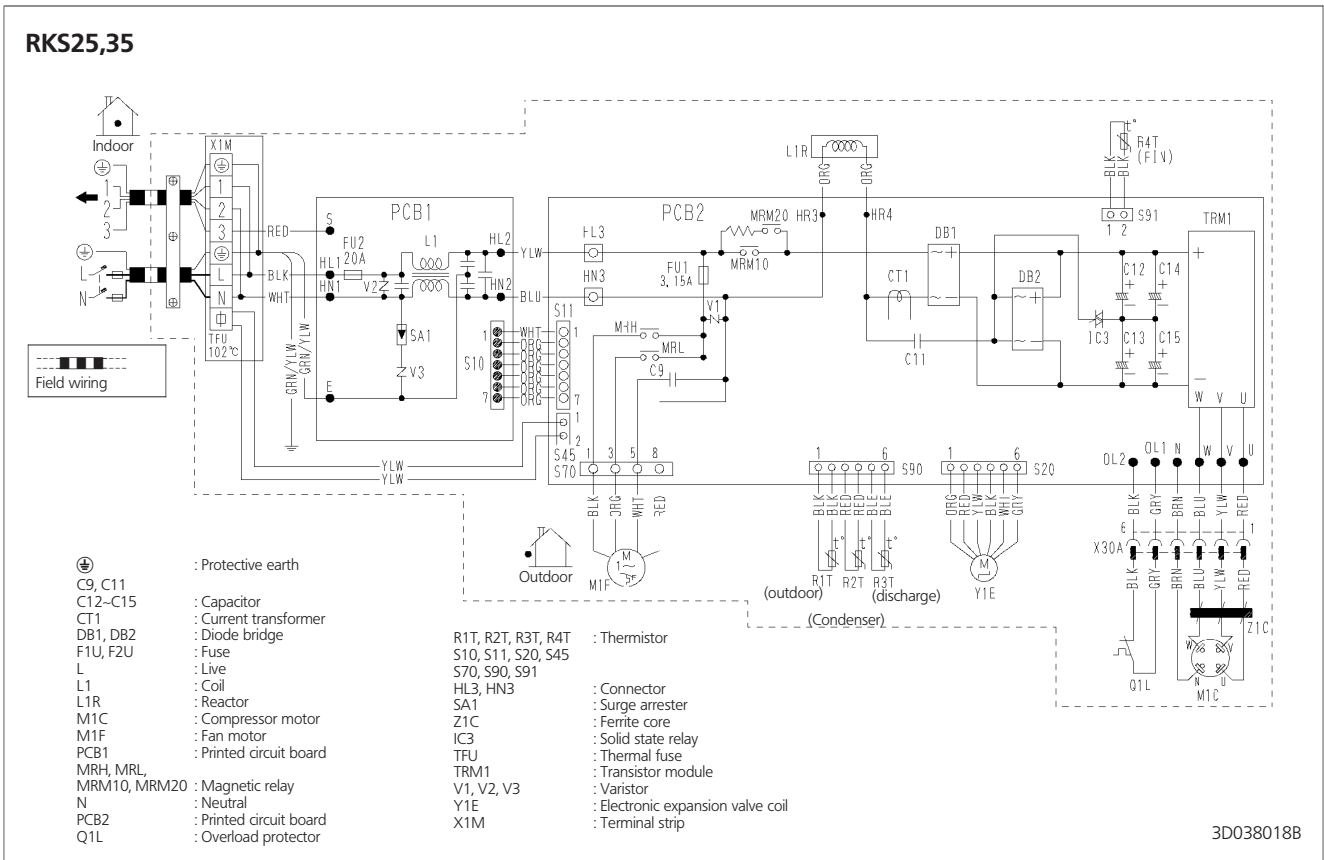
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7 Wiring diagrams



7



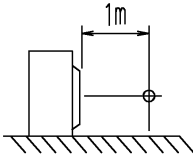
8 Sound level

8-1 Sound level data



8 Cooling only

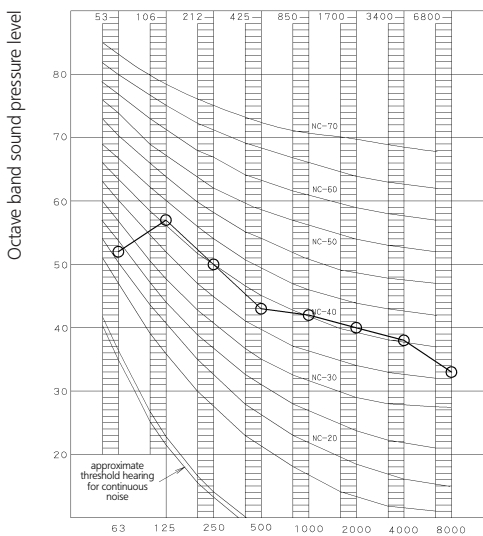
8-1

Model	Sound pressure level		Measuring location 	Sound power level (cooling)
	230V, 50Hz			
	Cooling			
	H	L		
RKS25B	46	43		59
RKS35B	47	44		60
RKS50B	47	*		63
RKS60B	49	*		64
RKS71B	52	*		66

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

8-2 Sound pressure spectrum

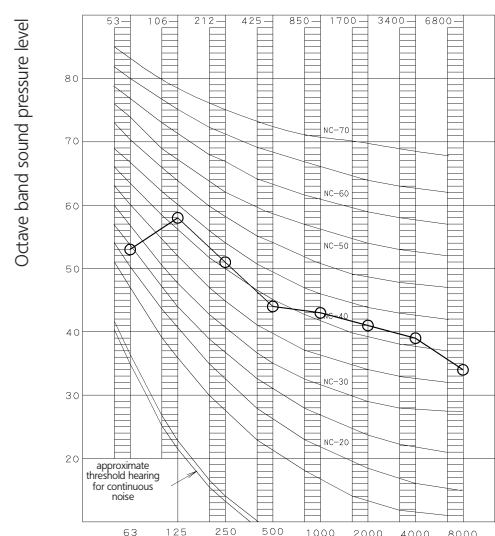
RKS25B (Cooling)



4D013518E

Octave band center frequency (Hz)

RKS35B (Cooling)



4D013520E

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

8 Sound level

8-2 Sound pressure spectrum

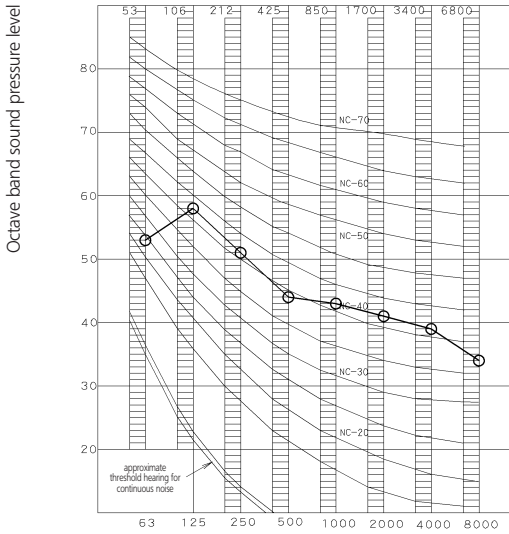


Cooling only

8

8-2

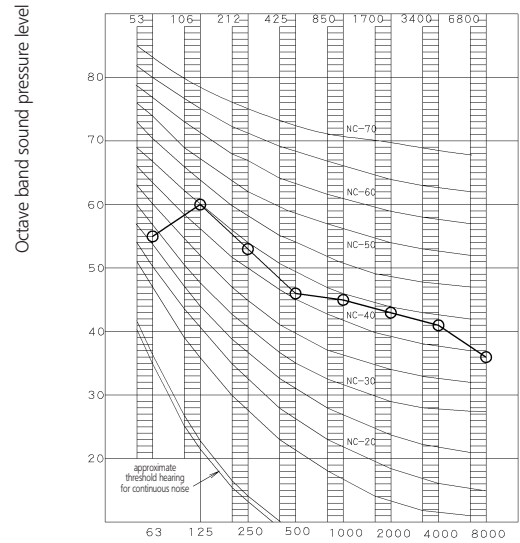
RKS50B



4D027648B

Octave band center frequency (Hz)

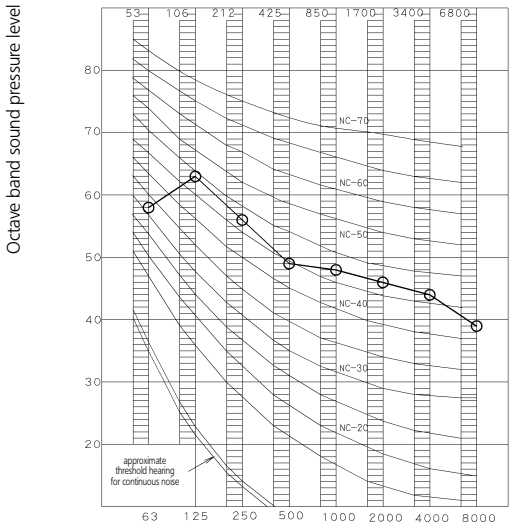
RKS60B



4D040949

Octave band center frequency (Hz)

RKS71B



3D027650B

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

9 RKS-B

9-1

Accessories supplied with the outdoor unit:	
Installation manual	1

9-2 Optional accessories

RKS-B

	RKS25BVMB	RKS35BVMB	RKS50BVMB	RKS60BVMB	RKS71BVMB
Air direction adjustment grille	KPW937A4		KPW945A4		

10 Installation

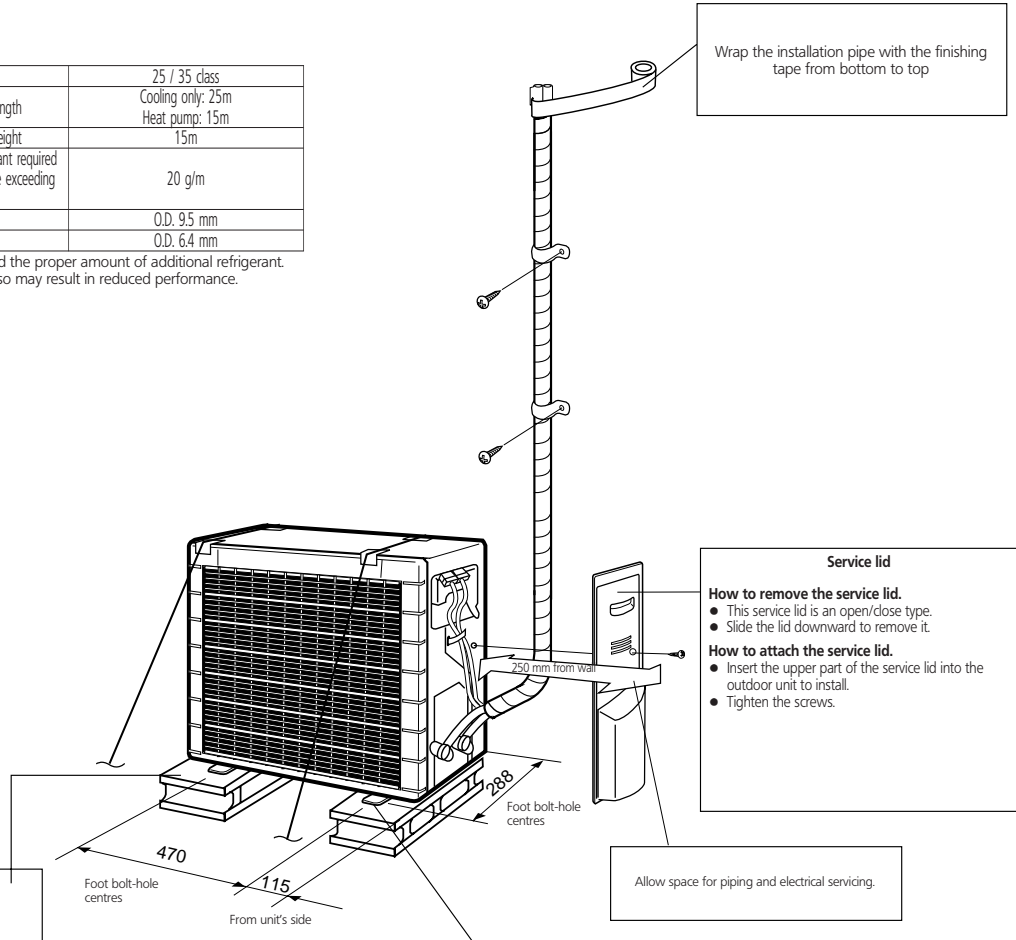


RKS25,35B

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.



Wrap the installation pipe with the finishing tape from bottom to top

Service lid

How to remove the service lid.

- This service lid is an open/close type.
- Slide the lid downward to remove it.

How to attach the service lid.

- Insert the upper part of the service lid into the outdoor unit to install.
- Tighten the screws.

Allow space for piping and electrical servicing.

In sites with poor drainage, use block bases for outdoor unit. Adjust foot height until the unit is leveled. Otherwise, water leakage or pooling of water may occur.

Where there is a danger of the unit falling, use foot bolts, or wires.

10 Installation



10

RKS50,60,71B

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.

