

technical data

RKS-G2V1B

Outdoor units

air conditioning systems

Split Sky Air

R-410A

1

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Split -
Sky Air

R-410A

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RKS-G2V1B

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1 Features

- 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



2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RKS20G2V1B	RKS25G2V1B	RKS35G2V1B	RKS42G2V1B	RKS50G2V1B
For combination indoor units + outdoor units	Indoor Units			FTXS20G2V1B	FTXS25G2V1B	FTXS35G2V1B	FTXS42G2V1B	FTXS50G2V1B
Cooling capacity	Minimum	kW		1.3	1.3	1.4	1.7	1.7
		Btu/h		4,400	4,400	4,800	5,800	5,800
		Kcal/h		1,120	1,120	1,200	1,460	1,460
	Standard	kW		2.0	2.5	3.5	4.2	5.0
		Btu/h		6,800	8,500	11,900	14,300	17,100
		Kcal/h		1,720	2,150	3,010	3,610	4,300
	Maximum	kW		2.8	3.2	4.0	5.0	5.3
		Btu/h		9,600	10,900	13,600	17,100	18,100
		Kcal/h		2,410	2,750	3,440	4,300	4,560
Power Input	Cooling	Minimum	kW	0.32	0.32	0.35	0.44	0.44
		Standard	kW	0.47	0.55	0.87	1.22	1.52
		Maximum	kW	0.91	0.81	1.19	2.23	1.81
For combination indoor units + outdoor units	EER	Nominal		4.26	4.55	4.02	3.44	3.29
	Energy Label	Cooling		A				
	Annual energy consumption		kWh	235	275	435	610	760
	Indoor Units				FDKS25EAVMB	FDKS35EAVMB		FDKS50CVMB
Cooling capacity	Minimum	kW			1.3	1.4		1.7
		Btu/h			4,400	4,800		5,800
		Kcal/h			1,110	1,200		1,460
	Standard	kW			2.4	3.4		5.0
		Btu/h			8,150	11,600		17,100
		Kcal/h			2,060	2,920		4,300
	Maximum	kW			3.0	3.8		5.3
		Btu/h			10,200	13,000		18,100
		Kcal/h			2,580	3,260		4,560
Power Input	Cooling	Minimum	kW					0.44
		Standard	kW		0.69	1.09		1.65
		Maximum	kW					1.93
For combination indoor units + outdoor units	EER	Nominal			3.48	3.12		3.03
	Energy Label	Cooling			A	B		B
	Annual energy consumption		kWh		345	545		825
	Indoor Units				FVXS25FV1B	FVXS35FV1B		FVXS50FV1B
Cooling capacity	Minimum	kW			1.3	1.4		1.4
		Btu/h			4,400	4,800		4,800
		Kcal/h			1,120	1,200		1,200
	Standard	kW			2.5	3.5		5.0
		Btu/h			8,500	11,900		17,100
		Kcal/h			2,150	3,010		4,300
	Maximum	kW			3.0	3.8		5.6
		Btu/h			10,200	13,000		19,100
		Kcal/h			2,580	3,270		4,820
Power Input	Cooling	Minimum	kW		0.30	0.30		0.50
		Standard	kW		0.57	1.02		1.55
		Maximum	kW		0.92	1.25		2.00
For combination indoor units + outdoor units	EER	Nominal			4.39	3.43		3.23
	Energy Label	Cooling			A	A		A
	Annual energy consumption		kWh		285	510		775
	Indoor Units				FLKS25BAVMB	FLKS35BAVMB		FLKS50BAVMB

2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RKS20G2V1B	RKS25G2V1B	RKS35G2V1B	RKS42G2V1B	RKS50G2V1B
Cooling capacity	Minimum	kW			1.2	1.2		0.9
		Btu/h			4,100	4,100		3,070
		Kcal/h			1,030	1,030		770
	Standard	kW			2.5	3.5		4.9
		Btu/h			8,500	11,900		16,730
		Kcal/h			2,150	3,010		4,210
	Maximum	kW			3.0	3.8		5.3
		Btu/h			10,200	13,000		18,090
		Kcal/h			2,580	3,270		4,560
Power Input	Cooling	Minimum	kW		0.30	0.30		0.45
		Standard	kW		0.65	1.13		1.72
		Maximum	kW		0.86	1.26		1.95
For combination indoor units + outdoor units	EER	Nominal			3.85	3.10		2.85
	Energy Label	Cooling			A	B		C
	Annual energy consumption		kWh		325	565		860
	Indoor Units				FFQ25B8V1B	FFQ35B8V1B		FFQ50B8V1B
Cooling capacity	Standard	kW			2.5	3.40		4.70
Power Input	Cooling	Standard	kW		0.73	1.10		1.80
For combination indoor units + outdoor units	EER	Nominal			3.42	3.09		2.61
	Energy Label	Cooling			A	B		D
	Annual energy consumption		kWh		365	550		900
	Indoor Units					FCQ35C7VEB		FCQ50C7VEB
Cooling capacity	Standard	kW				3.40		5.0
Power Input	Cooling	Standard	kW			0.95		1.41
For combination indoor units + outdoor units	EER	Nominal				3.58		3.55
	Energy Label	Cooling				A		A
	Annual energy consumption		kWh			475		705
	Indoor Units					FHQ35BVV1B		FHQ50BVV1B
Cooling capacity	Minimum	kW				1.4		1.7
		Btu/h				4,800		5,800
		Kcal/h				1,200		1,460
	Standard	kW				3.4		5.0
		Btu/h				11,600		17,100
		Kcal/h				2,920		4,300
	Maximum	kW				3.7		5.6
		Btu/h				12,600		19,100
		Kcal/h				3,180		4,820
Power Input	Cooling	Minimum	kW					0.44
		Standard	kW			1.05		1.83
		Maximum	kW					2.02
For combination indoor units + outdoor units	EER	Nominal				3.24		2.73
	Energy Label	Cooling				A		D
	Annual energy consumption		kWh			525		915
	Indoor Units					FBQ35B8V1		FBQ50B8V1
Cooling capacity	Standard	kW				3.40		5.0
Power Input	Cooling	Standard	kW			1.17		1.92
For combination indoor units + outdoor units	EER	Nominal				2.91		2.60
	Energy Label	Cooling				C		E
	Annual energy consumption		kWh			585		960

2-2 TECHNICAL SPECIFICATIONS				RKS20G2V1B	RKS25G2V1B	RKS35G2V1B	RKS42G2V1B	RKS50G2V1B
Casing	Colour			Ivory White				
Dimensions	Unit	Height	mm	550	550	550	550	735
		Width	mm	765	765	765	765	825
		Depth	mm	285	285	285	285	300
	Packing	Height	mm	612	612	612	612	797
		Width	mm	906	906	906	906	960
		Depth	mm	364	364	364	364	390

2 Specifications

2-2 TECHNICAL SPECIFICATIONS				RKS20G2V1B	RKS25G2V1B	RKS35G2V1B	RKS42G2V1B	RKS50G2V1B
Weight	Unit		kg	32	34	34	39	47
	Packed Unit		kg	37	40	40	45	52
Heat Exchanger	Dimensions	Length	mm	828	805	805	810	845
		Nr of Rows		1	2	2	2	2
		Fin Pitch	mm	1.4	1.4	1.4	1.5	1.8
		Nr of Stages		24	24	24	24	32
	Tube type			Hi-Xa(7)	Hi-Xa(7)	Hi-Xa(7)	Hi-Xa(8)	Hi-Xa(8)
	Fin	Type	Waffle fin					
		Treatment	Anti-corrosion treatment (PE)					
Fan	Type			Propeller				
	Air Flow Rate	Cooling (Low)	m³/min	34.0	31.4	31.4	30.6	48.9
		Cooling (High)	m³/min	36.2	33.5	36.0	37.3	50.9
		Cooling (Low)	cfm	1,201	1,109	1,109	1,079	1,727
		Cooling (High)	cfm	1,278	1,183	1,272	1,317	1,797
	Motor	Model	D50Q-28	D50Q-28	D50Q-28	D50R-28	KFD-380-50-8C	
Motor	Speed (nominal)	Cooling (Low)	rpm	810	810	810	790	670
		Cooling (High)	rpm	860	860	920	890	780
Fan	Motor	Output	W	50	50	50	50	53
Compressor	Quantity			1	1	1	1	1
	Motor	Model		1YC23AFXD#C	1YC23AFXD#C	1YC23AFXD#C	2YC36BXD#C	2YC36BXD#C
		Type		Hermetically sealed swing compressor				
		Motor Output	W	600	600	600	1,100	1,100
Operation Range	Cooling	Min	°CDB	-10	-10	-10	-10	-10
		Max	°CDB	46	46	46	46	46
Sound Level (nominal)	Cooling	Sound Power	dBA	61	61	63	63	62
		Sound Pressure (Low)	dBA	43	43	44	44	44
		Sound Pressure (High)	dBA	46	46	48	48	48
Refrigerant	Type			R-410A				
	Charge		kg	0.8	1.0	1.2	1.3	1.7
Refrigerant Oil	Type			FVC50K				
	Charged Volume		l	0.375	0.375	0.375	0.65	0.65
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.35	6.35	6.35	6.35	6.35
	Gas	Diameter (OD)	mm	9.52	9.52	9.52	9.52	12.7
	Drain	Diameter (OD)	mm	18	18	18	18	18
	Piping Length	Maximum	m	20	20	20	20	30
	Additional Refrigerant Charge		kg/m	0.02>10m				
	Installation height difference	Maximum	m	15	15	15	15	20
	Heat Insulation			Both liquid and gas pipes				
Standard Accessories	Item			Installation manual				
	Quantity			1	1	1	1	1
Notes				Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19.0°CWB; outdoor temperature: 35°CDB, 24°CWB, refr.pip.length: 5m				

2-3 ELECTRICAL SPECIFICATIONS				RKS20G2V1B	RKS25G2V1B	RKS35G2V1B	RKS42G2V1B	RKS50G2V1B
Power Supply	Name			V1				
	Phase			1~				
	Frequency		Hz	50	50	50	50	50
	Voltage		V	220-230-240				
Current	Nominal running current (RLA)	Cooling (A)	A	2.67-2.55-2.45	3.06-2.93-2.81	4.26-4.08-3.91	6.04-5.78-5.54	6.93-6.63-6.35
	Starting current (cooling/heating)		A	2.8	3.2	4.4	6.2	7.1
Wiring connections	For Power Supply	Quantity		3	3	3	3	3
	For connection with indoor	Quantity		4	4	4	4	4
	Remark			(including earth wiring)				

3 Electrical data

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS20G2V1B	RKS20G2V1B	50 - 230	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	34	2.3 2.2	50	0.23	23	0.15

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SIMBOLS

MCA	:	Min. circuit amps.	(A)
MFA	:	Max. Fuse Amps.	(A)
RLA	:	Rated Load Amps.	(A)
OFM	:	Outdoor Fan Motor	
IFM	:	Indoor Fan Motor	
FLA	:	Full Load Amps	(A)
W	:	Fan Motor Rated Output	(W)
RHz	:	Rated Operated Frequency	(Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19°CWB
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS25G2V1B	RKS25G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	34	2.7 2.5	50	0.23	23	0.15

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SIMBOLS

MCA	:	Min. circuit amps.	(A)
MFA	:	Max. Fuse Amps.	(A)
RLA	:	Rated Load Amps.	(A)
OFM	:	Outdoor Fan Motor	
IFM	:	Indoor Fan Motor	
FLA	:	Full Load Amps	(A)
W	:	Fan Motor Rated Output	(W)
RHz	:	Rated Operated Frequency	(Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19°CWB
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

3 Electrical data

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ25B8V1B	RKS25G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	55	3.7	23	0.16	55	0.6
		50 - 230					3.5				
		50 - 240					3.4				

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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 (A)
 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.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS35G2V1B	RKS35G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	65	3.9	50	0.23	23	0.15
							3.7				

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SIMBOLS

MCA : Min. circuit amps. (A)
 MFA : Max. Fuse Amps. (A)
 RLA : Rated Load Amps. (A)
 OFM : Outdoor Fan Motor
 IFM : Indoor Fan Motor
 FLA : Full Load Amps (A)
 W : Fan Motor Rated Output (W)
 RHz : Rated Operated Frequency (Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19°CWB
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

3 Electrical data

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ35B8V1B	RKS35G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	79	4.8	23	0.16	55	0.6
		50 - 230					4.6				
		50 - 240					4.4				

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SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RHz : Rated operating frequency (Hz)
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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.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FBQ35B8V1	RKS35G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	80	5.1	23	0.16	65	0.5
		50 - 230					4.9				
		50 - 240					4.7				

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SYMBOLS

MCA : Min. Circuit Amps (A)
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RHz : Rated operating frequency (Hz)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
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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.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

3 Electrical data

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ35BW1B	RKS35G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	76	4.5	23	0.22	62	0.6
		50 - 230					4.3				
		50 - 240					4.1				

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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 (A)
 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.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS42G2V1B	RKS42G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	14.75	20	58	5.7	50	0.23	23	0.15
							5.4				

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SIMBOLS

MCA : Min. circuit amps. (A)
 MFA : Max. Fuse Amps. (A)
 RLA : Rated Load Amps. (A)
 OFM : Outdoor Fan Motor
 IFM : Indoor Fan Motor
 FLA : Full Load Amps (A)
 W : Fan Motor Rated Output (W)
 RHz : Rated Operated Frequency (Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19°CWB
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

3 Electrical data

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS50G2V1B	RKS50G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	70	6.6 6.2	53	0.27	23	0.15

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SIMBOLS

MCA	:	Min. circuit amps.	(A)
MFA	:	Max. Fuse Amps.	(A)
RLA	:	Rated Load Amps.	(A)
OFM	:	Outdoor Fan Motor	
IFM	:	Indoor Fan Motor	
FLA	:	Full Load Amps	(A)
W	:	Fan Motor Rated Output	(W)
RHz	:	Rated Operated Frequency	(Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19°CWB
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

4 Capacity tables

4 - 1 Cooling capacity tables

FTXS20G2V1B + RKS20G2V1B

Cooling

50Hz 220-240V

AFR	9.4
BF	0.14

Indoor		Outdoor temperature (°C DB)																	
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	2.05	1.84	0.36	1.96	1.80	0.40	1.86	1.76	0.43	1.83	1.74	0.44	1.77	1.71	0.46	1.68	1.67	0.50
16.0	22	2.14	1.81	0.36	2.05	1.77	0.40	1.95	1.73	0.43	1.92	1.72	0.45	1.86	1.69	0.47	1.77	1.66	0.50
18.0	25	2.23	1.94	0.36	2.14	1.90	0.40	2.05	1.87	0.43	2.01	1.85	0.45	1.95	1.83	0.47	1.86	1.80	0.50
19.0	27	2.28	2.09	0.37	2.19	2.058	0.40	2.09	2.02	0.44	2.06	2.00	0.45	2.00	1.98	0.47	1.91	1.95	0.50
22.0	30	2.42	2.03	0.37	2.32	2.00	0.40	2.23	1.97	0.44	2.19	1.96	0.45	2.14	1.94	0.47	2.05	1.91	0.51
24.0	32	2.51	1.99	0.37	2.42	1.96	0.41	2.32	1.93	0.44	2.29	1.92	0.45	2.23	1.91	0.48	2.14	1.88	0.51

SYMBOLS

AFR	:	Air flow rate	(m3/mim.)
BF	:	Bypass factor	
EWB	:	Entering wet bulb temp.	(°C)
EDB	:	Entering dry bulb temp.	(°C)
TC	:	Total capacity	(kW)
SHC	:	Sensible heat capacity	(kW)
PI	:	Power input	(kW)

NOTES

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

3D059710

FTXS25G2V1B + RKS25G2V1B

Cooling

50Hz 220-240V

AFR	9.1
BF	0.16

Indoor		Outdoor temperature (°C DB)																	
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	2.56	2.03	0.42	2.44	1.98	0.46	2.33	1.92	0.50	2.28	1.90	0.52	2.21	1.87	0.54	2.10	1.81	0.58
16.0	22	2.68	2.00	0.42	2.56	1.95	0.47	2.44	1.89	0.51	2.40	1.87	0.52	2.33	1.84	0.55	2.21	1.79	0.59
18.0	25	2.79	2.11	0.43	2.68	2.06	0.47	2.56	2.02	0.51	2.51	2.00	0.52	2.44	1.97	0.55	2.33	1.92	0.59
19.0	27	2.85	2.24	0.43	2.73	2.20	0.47	2.62	2.15	0.51	2.57	2.13	0.53	2.50	2.11	0.55	2.38	2.06	0.59
22.0	30	3.02	2.17	0.43	2.91	2.13	0.47	2.79	2.09	0.51	2.74	2.07	0.53	2.67	2.05	0.55	2.56	2.01	0.59
24.0	32	3.14	2.12	0.43	3.02	2.08	0.47	2.90	2.05	0.52	2.86	2.03	0.53	2.79	2.01	0.56	2.67	1.97	0.60

SYMBOLS

AFR	:	Air flow rate	(m3/mim.)
BF	:	Bypass factor	
EWB	:	Entering wet bulb temp.	(°C)
EDB	:	Entering dry bulb temp.	(°C)
TC	:	Total capacity	(kW)
SHC	:	Sensible heat capacity	(kW)
PI	:	Power input	(kW)

NOTES

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

3D059711

4 Capacity tables

4 - 1 Cooling capacity tables

FFQ25B8V1B+RKS25G2V1B

AFR	9
BF	0.24

Cooling

220-240V [50Hz]

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	1.95	0.56	2.44	1.89	0.61	2.33	1.84	0.67	2.28	1.81	0.69	2.21	1.78	0.72	2.10	1.72	0.78
16.0	22	2.68	1.92	0.56	2.56	1.86	0.62	2.44	1.81	0.67	2.40	1.79	0.69	2.33	1.76	0.73	2.21	1.71	0.78
18.0	25	2.79	2.01	0.57	2.68	1.96	0.62	2.56	1.92	0.67	2.51	1.90	0.70	2.44	1.87	0.73	2.33	1.82	0.78
19.0	27	2.85	2.13	0.57	2.73	2.08	0.62	2.62	2.04	0.68	2.57	2.02	0.70	2.50	1.99	0.73	2.38	1.94	0.78
22.0	30	3.02	2.06	0.57	2.91	2.02	0.63	2.79	1.97	0.68	2.74	1.96	0.70	2.67	1.93	0.73	2.56	1.89	0.79
24.0	32	3.14	2.01	0.58	3.02	1.97	0.63	2.90	1.93	0.68	2.86	1.91	0.71	2.79	1.89	0.74	2.67	1.85	0.79

3D055488

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

- Capacities are based on the following conditions:
(1) Corresponding refrigerant piping length: 7.5 m
(2) Level difference: 0 m
-  shows nominal (rated) capacities and power input.

FTXS35G2V1B + RKS35G2V1B

AFR	10.4
BF	0.21

Cooling

50Hz 220-240V

Indoor		Outdoor temperature (°C DB)																	
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	3.59	2.60	0.67	3.42	2.52	0.73	3.26	2.43	0.80	3.19	2.40	0.82	3.10	2.35	0.86	2.93	2.27	0.92
16.0	22	3.75	2.55	0.67	3.58	2.47	0.74	3.42	2.40	0.80	3.36	2.37	0.83	3.26	2.32	0.86	3.10	2.25	0.93
18.0	25	3.91	2.66	0.68	3.75	2.59	0.74	3.58	2.52	0.80	3.52	2.49	0.83	3.42	2.45	0.87	3.26	2.38	0.93
19.0	27	3.99	2.80	0.68	3.83	2.73	0.74	3.66	2.66	0.81	3.60	2.63	0.83	3.50	2.59	0.87	3.34	2.52	0.93
22.0	30	4.23	2.70	0.68	4.07	2.64	0.75	3.90	2.57	0.81	3.84	2.55	0.84	3.74	2.51	0.88	3.58	2.45	0.94
24.0	32	4.39	2.62	0.69	4.23	2.57	0.75	4.07	2.51	0.82	4.00	2.49	0.84	3.90	2.45	0.88	3.74	2.40	0.94

SYMBOLS

AFR :	Air flow rate	(m ³ /min.)
BF :	Bypass factor	
EWB :	Entering wet bulb temp.	(°C)
EDB :	Entering dry bulb temp.	(°C)
TC :	Total capacity	(kW)
SHC :	Sensible heat capacity	(kW)
PI :	Power input	(kW)

NOTES

- 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 be used for calculation.)
- About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
- 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 above table.

3D059712

4 Capacity tables

4 - 1 Cooling capacity tables

FBQ35B8V1+RKS35G2V1B																		AFR		11.5	
Cooling																		BF		0.15	
220-240V [50Hz]																					
Indoor		Outdoor temperature (°CDB)																			
EWB	EDB	20			25			30			32			35			40				
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14.0	20	3.48	2.70	0.90	3.33	2.62	0.98	3.17	2.55	1.07	3.10	2.52	1.11	3.01	2.47	1.16	2.85	2.40	1.24		
16.0	22	3.64	2.65	0.90	3.48	2.58	0.99	3.32	2.51	1.08	3.26	2.48	1.11	3.17	2.44	1.16	3.01	2.37	1.25		
18.0	25	3.80	2.80	0.91	3.64	2.73	0.99	3.48	2.66	1.08	3.42	2.64	1.12	3.32	2.60	1.17	3.16	2.53	1.25		
19.0	27	3.87	2.96	0.91	3.72	2.90	1.00	3.56	2.84	1.08	3.49	2.81	1.12	3.40	2.77	1.17	3.24	2.71	1.26		
22.0	30	4.11	2.86	0.92	3.95	2.81	1.00	3.79	2.75	1.09	3.73	2.73	1.13	3.63	2.70	1.18	3.48	2.64	1.26		
24.0	32	4.27	2.79	0.92	4.11	2.74	1.01	3.95	2.69	1.10	3.89	2.67	1.13	3.79	2.64	1.18	3.63	2.59	1.27		

3D055494

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

- Capacities are based on the following conditions:
(1) Corresponding refrigerant piping length: 7.5 m
(2) Level difference: 0 m
-  shows nominal (rated) capacities and power input.

FCQ35C7VEB+RKS35G2V1B																		AFR		10.5	
Cooling																		BF		0.28	
220-240V [50Hz]																					
Indoor		Outdoor temperature (°CDB)																			
EWB	EDB	20			25			30			32			35			40				
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14.0	20	3.48	2.49	0.73	3.33	2.40	0.80	3.17	2.32	0.87	3.10	2.29	0.90	3.01	2.24	0.94	2.85	2.16	1.01		
16.0	22	3.64	2.44	0.73	3.48	2.37	0.80	3.32	2.29	0.87	3.26	2.26	0.90	3.17	2.21	0.94	3.01	2.14	1.01		
18.0	25	3.80	2.54	0.74	3.64	2.47	0.81	3.48	2.40	0.88	3.42	2.37	0.91	3.32	2.33	0.95	3.16	2.26	1.02		
19.0	27	3.87	2.67	0.74	3.72	2.60	0.81	3.56	2.53	0.88	3.49	2.50	0.91	3.40	2.46	0.95	3.24	2.39	1.02		
22.0	30	4.11	2.57	0.75	3.95	2.50	0.82	3.79	2.44	0.89	3.73	2.42	0.91	3.63	2.38	0.96	3.48	2.32	1.03		
24.0	32	4.27	2.49	0.75	4.11	2.44	0.82	3.95	2.38	0.89	3.89	2.36	0.92	3.79	2.33	0.96	3.63	2.27	1.03		

3D057247

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

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

4 Capacity tables

4 - 1 Cooling capacity tables

FFQ35B8V1B+RKS35G2V1B

AFR	10
BF	0.25

Cooling

220-240V [50Hz]

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.48	0.84	3.33	2.40	0.93	3.17	2.32	1.01	3.10	2.29	1.04	3.01	2.24	1.09	2.85	2.16	1.17
16.0	22	3.64	2.44	0.85	3.48	2.36	0.93	3.32	2.28	1.01	3.26	2.25	1.04	3.17	2.21	1.09	3.01	2.13	1.17
18.0	25	3.80	2.54	0.85	3.64	2.46	0.93	3.48	2.39	1.02	3.42	2.36	1.05	3.32	2.32	1.10	3.16	2.25	1.18
19.0	27	3.87	2.66	0.86	3.72	2.59	0.94	3.56	2.52	1.02	3.49	2.49	1.05	3.40	2.45	1.10	3.24	2.39	1.18
22.0	30	4.11	2.56	0.86	3.95	2.50	0.94	3.79	2.44	1.03	3.73	2.41	1.06	3.63	2.38	1.11	3.48	2.32	1.19
24.0	32	4.27	2.49	0.87	4.11	2.43	0.95	3.95	2.37	1.03	3.89	2.35	1.06	3.79	2.32	1.11	3.63	2.26	1.19

3D055490

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

- Capacities are based on the following conditions:
(1) Corresponding refrigerant piping length: 7.5 m
(2) Level difference: 0 m
- shows nominal (rated) capacities and power input.

FHQ35BVV1B+RKS35G2V1B

AFR	13
BF	0.20

Cooling

220-240V [50Hz]

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.76	0.81	3.33	2.69	0.88	3.17	2.61	0.96	3.10	2.58	0.99	3.01	2.54	1.04	2.85	2.47	1.12
16.0	22	3.64	2.72	0.81	3.48	2.65	0.89	3.32	2.58	0.97	3.26	2.55	1.00	3.17	2.51	1.04	3.01	2.44	1.12
18.0	25	3.80	2.87	0.81	3.64	2.81	0.89	3.48	2.74	0.97	3.42	2.72	1.00	3.32	2.68	1.05	3.16	2.61	1.13
19.0	27	3.87	3.05	0.82	3.72	2.99	0.89	3.56	2.93	0.97	3.49	2.90	1.00	3.40	2.87	1.05	3.24	2.80	1.13
22.0	30	4.11	2.95	0.82	3.95	2.90	0.90	3.79	2.84	0.98	3.73	2.82	1.01	3.63	2.79	1.06	3.48	2.73	1.13
24.0	32	4.27	2.88	0.83	4.11	2.83	0.91	3.95	2.78	0.98	3.89	2.76	1.02	3.79	2.73	1.06	3.63	2.68	1.14

3D055197

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

- Capacities are based on the following conditions:
(1) Corresponding refrigerant piping length: 7.5 m
(2) Level difference: 0 m
- shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 1 Cooling capacity tables

FTXS42G2V1B + RKS42G2V1B

Cooling

50Hz 220-240V

AFR	9.1
BF	0.14

Indoor		Outdoor temperature (°C DB)																	
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	3.81	2.68	0.87	3.81	2.68	0.99	3.81	2.68	1.10	3.81	2.68	1.15	3.72	2.63	1.21	3.52	2.53	1.30
16.0	22	4.50	2.90	0.94	4.30	2.80	1.03	4.11	2.70	1.12	4.03	2.66	1.16	3.91	2.60	1.21	3.71	2.50	1.30
18.0	25	4.69	2.99	0.95	4.49	2.90	1.04	4.30	2.81	1.13	4.22	2.77	1.16	4.10	2.71	1.22	3.91	2.62	1.31
19.0	27	4.79	3.12	0.95	4.59	3.03	1.04	4.40	2.93	1.13	4.32	2.90	1.17	4.20	2.85	1.22	4.00	2.76	1.31
22.0	30	5.08	2.99	0.96	4.88	2.91	1.05	4.69	2.83	1.14	4.61	2.80	1.17	4.49	2.75	1.23	4.29	2.67	1.32
24.0	32	5.27	2.90	0.96	5.07	2.82	1.05	4.88	2.75	1.14	4.80	2.72	1.18	4.68	2.68	1.23	4.49	2.61	1.32

SYMBOLS

AFR	: Air flow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

NOTES

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

3D059713

FTXS50G2V1B + RKS50G2V1B

Cooling

50Hz 220-240V

AFR	10.2
BF	0.18

Indoor		Outdoor temperature (°C DB)																	
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	4.07	2.87	1.05	4.07	2.87	1.19	4.07	2.87	1.33	4.07	2.87	1.39	4.07	2.87	1.47	4.07	2.87	1.61
16.0	22	5.00	3.20	1.14	5.00	3.20	1.27	4.89	3.14	1.40	4.79	3.09	1.44	4.65	3.02	1.51	4.42	2.90	1.62
18.0	25	5.58	3.49	1.18	5.35	3.37	1.29	5.12	3.25	1.40	5.02	3.21	1.45	4.88	3.14	1.52	4.65	3.03	1.63
19.0	27	5.70	3.62	1.18	5.47	3.50	1.30	5.23	3.39	1.41	5.14	3.34	1.45	5.00	3.28	1.52	4.77	3.17	1.63
22.0	30	6.04	3.47	1.19	5.81	3.36	1.31	5.58	3.26	1.42	5.49	3.22	1.46	5.35	3.16	1.53	5.11	3.07	1.64
24.0	32	6.27	3.35	1.20	6.04	3.26	1.31	5.81	3.17	1.42	5.72	3.13	1.47	5.58	3.08	1.54	5.34	2.99	1.65

SYMBOLS

AFR	: Air flow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C)
EDB	: Entering dry bulb temp.	(°C)
TC	: Total capacity	(kW)
SHC	: Sensible heat capacity	(kW)
PI	: Power input	(kW)

NOTES

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

3D059720

4 Capacity tables

4 - 1 Cooling capacity tables

FFQ50B8V1B+RKS50G2V1B

AFR	12.0
BF	0.16

Cooling

230V [50Hz]

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

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating 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
 $SHC^* = SHC \text{ correction for other dry bulb}$
 $= 0.02 \times AFR(m^3/min.) \times (1 - BF) \times (DB^* - EDB)$
 Add SHC* to SHC.
- Capacities are based on following conditions:
 Corresponding refrigerant piping length: 7.5 m
 Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above.

4 Capacity tables

4 - 1 Cooling capacity tables

FBQ50B8V1+RKS50G2V1B

Cooling

220-240V [50Hz]

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
50	14.0	20.0	5.1	3.6	1.67	4.9	3.5	1.67	4.8	3.4	1.70	4.7	3.4	1.80	4.6	3.4	1.88	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	1.70	4.9	3.4	1.83	4.8	3.4	1.88	4.8	3.3	1.98
	18.0	25.0	5.4	3.6	1.60	5.2	3.6	1.72	5.1	3.5	1.81	5.0	3.5	1.86	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
60	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

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)

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
-  shows nominal (rated) capacities and power input.
- SHC is based on each EWB and EDB
 $SHC^* = SHC \text{ correction for other dry bulb}$
 $= 0.29 \times 60 \times AFR [m^3/min.] \times (1-BF) \times (DB^*-EDB)/860$
 Add SHC* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible.
Do not extrapolate.
- Capacities are based on following conditions:
 Corresponding refrigerant piping length: 7.5 m
 Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above.

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

4 Capacity tables

4 - 1 Cooling capacity tables

FCQ50C7VEB+RKS50G2V1B

AFR	12.5
BF	0.21

Cooling

220-240V [50Hz]

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.12	3.56	1.08	4.89	3.43	1.19	4.66	3.31	1.29	4.56	3.26	1.33	4.42	3.18	1.39	4.19	3.06	1.50
16.0	22	5.35	3.49	1.09	5.12	3.37	1.19	4.89	3.26	1.30	4.79	3.21	1.34	4.65	3.14	1.40	4.42	3.03	1.50
18.0	25	5.58	3.62	1.09	5.35	3.50	1.20	5.12	3.40	1.30	5.02	3.35	1.34	4.88	3.29	1.41	4.65	3.18	1.51
19.0	27	5.70	3.77	1.10	5.47	3.67	1.20	5.23	3.56	1.31	5.14	3.52	1.35	5.00	3.46	1.41	4.77	3.35	1.51
22.0	30	6.04	3.62	1.11	5.81	3.53	1.21	5.58	3.44	1.32	5.49	3.40	1.36	5.35	3.34	1.42	5.11	3.25	1.52
24.0	32	6.27	3.52	1.11	6.04	3.43	1.22	5.81	3.34	1.32	5.72	3.31	1.36	5.58	3.26	1.43	5.34	3.18	1.53

3D057249

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

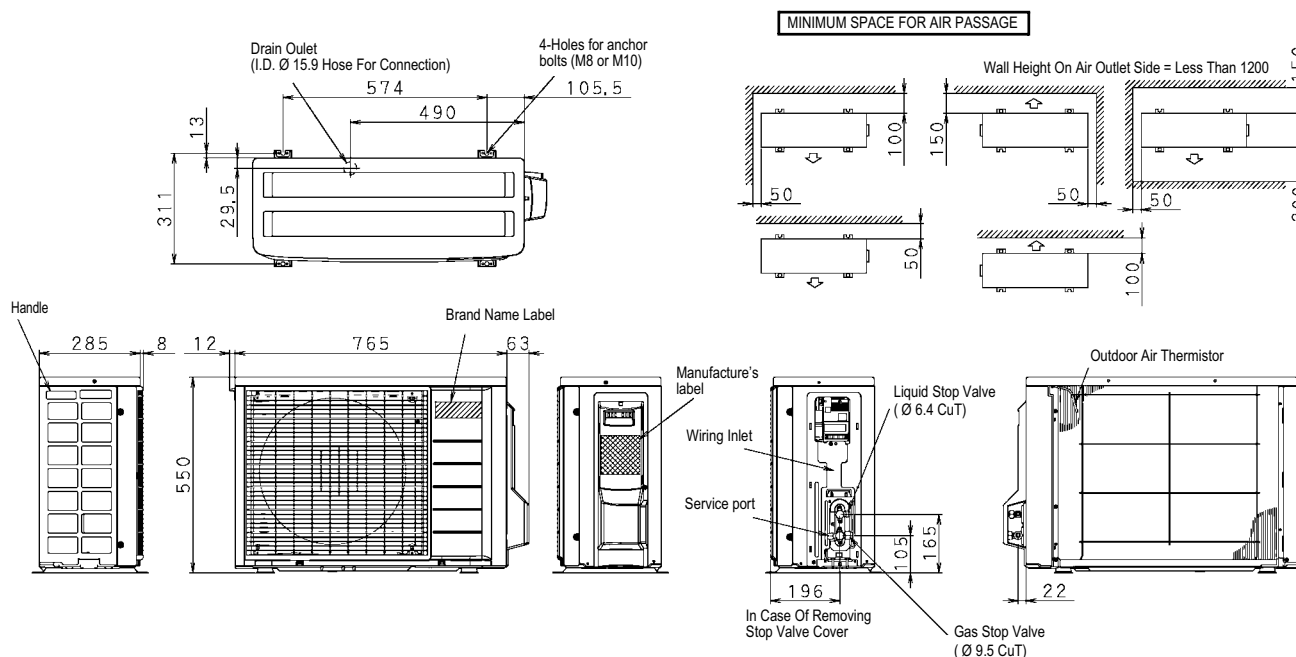
NOTES

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

5 Dimensional drawing & centre of gravity

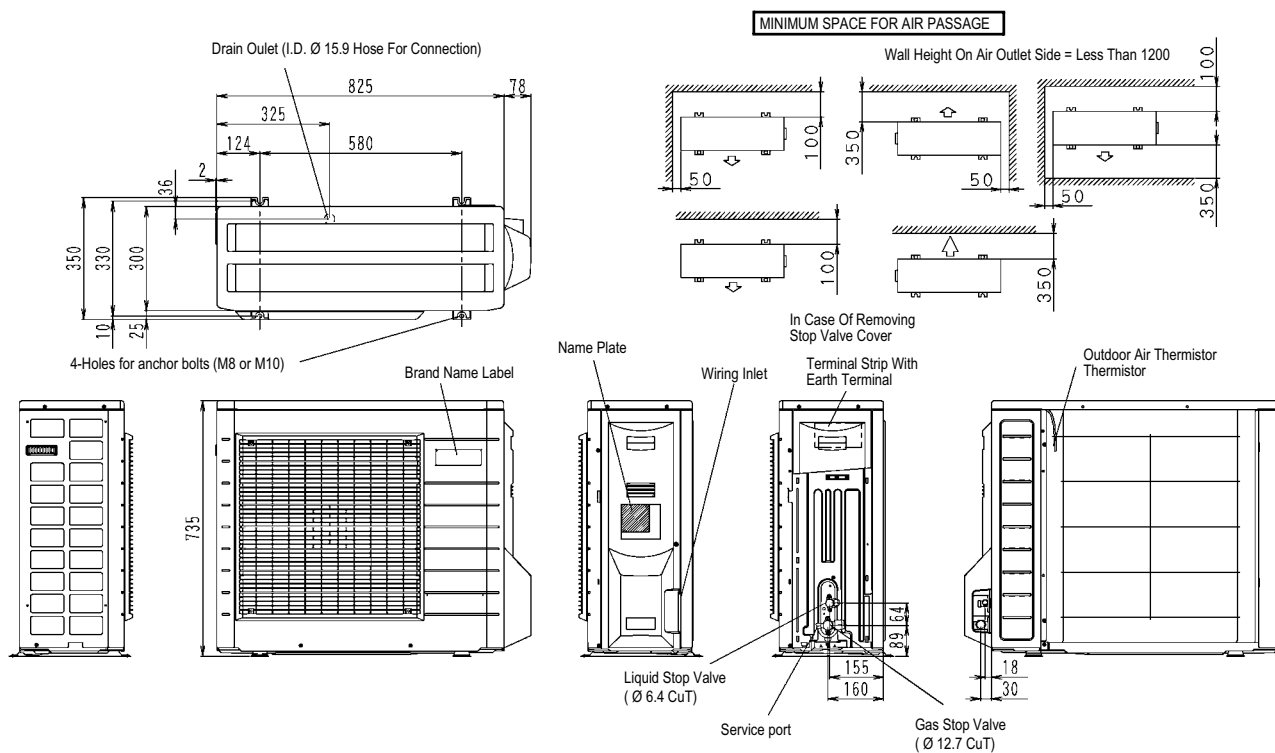
5 - 1 Dimensional drawing

RKS20-42G



3D055546A

RKS50G



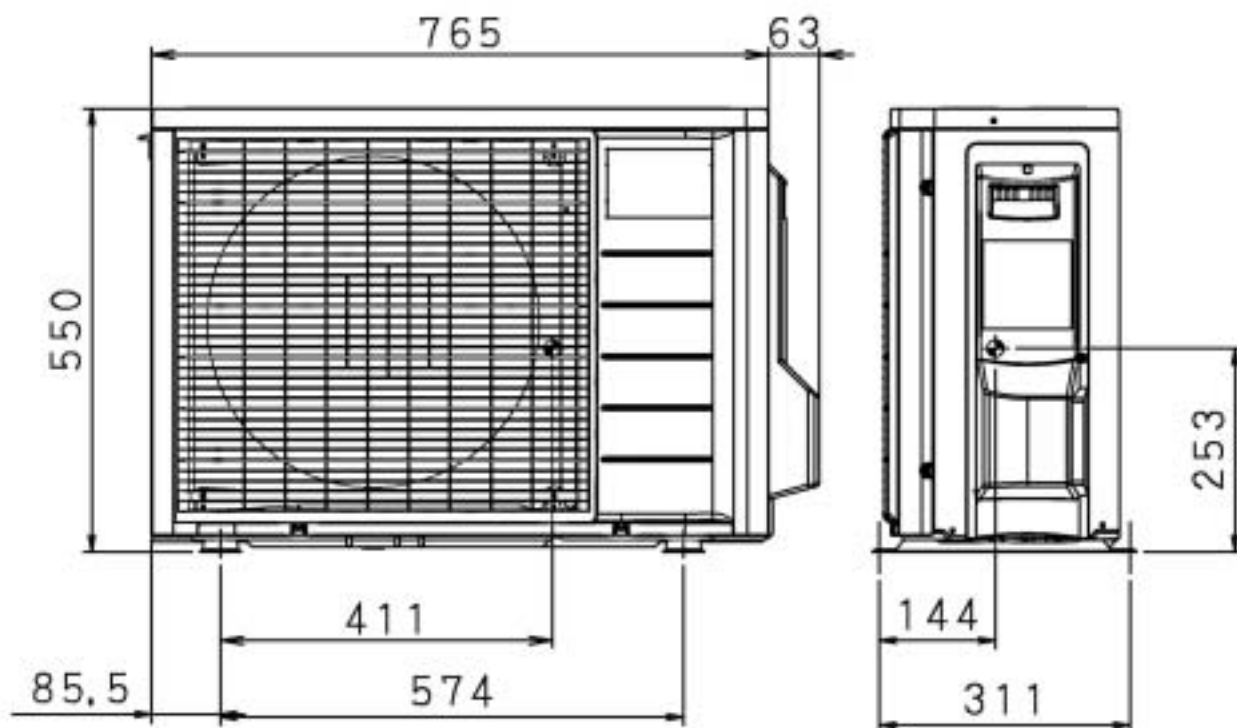
3D051657H

5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

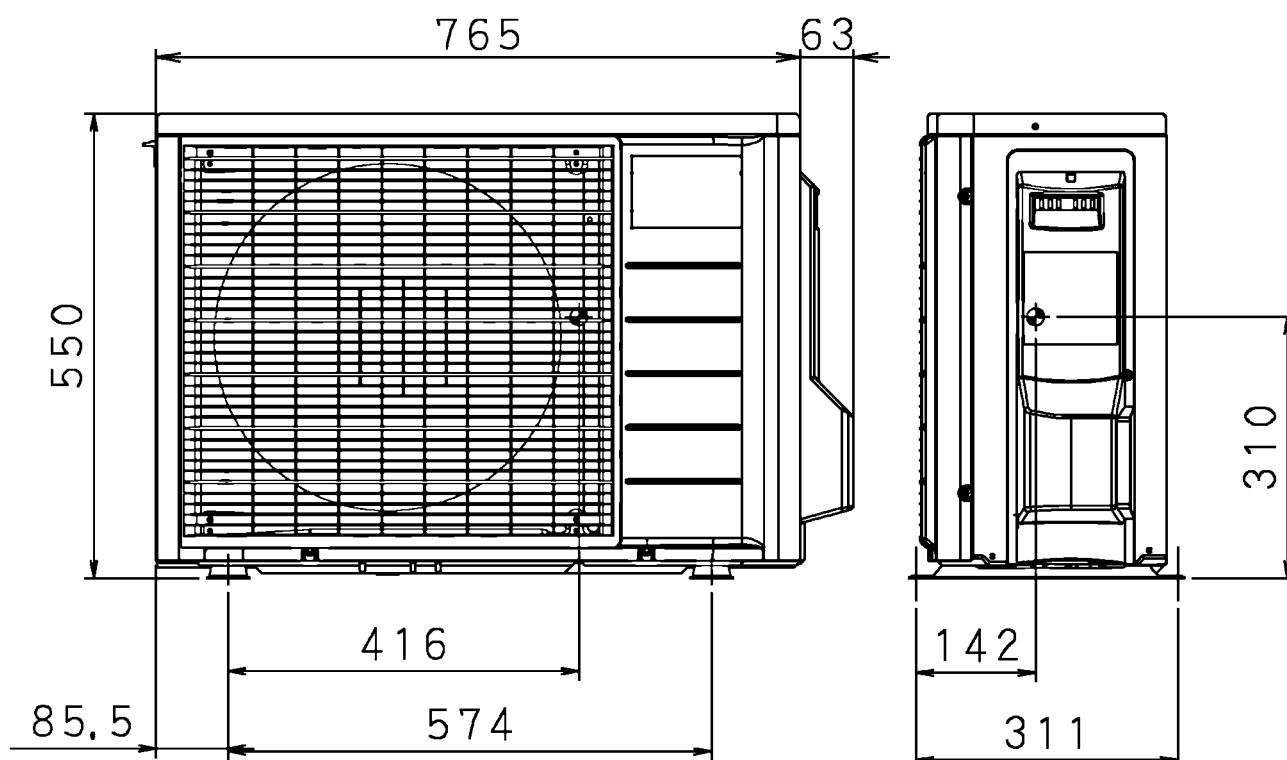
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RKS20-35G



4D056351D

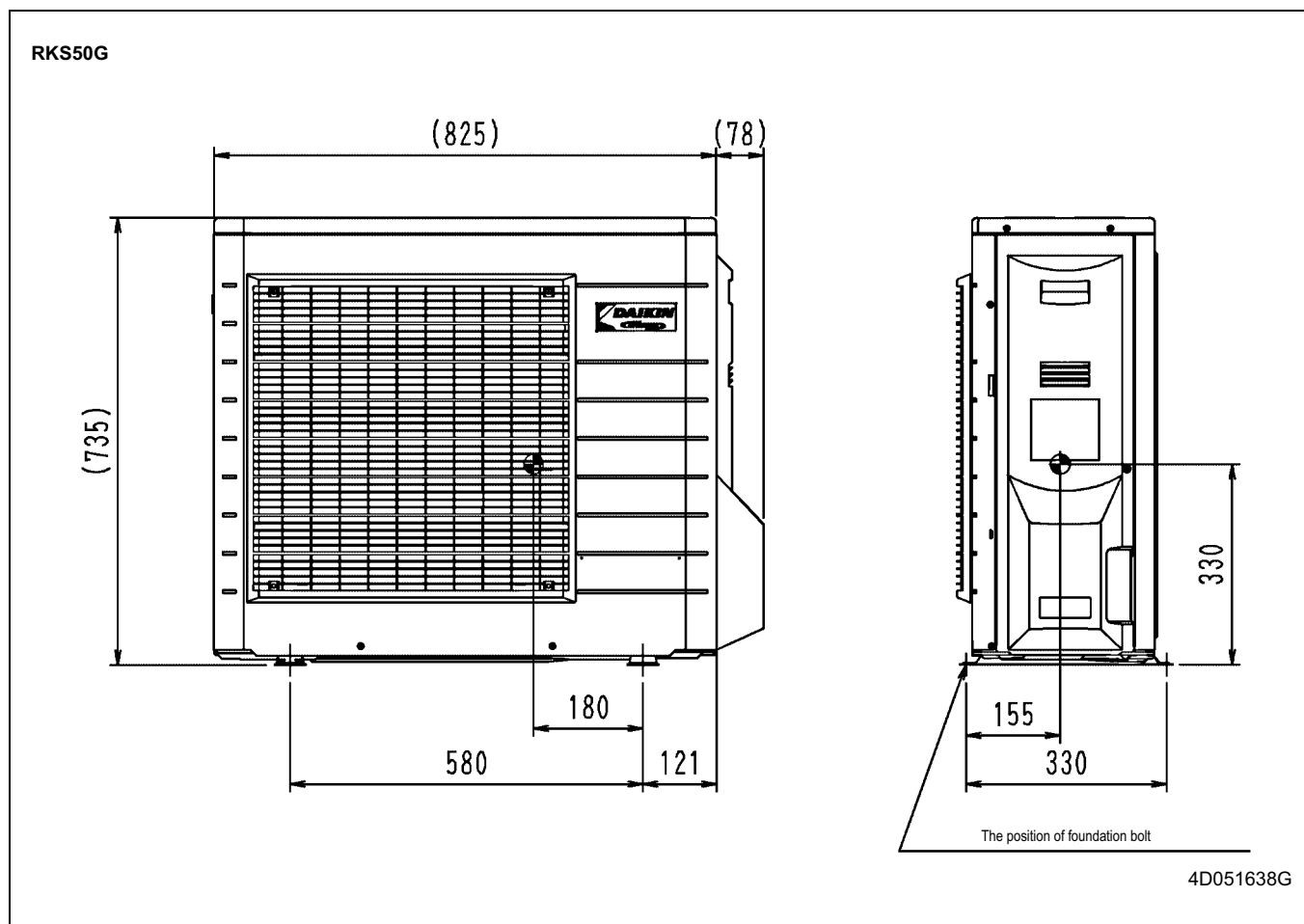
RKS42G



4D059009A

5 Dimensional drawing & centre of gravity

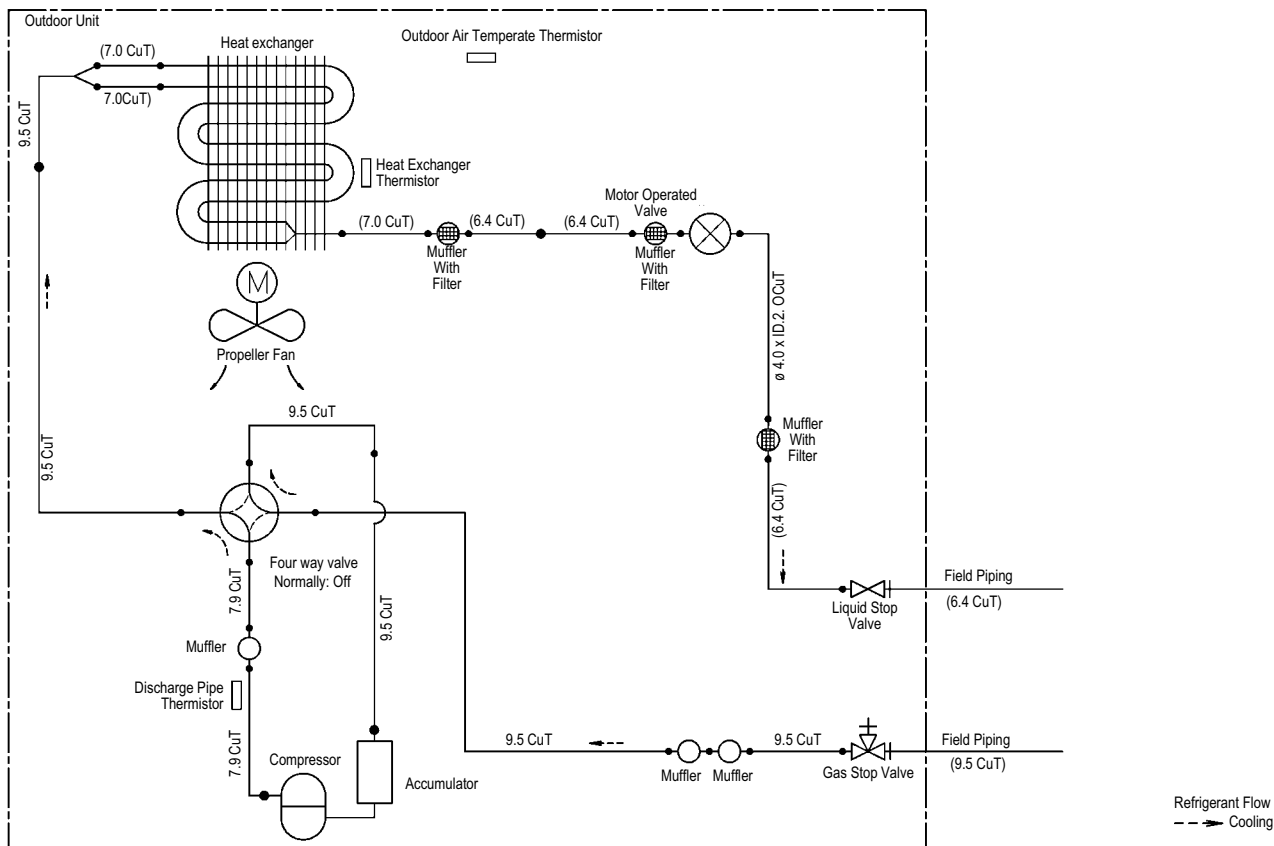
5 - 2 Centre of gravity



6 Piping diagram

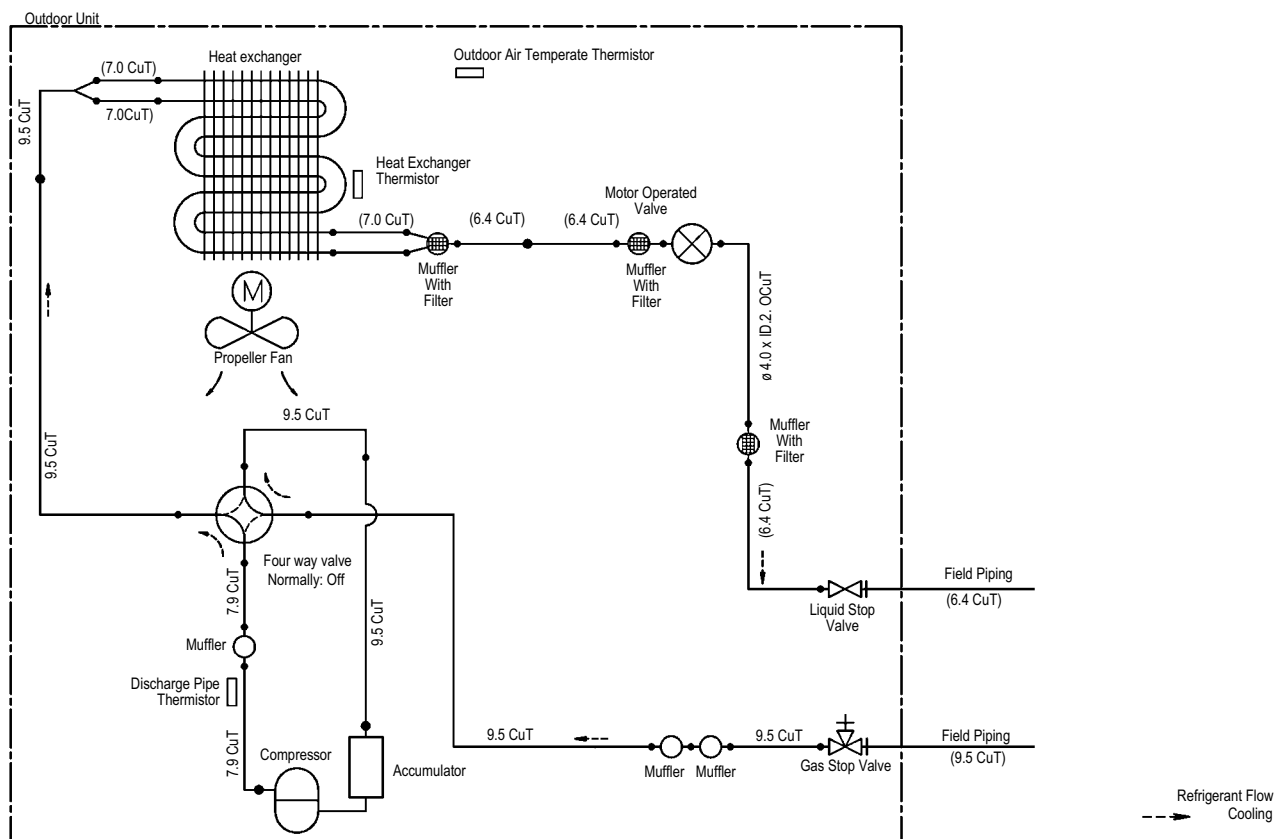
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RKS20G



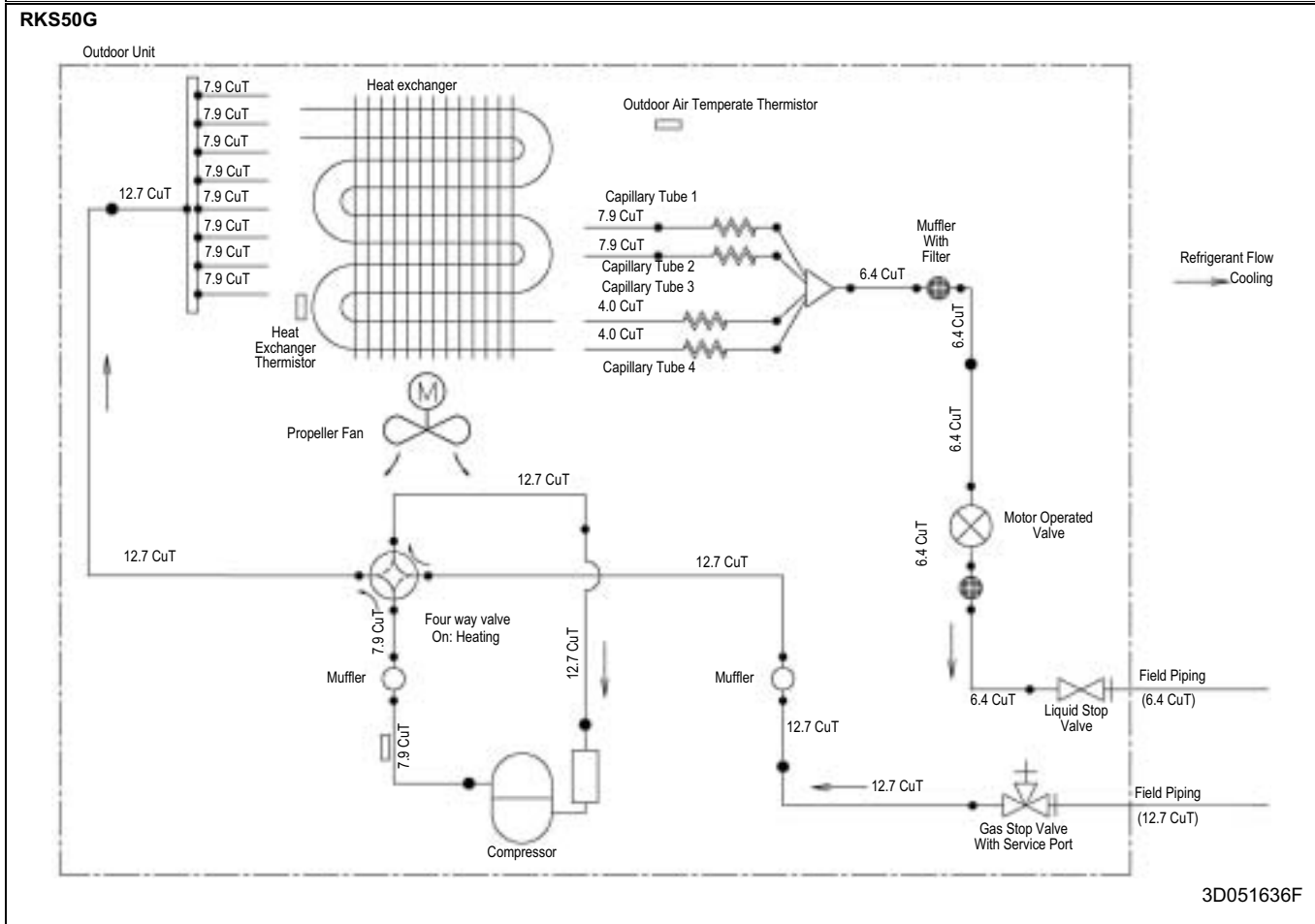
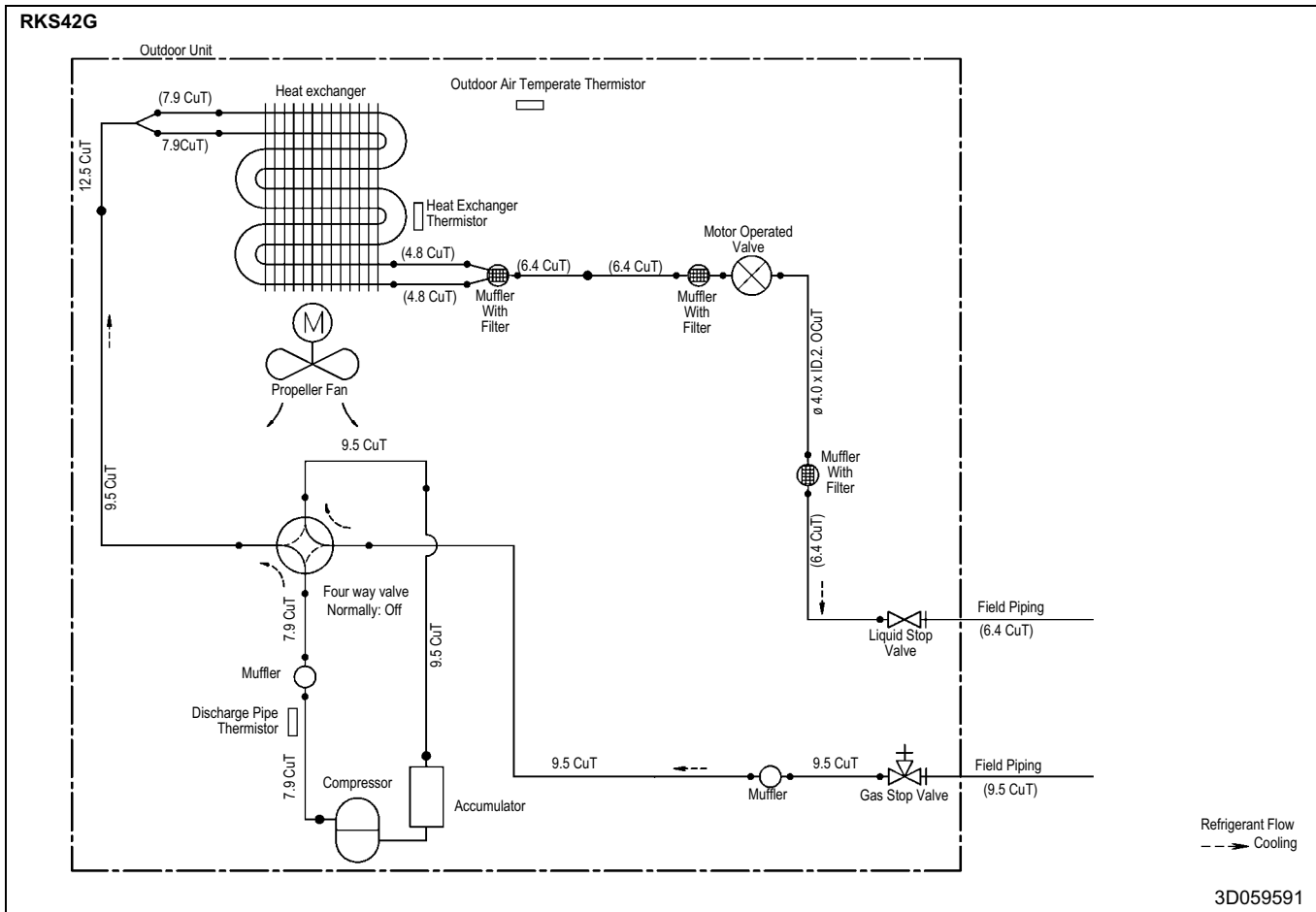
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RKS25-35G



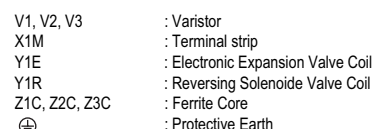
3D059589

6 Piping diagram



7 - 1 Wiring diagram

WIRING DIAGRAM



3D058684A

1 Refer to the nameplate for the power requirements.

WIRING DIAGRAM

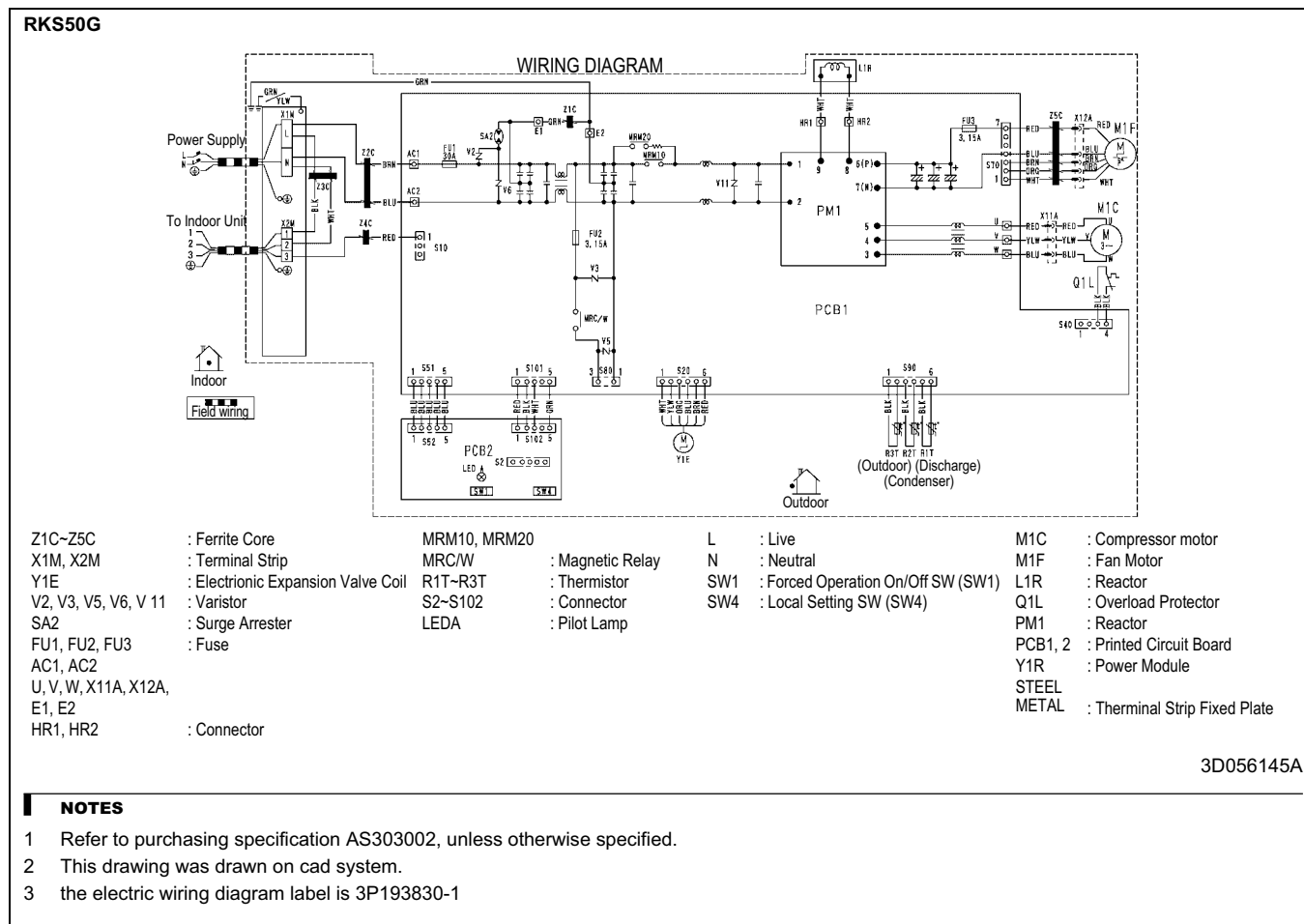


3D059615

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

7 Wiring diagram

7 - 1 Wiring diagram

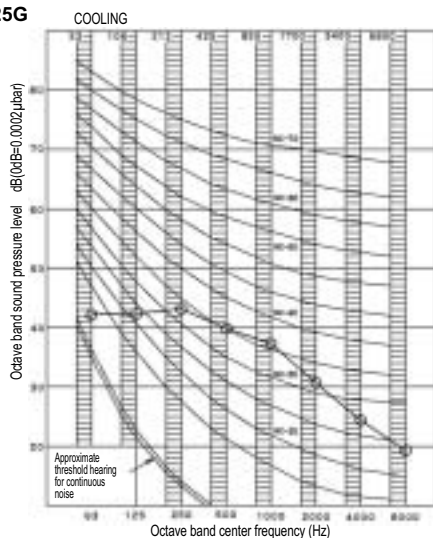


8 Sound data

8 - 1 Sound pressure spectrum

8

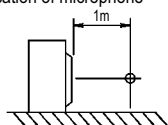
RKS20-25G



4D059600

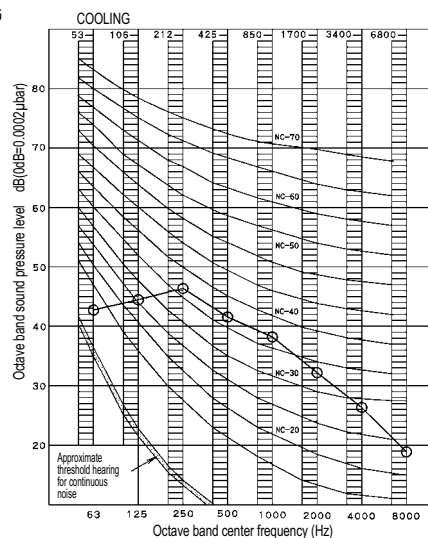
NOTES

- Operating conditions:
○ — ○ : 50 Hz 220-240V (dB) Overall (dB)
Cooling
- Measure in anechoic room
- Location of microphone



- Operation noise differs with operation and ambient conditions.

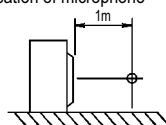
RKS35G



4D059594

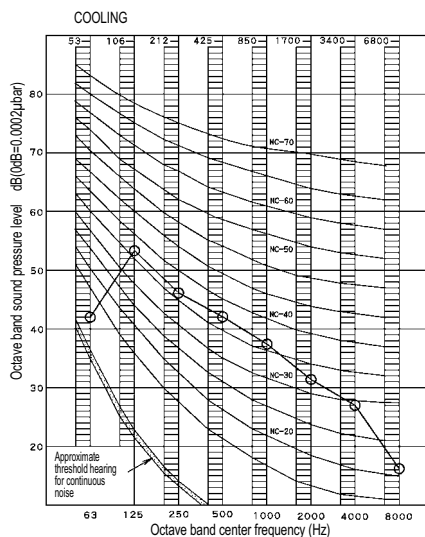
NOTES

- Operating conditions:
○ — ○ : 50 Hz 220-240V (dB) Overall (dB)
Cooling
- Measure in anechoic room
- Location of microphone



- Operation noise differs with operation and ambient conditions.

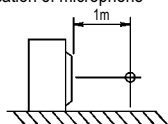
RKS42G



4D059598

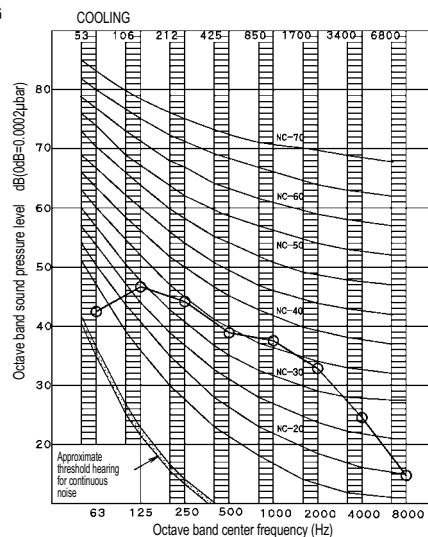
NOTES

- Operating conditions:
○ — ○ : 50 Hz 220-240V (dB) Overall (dB)
Cooling
- Measure in anechoic room
- Location of microphone



- Operation noise differs with operation and ambient conditions.

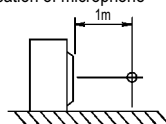
RKS50G



4D059739

NOTES

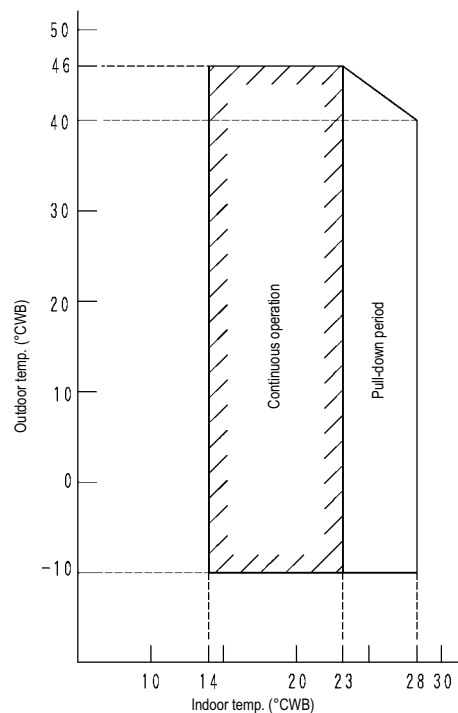
- Operating conditions:
○ — ○ : 50 Hz 220-240V (dB) Overall (dB)
Cooling
- Measure in anechoic room
- Location of microphone



- Operation noise differs with operation and ambient conditions.

9 Operation range

RKS20-50G



4D029297T

NOTES

- The graphs are based on the following conditions.
 - Equivalent piping length 7.5m
 - Level difference 0m
 - Air Flow Rate High

1

Split - Sky Air



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



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.



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.

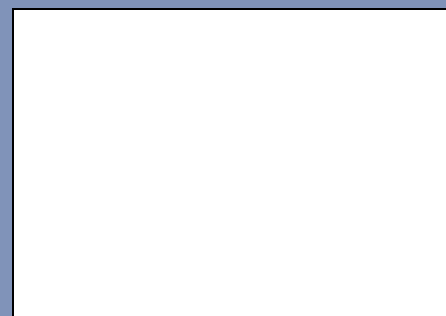


Daikin units comply with the European regulations that guarantee the safety of the product.



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