

# 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

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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				

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## 2 Specifications

2-2 TECHNICAL SPECIFICATIONS				RKS20G2V1B	RKS25G2V1B	RKS35G2V1B	RKS42G2V1B	RKS50G2V1B	
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	
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					
Operation Range	Cooling	Min	xCDB	-10	-10	-10	-10	-10	
		Max	xCDB	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	

## 2 Specifications

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2-2 TECHNICAL SPECIFICATIONS				RKS20G2V1B	RKS25G2V1B	RKS35G2V1B	RKS42G2V1B	RKS50G2V1B	
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

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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. 27C°DB/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)
- 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
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)
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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

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Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ35BV1B	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. 27C°DB/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 larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

# 4 Capacity tables

## 4 - 1 Cooling capacity tables

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### FTXS20G2V1B + RKS20G2V1B

Cooling

50Hz 220-240V

AFR	9.4
BF	0.14

Indoor		Outdoor temperature (°C DB)																	
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	2.05	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 °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	2.56	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

<b>FFQ25B8V1B+RKS25G2V1B</b>																		AFR	9
<b>Cooling</b>																		BF	0.24
<b>220-240V [50Hz]</b>																			
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 <sup>3</sup> /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

### Cooling

50Hz 220-240V

AFR	10.4
BF	0.21

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 <sup>3</sup> /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

1  
4

<b>FBQ35B8V1+RKS35G2V1B</b>																		AFR	11.5
<b>Cooling</b>																		BF	0.15
<b>220-240V [50Hz]</b>																			
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 <sup>3</sup> /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.

<b>FCQ35C7VEB+RKS35G2V1B</b>																		AFR	10.5
<b>Cooling</b>																		BF	0.28
<b>220-240V [50Hz]</b>																			
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 <sup>3</sup> /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


<b>FFQ35B8V1B+RKS35G2V1B</b>																			AFR	10
<b>Cooling</b>																			BF	0.25
<b>220-240V [50Hz]</b>																				
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 <sup>3</sup> /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.


<b>FHQ35BVV1B+RKS35G2V1B</b>																			AFR	13
<b>Cooling</b>																			BF	0.20
<b>220-240V [50Hz]</b>																				
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 <sup>3</sup> /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

1  
4

### FTXS42G2V1B + RKS42G2V1B

Cooling

50Hz 220-240V

AFR	9.1
BF	0.14

Indoor		Outdoor temperature (°C DB)																	
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	3.81	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 (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.

3D059713

### FTXS50G2V1B + RKS50G2V1B

Cooling

50Hz 220-240V

AFR	10.2
BF	0.18

Indoor		Outdoor temperature (°C DB)																	
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	4.07	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 (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.

3D059720

# 4 Capacity tables

## 4 - 1 Cooling capacity tables


<b>FFQ50B8V1B+RKS50G2V1B</b>																		AFR	12.0
<b>Cooling</b>																		BF	0.16
																		<b>230V [50Hz]</b>	
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	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 <sup>3</sup> /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  
 $SHC^* = SHC \text{ correction for other dry bulb}$   
 $= 0.02 * AFR(m^3/min.) * (1 - BF) * (DB^* - EDB)$   
 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

1  
4

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	1,57	4,9	3,5	1,67	4,8	3,4	1,76	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	1,79	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	2,08
	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

3TW25112-1B

### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /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

<b>FCQ50C7VEB+RKS50G2V1B</b>																		AFR	12.5
<b>Cooling</b>																		BF	0.21
																		<b>220-240V [50Hz]</b>	
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 <sup>3</sup> /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.

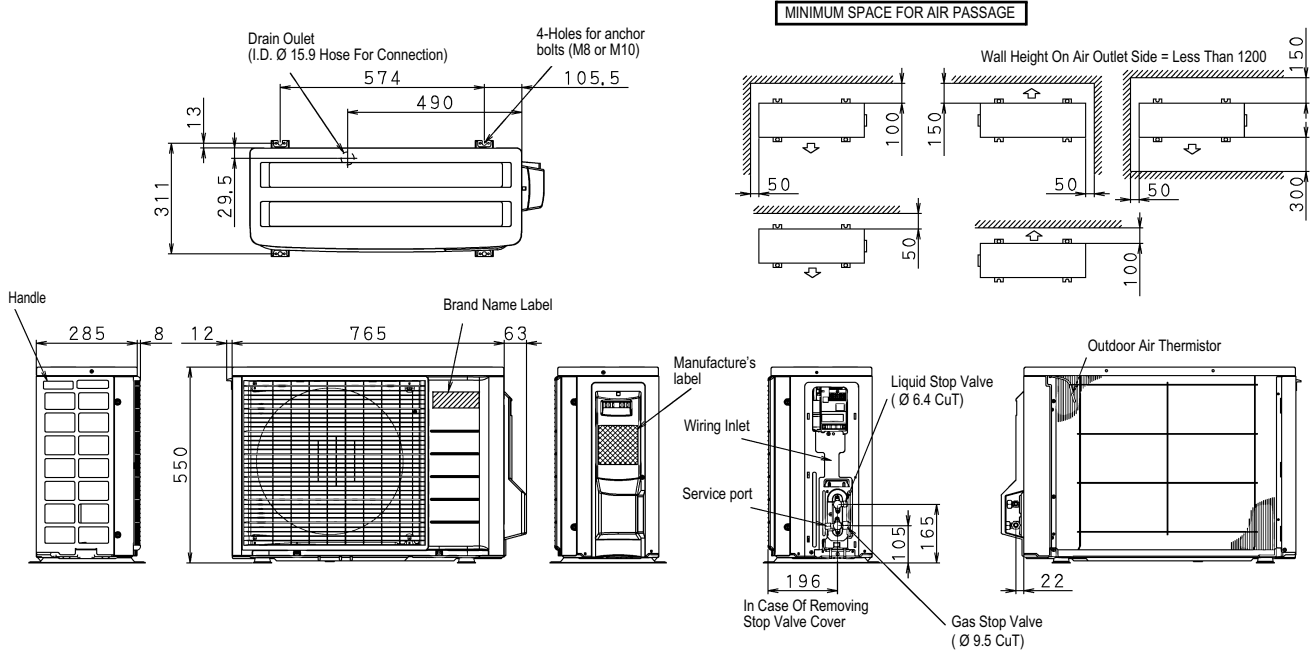
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# 5 Dimensional drawing & centre of gravity

## 5 - 1 Dimensional drawing

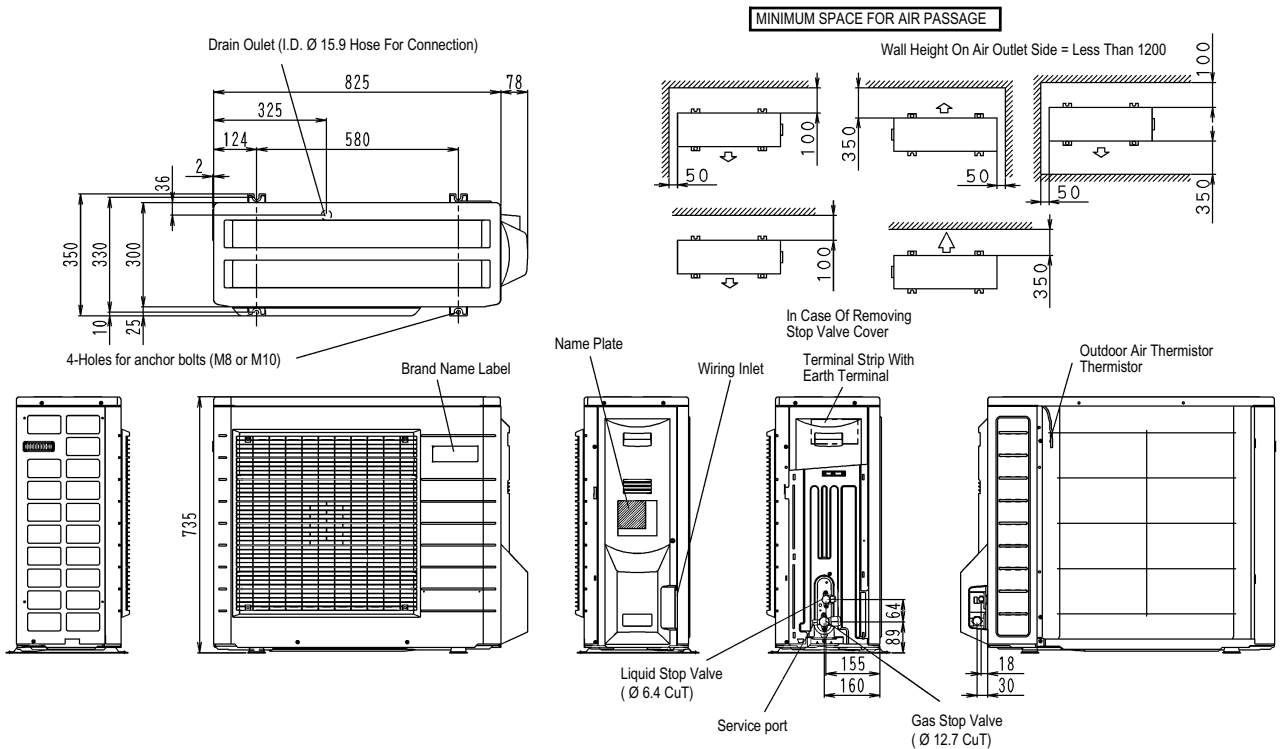
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RKS20-42G



3D055546A

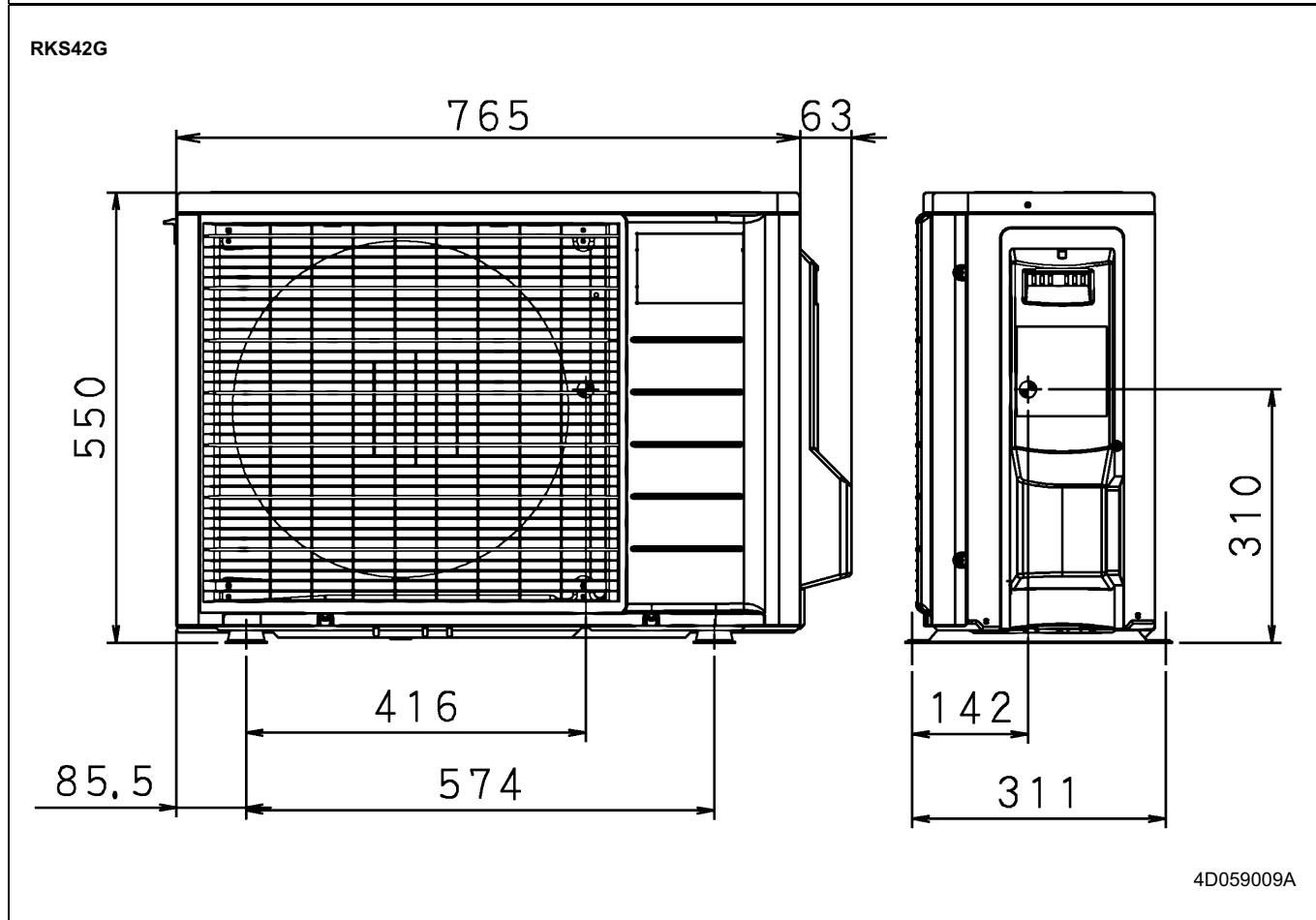
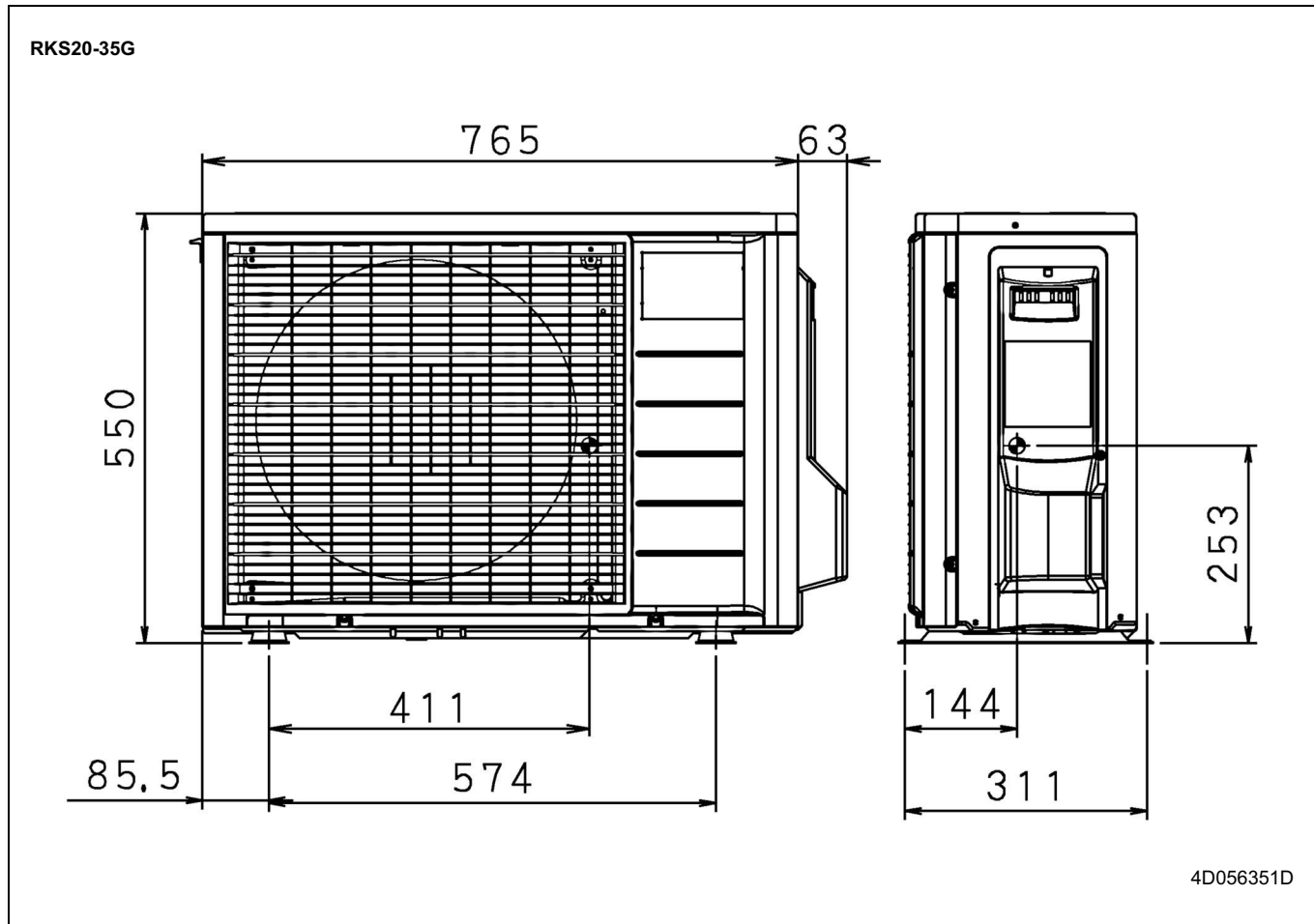
RKS50G



3D051657H

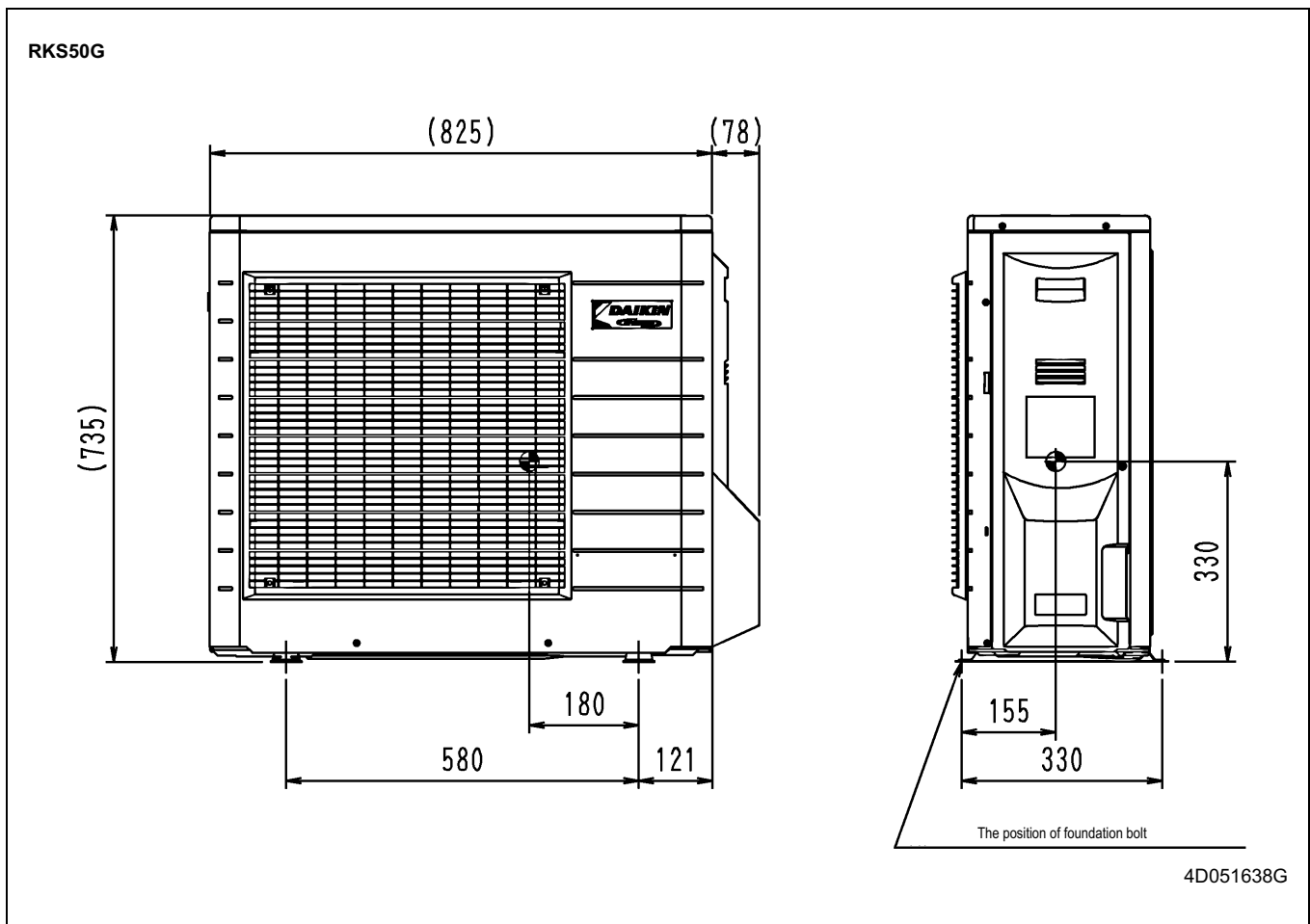
## 5 Dimensional drawing & centre of gravity

### 5 - 2 Centre of gravity

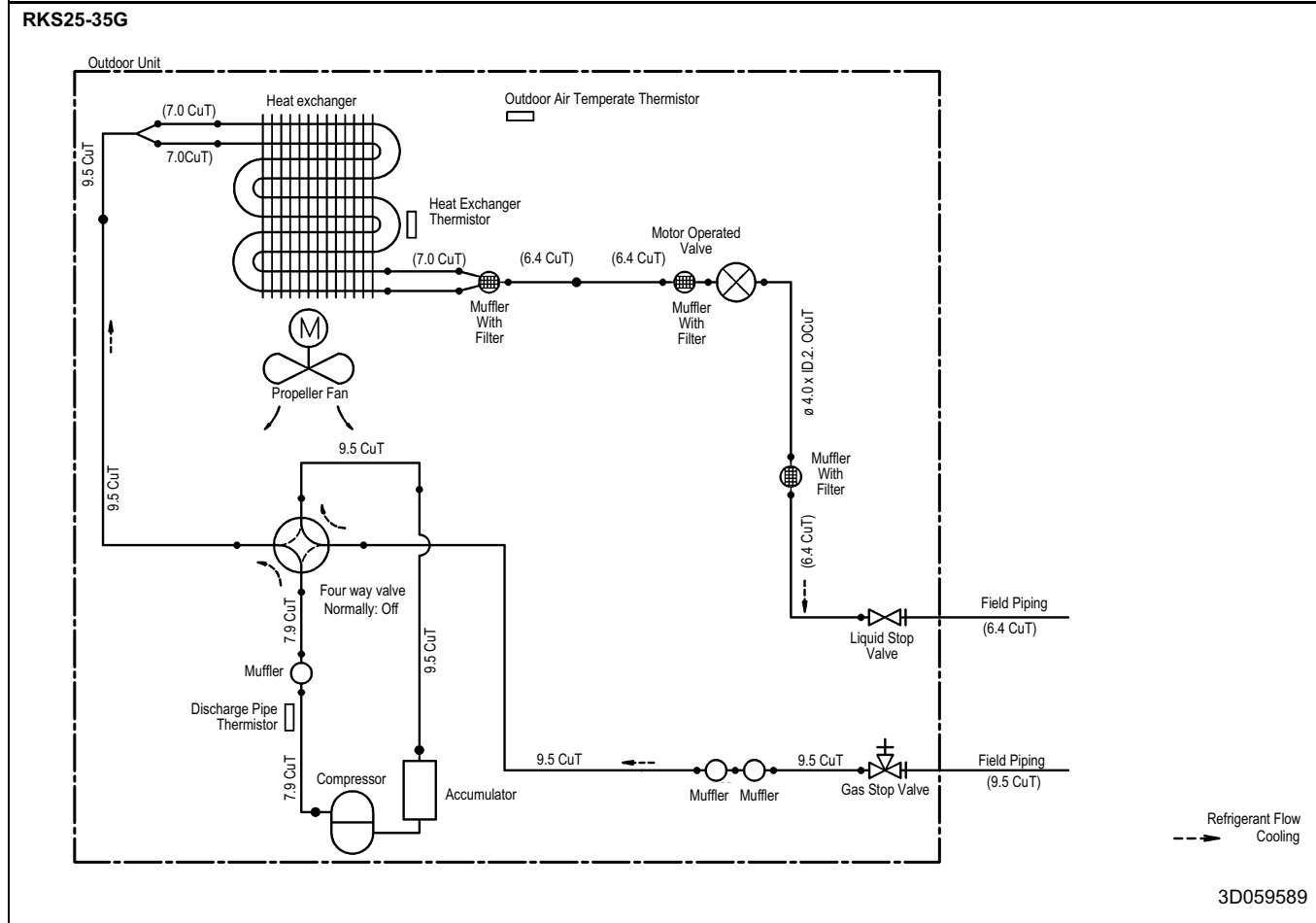
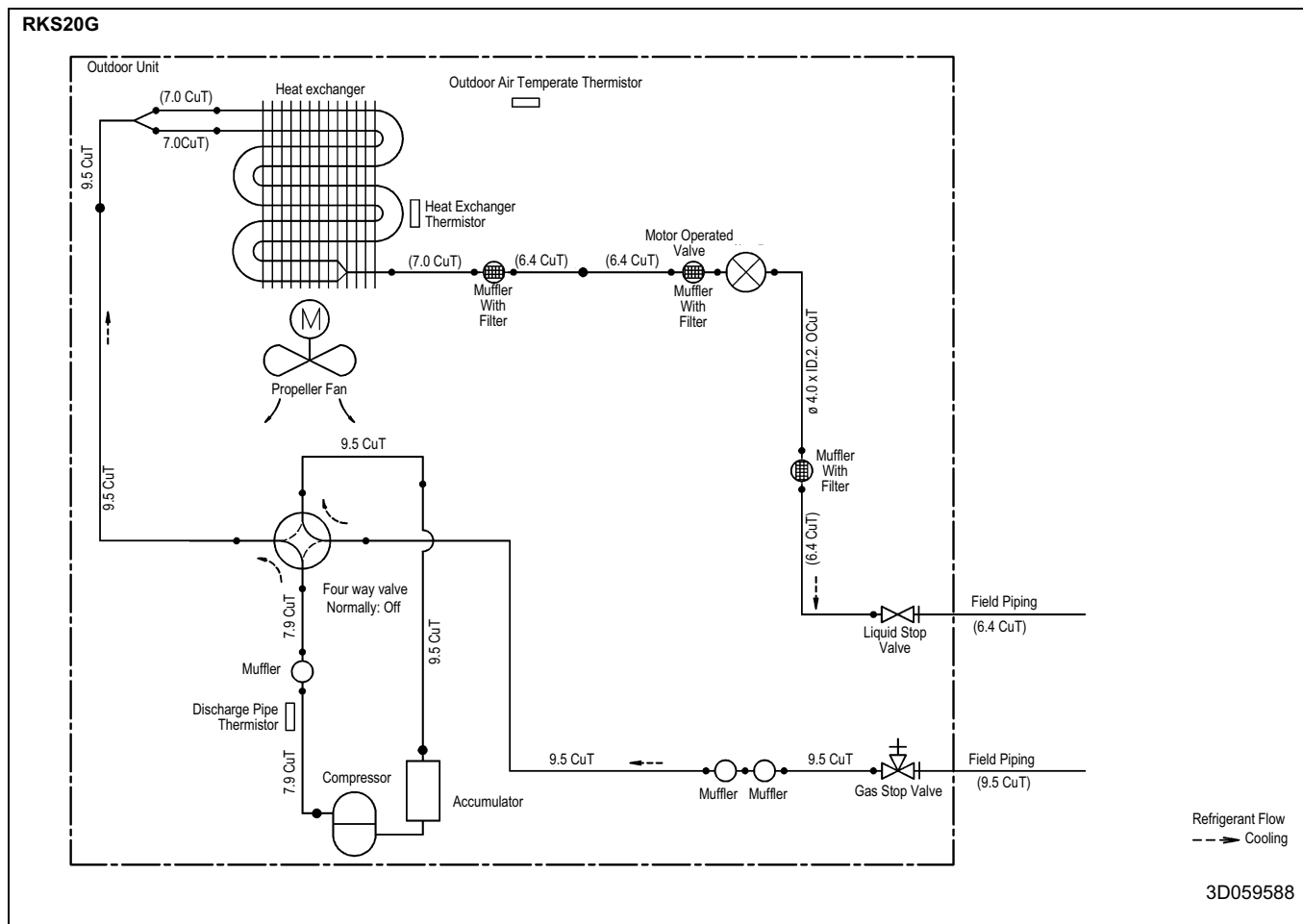


## 5 Dimensional drawing & centre of gravity

### 5 - 2 Centre of gravity

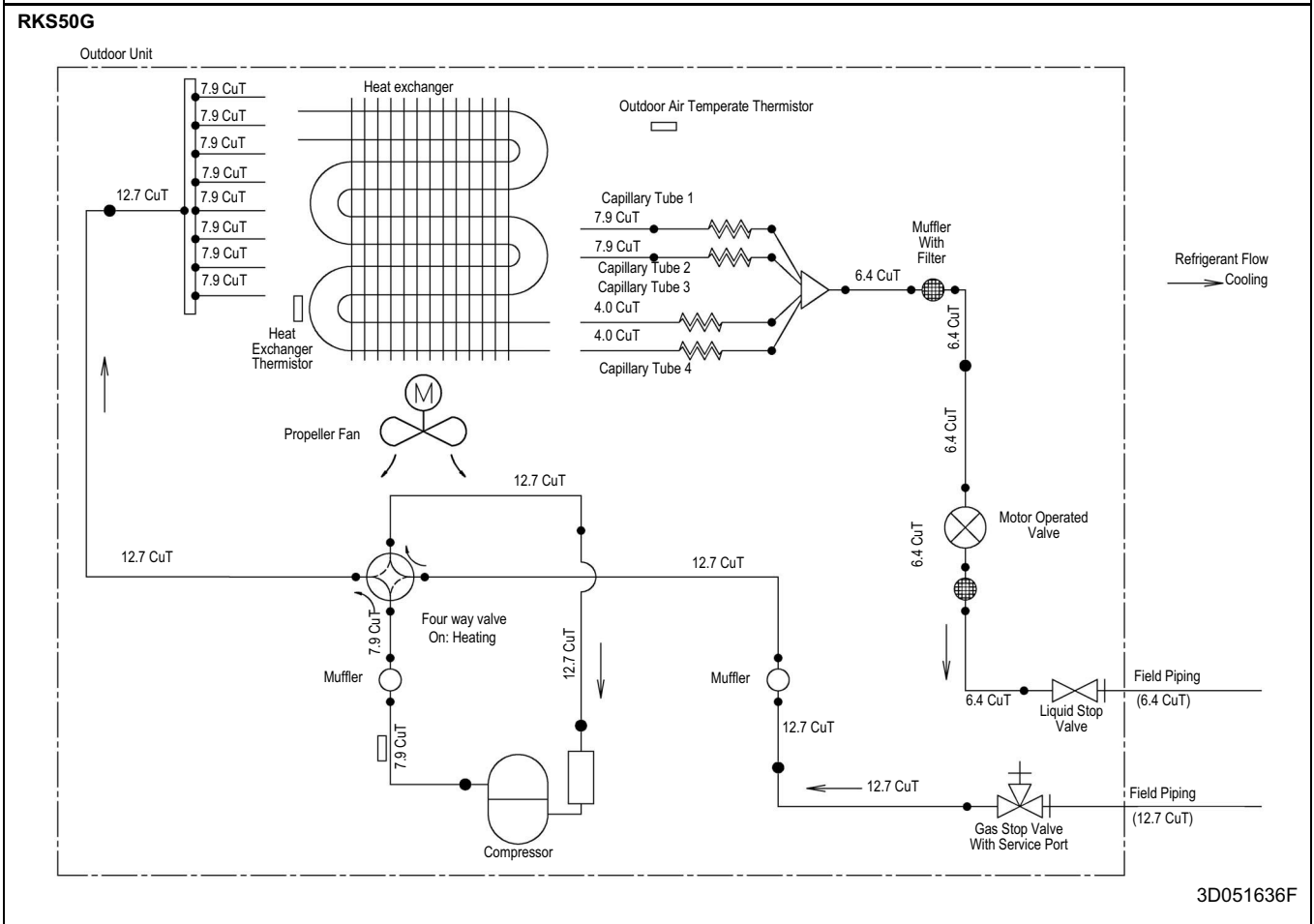
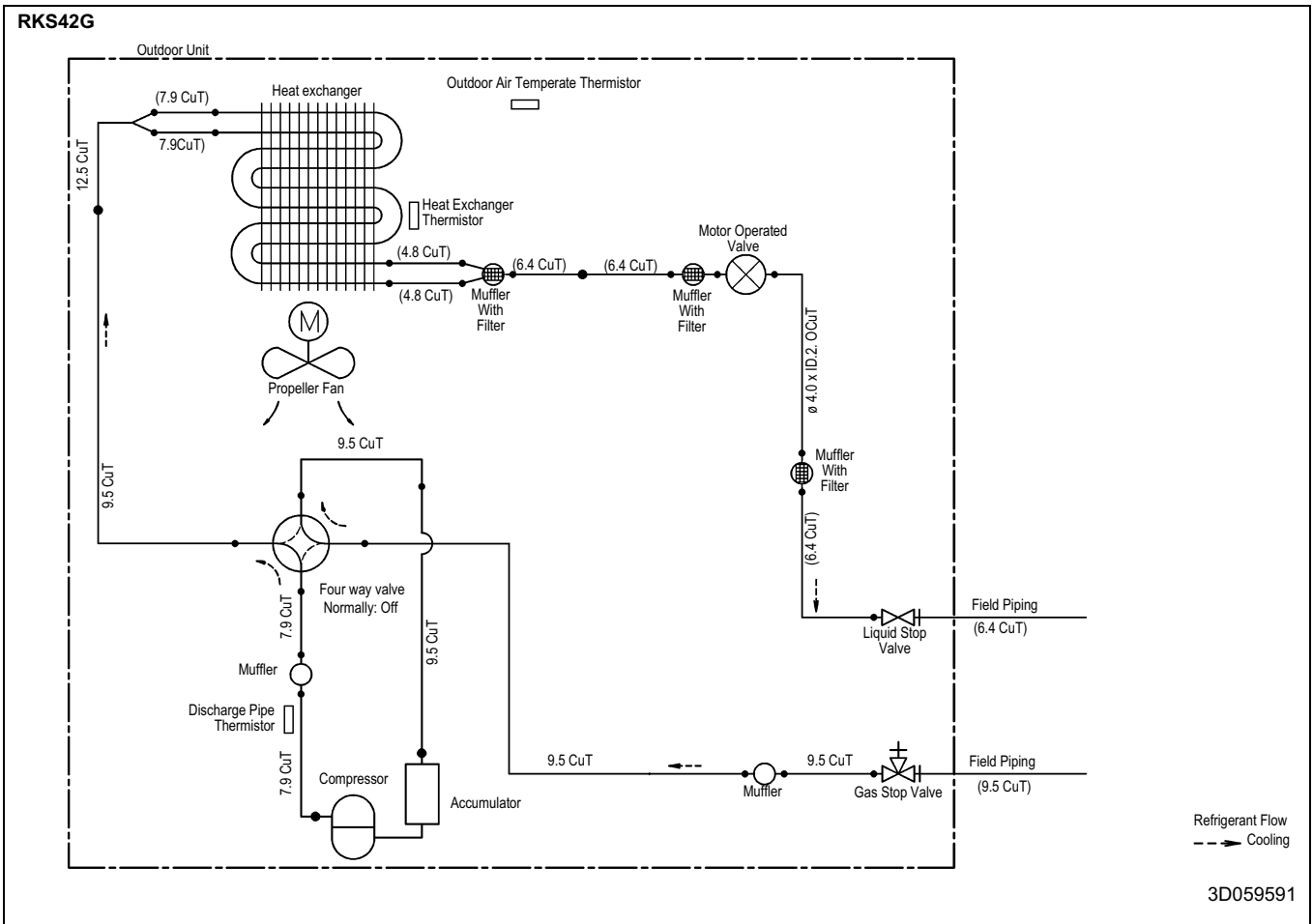


# 6 Piping diagram



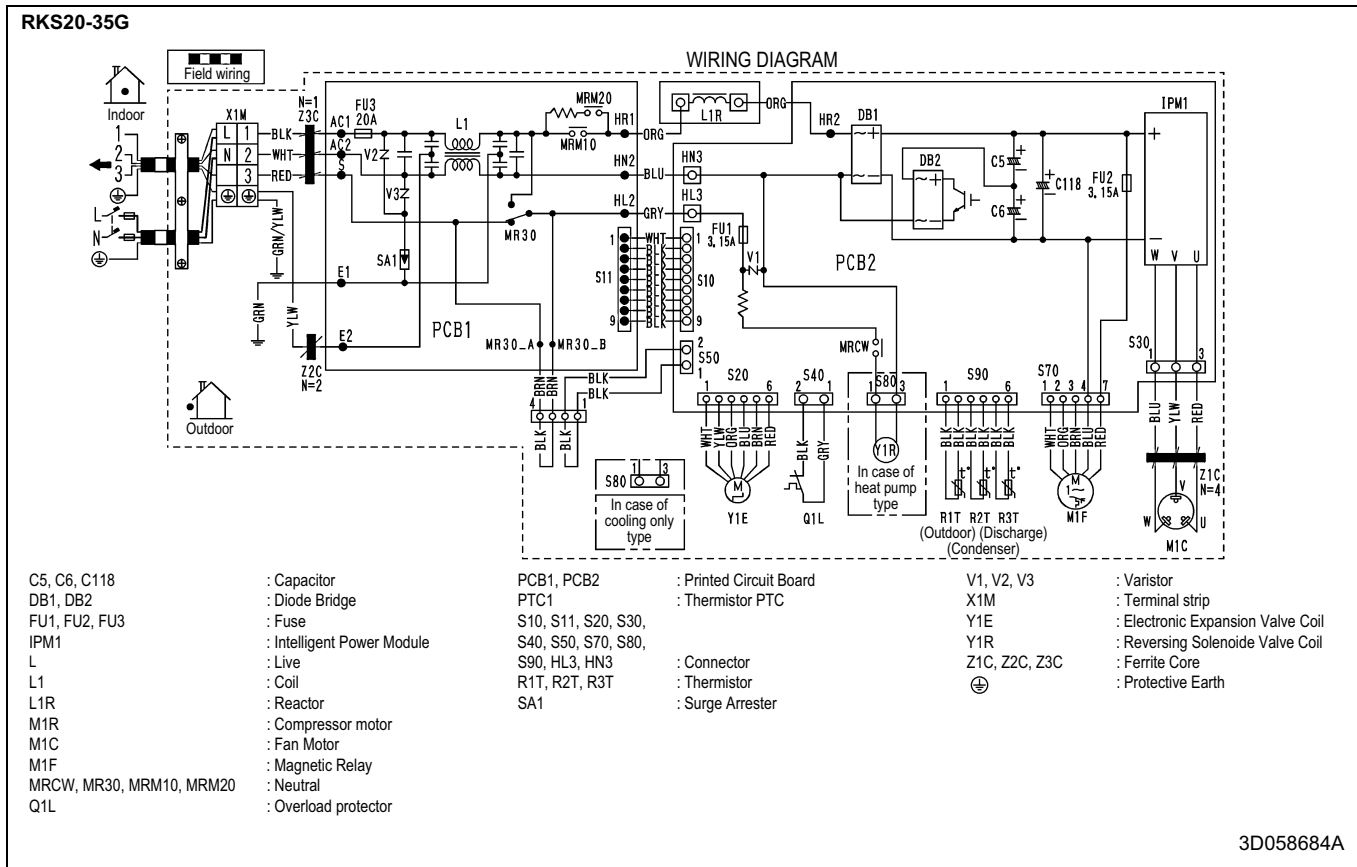
# 6 Piping diagram

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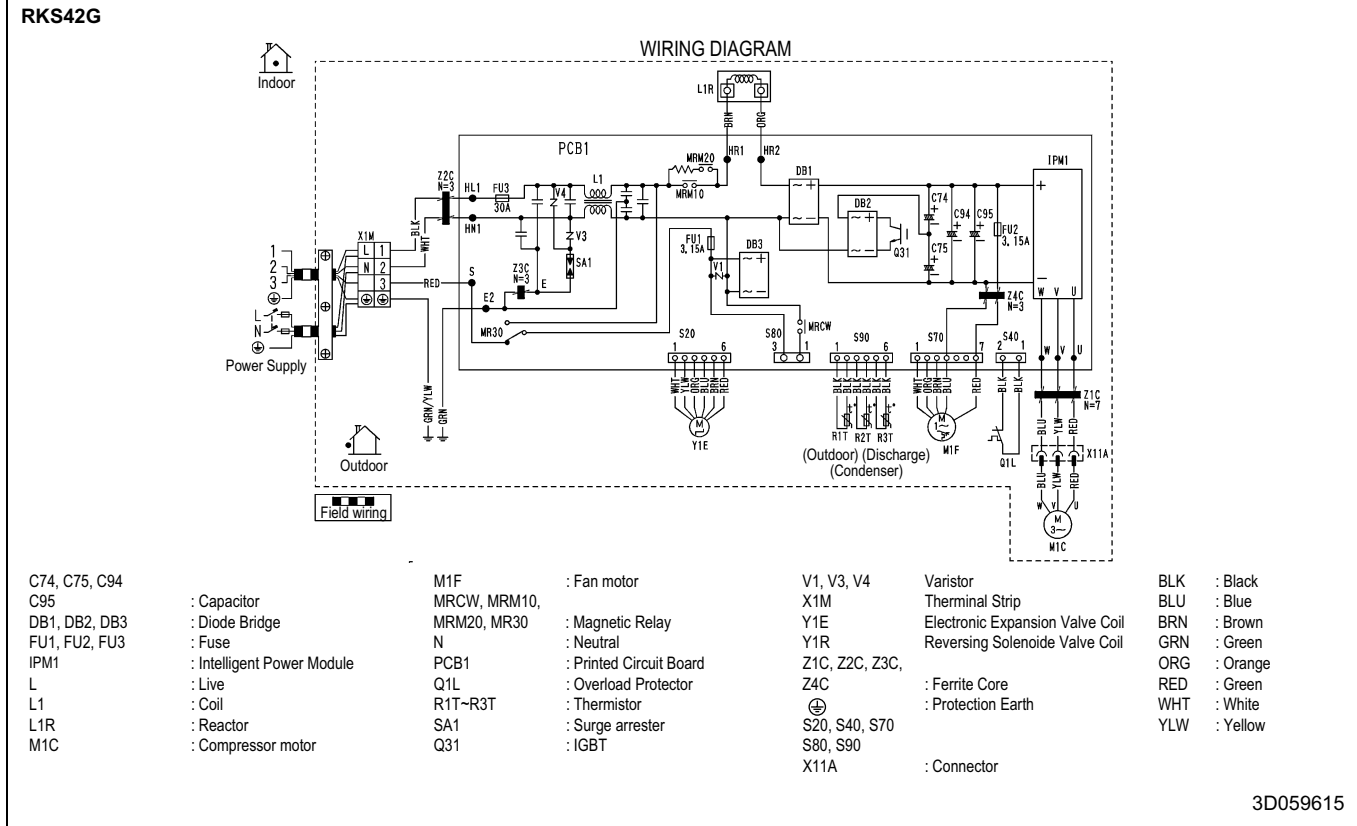
# 7 Wiring diagram

## 7 - 1 Wiring diagram



**NOTE**

1 Refer to the nameplate for the power requirements.



**NOTES**

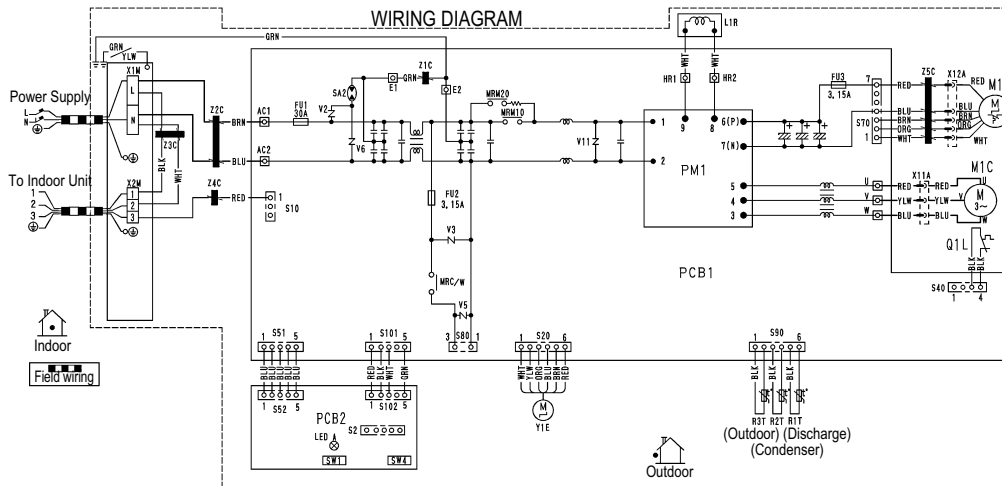
- 1 Refer to purchasing specification AS303002, unless otherwise specified.
- 2 This drawing was drawn on cad system.
- 3 the electric wiring diagram label is 3P210678-1



# 7 Wiring diagram

## 7 - 1 Wiring diagram

RKS50G



Z1C~Z5C	: Ferrite Core	MRM10, MRM20	L	: Live	M1C	: Compressor motor
X1M, X2M	: Terminal Strip	MRC/W	N	: Neutral	M1F	: Fan Motor
Y1E	: Electronic Expansion Valve Coil	R1T~R3T	SW1	: Forced Operation On/Off SW (SW1)	L1R	: Reactor
V2, V3, V5, V6, V 11	: Varistor	S2~S102	SW4	: Local Setting SW (SW4)	Q1L	: Overload Protector
SA2	: Surge Arrester	LEDA			PM1	: Reactor
FU1, FU2, FU3	: Fuse				PCB1, 2	: Printed Circuit Board
AC1, AC2					Y1R	: Power Module
U, V, W, X11A, X12A, E1, E2					STEEL	
HR1, HR2	: Connector				METAL	: Terminal Strip Fixed Plate

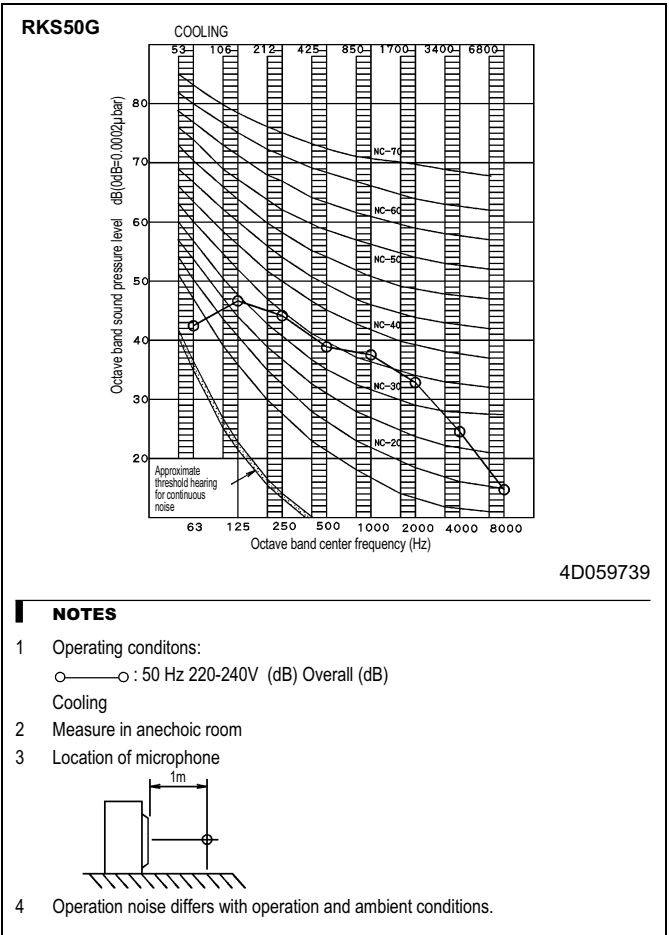
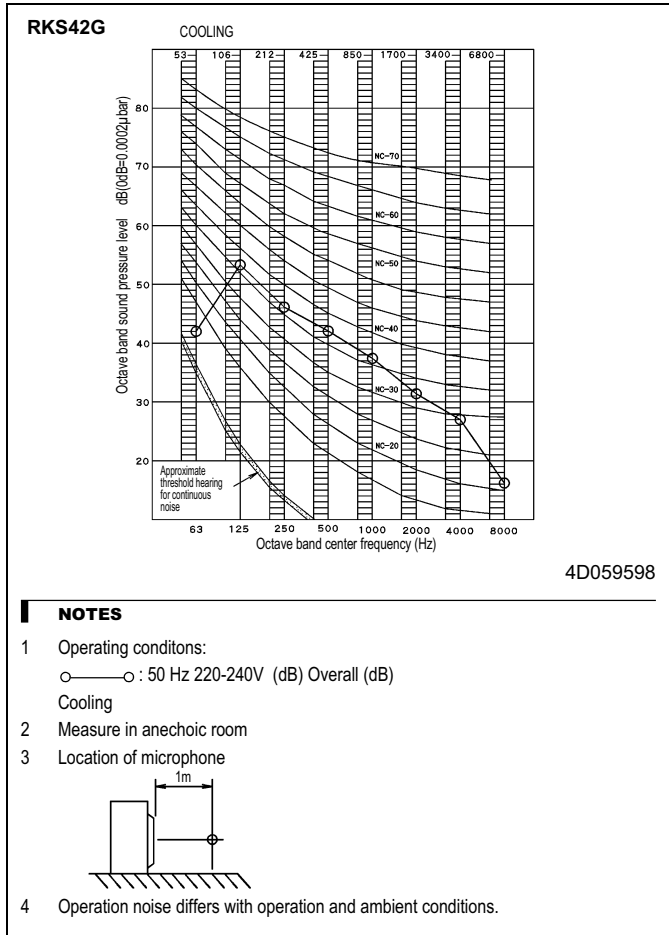
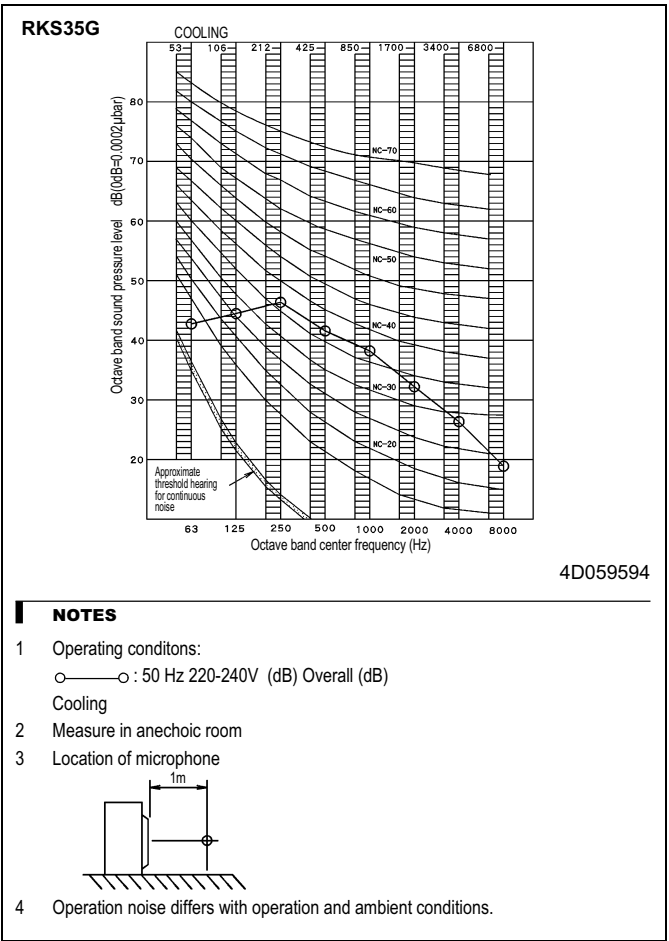
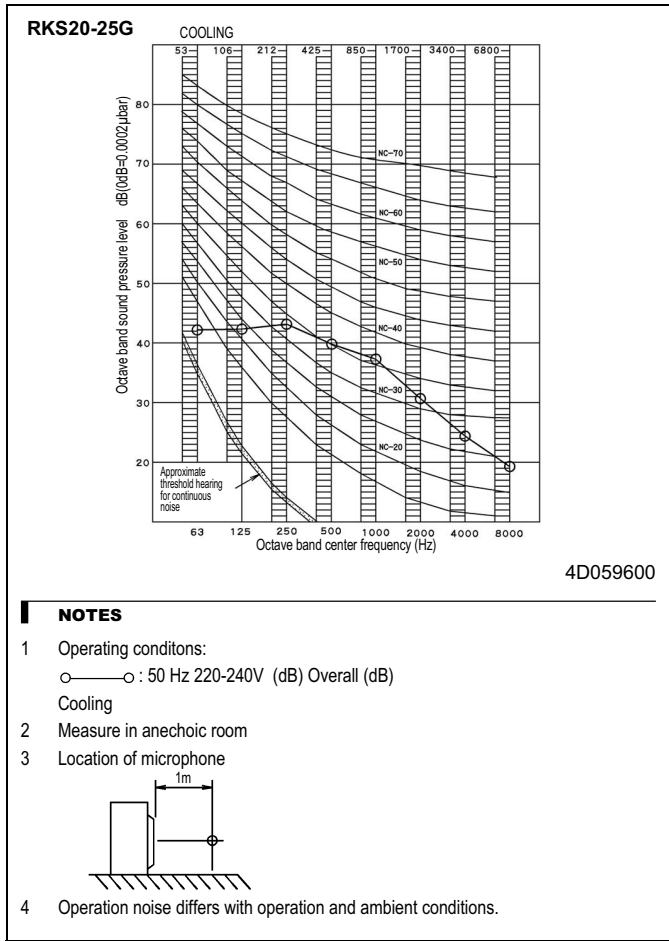
3D056145A

### NOTES

- 1 Refer to purchasing specification AS303002, unless otherwise specified.
- 2 This drawing was drawn on cad system.
- 3 the electric wiring diagram label is 3P193830-1

# 8 Sound data

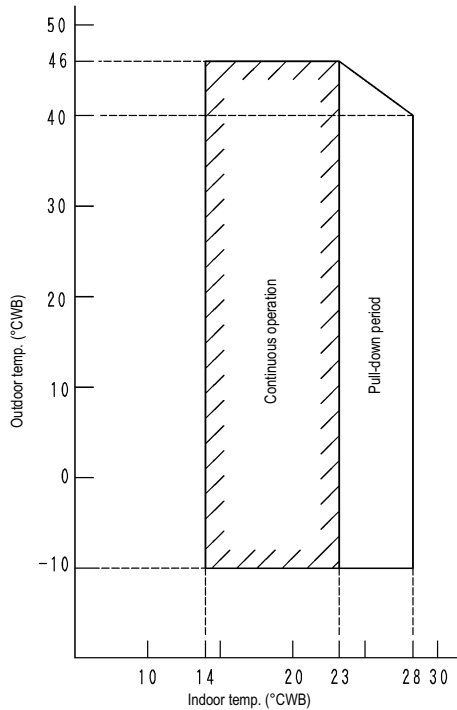
## 8 - 1 Sound pressure spectrum



# 9 Operation range

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RKS20-50G



4D029297T

**NOTES**

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