

# Technical Data

Outdoor unit - Pair application



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.



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Air Conditioners

# Technical Data

Outdoor unit - Pair application



EEEDEN11-100

RXG-K

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# 1 Features

- Energy efficient units: full range A class energy labels
- Energy saving during standby mode: reduces current consumption by about 80% when operating in standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode.
- Outdoor unit silent operation: "silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- Outdoor units for pair application
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall



optional

## 2 Specifications

2-1 Nominal Capacity And Nominal Input				FTXG25JV1BS / RXG25K2V1B	FTXG35JV1BS / RXG35K2V1B	FTXG50JV1BS / RXG50K2V1B
Cooling capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
			kcal/h	1,120	1,200	1,460
	Nom.		kW	2.5 (3)	3.5 (3)	5.0 (3)
			Btu/h	8,500 (3)	11,900 (3)	17,100 (3)
			kcal/h	2,150 (3)	3,010 (3)	4,300 (3)
	Max.		kW	3.0	3.8	5.3
			Btu/h	10,200	13,000	18,100
			kcal/h	2,580	3,270	4,560.0
Heating capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
			kcal/h	1,120	1,200	1,460
	Nom.		kW	3.4 (4)	4.0 (4)	5.8 (4)
			Btu/h	11,600 (4)	13,600 (4)	19,800 (4)
			kcal/h	2,920 (4)	3,440 (4)	4,990 (4)
	Max.		kW	4.5	5.0	6.5
			Btu/h	15,400	17,100	22,200
			kcal/h	3,870	4,300	5,590
Power input	Cooling	Min.	kW	0.350	0.360	0.450
		Nom.	kW	0.560	0.890	1.560
		Max.	kW	0.820	1.220	1.880
	Heating	Min.	kW	0.320	0.320	0.520
		Nom.	kW	0.780	0.990	1.600
		Max.	kW	1.320	1.500	2.500
EER				4.46	3.93	3.21
COP				4.36	4.04	3.63
Annual energy consumption			kWh	280	445	780
Energy label	Cooling			A	A	A
	Heating			A	A	A
Piping connections	Liquid	OD	mm	6.35	6.35	6.35
	Gas	OD	mm	9.5	9.5	12.7
	Drain	OD	mm	18.0	18.0	18.0
	Heat insulation				Both liquid and gas pipes	

### Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) Heating: indoor temp. 21°CDB; outdoor temp. 7°CDB, 6°CWB; piping length: 5m
- (5) When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

2-2 Nominal Capacity And Nominal Input				FTXG25JV1BW / RXG25K2V1B	FTXG35JV1BW / RXG35K2V1B	FTXG50JV1BW / RXG50K2V1B
Cooling capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
			kcal/h	1,120	1,200	1,460
	Nom.		kW	2.5 (3)	3.5 (3)	5.0 (3)
			Btu/h	8,500 (3)	11,900 (3)	17,100 (3)
			kcal/h	2,150 (3)	3,010 (3)	4,300 (3)
	Max.		kW	3.0	3.8	5.3
			Btu/h	10,200	13,000	18,100
			kcal/h	2,580	3,270	4,560.0

## 2 Specifications

2

2-2 Nominal Capacity And Nominal Input				FTXG25JV1BW / RXG25K2V1B	FTXG35JV1BW / RXG35K2V1B	FTXG50JV1BW / RXG50K2V1B	
Heating capacity	Min.		kW	1.3	1.4	1.7	
			Btu/h	4,400	4,800	5,800	
			kcal/h	1,120	1,200	1,460	
	Nom.		kW	3.4 (4)	4.0 (4)	5.8 (4)	
			Btu/h	11,600 (4)	13,600 (4)	19,800 (4)	
			kcal/h	2,920 (4)	3,440 (4)	4,990 (4)	
	Max.		kW	4.5	5.0	6.5	
			Btu/h	15,400	17,100	22,200	
			kcal/h	3,870	4,300	5,590	
Power input	Cooling	Min.	kW	0.350	0.360	0.450	
		Nom.	kW	0.560	0.890	1.560	
		Max.	kW	0.820	1.220	1.880	
	Heating	Min.	kW	0.320	0.320	0.520	
		Nom.	kW	0.780	0.990	1.600	
		Max.	kW	1.320	1.500	2.500	
EER				4.46	3.93	3.21	
COP				4.36	4.04	3.63	
Annual energy consumption				kWh	280	445	780
Energy label	Cooling			A	A	A	
	Heating			A	A	A	
Piping connections	Liquid	OD	mm	6.35	6.35	6.35	
	Gas	OD	mm	9.5	9.5	12.7	
	Drain	OD	mm	18.0	18.0	18.0	
	Heat insulation			Both liquid and gas pipes			

### Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) Heating: indoor temp. 21°CDB; outdoor temp. 7°CDB, 6°CWB; piping length: 5m
- (5) When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

2-3 Nominal Capacity And Nominal Input				FVXG25K2V1B / RXG25K2V1B	FVXG35K2V1B / RXG35K2V1B	FVXG50K2V1B / RXG50K2V1B
Cooling capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
			kcal/h	1,120	1,200	1,460
	Nom.		kW	2.5 (3)	3.5 (3)	5.0 (3)
			Btu/h	8,500 (3)	11,900 (3)	17,100 (3)
			kcal/h	2,150 (3)	3,010 (3)	4,300 (3)
	Max.		kW	3.0	3.8	5.6
			Btu/h	10,200	13,000	19,100
			kcal/h	2,580	3,270	4,820
Heating capacity	Min.		kW	1.3	1.4	1.7
			Btu/h	4,400	4,800	5,800
			kcal/h	1,120	1,200	1,460
	Nom.		kW	3.4 (4)	4.5 (4)	5.8 (4)
			Btu/h	11,600 (4)	15,400 (4)	19,800 (4)
			kcal/h	2,920 (4)	3,870 (4)	4,990 (4)
	Max.		kW	4.5	5.0	8.1
			Btu/h	15,400	17,100	27,600
			kcal/h	3,870	4,300	6,970
Power input	Cooling	Min.	kW	0.300	0.310	0.450
		Nom.	kW	0.550	0.950	1.520
		Max.	kW	0.790	1.150	2.000
	Heating	Min.	kW	0.290		0.500
		Nom.	kW	0.780	1.210	1.580
		Max.	kW	1.270	1.460	2.660
EER				4.55	3.68	3.29

4

## 2 Specifications

2-3 Nominal Capacity And Nominal Input				FVXG25K2V1B / RXG25K2V1B	FVXG35K2V1B / RXG35K2V1B	FVXG50K2V1B / RXG50K2V1B
COP				4.36	3.72	3.67
Annual energy consumption			kWh	275	475	760
Energy label	Cooling			A		
	Heating			A		
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5	12.7	
	Drain	OD	mm	18		
	Heat insulation			Both liquid and gas pipes		

### Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB
- (5) When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

2-4 Technical Specifications					RXG25K2V1B	RXG35K2V1B	RXG50K2V1B
Casing	Colour				Ivory white		
Dimensions	Unit	Height	mm		550	735	
		Width	mm		765	825	
		Depth	mm		285	300	
	Packed unit	Height	mm		612	797	
		Width	mm		906	960	
		Depth	mm		364	390	
Weight	Unit		kg	34	48		
	Packed unit		kg	38	53		
Packing	Weight		kg	4	5		
Heat exchanger	Length		mm	805	845		
	Rows	Quantity		2			
	Fin pitch		mm	1.4	1.8		
	Stages	Quantity		24	32		
	Tube type		ø7 Hi-XA			ø8 Hi-XA	
	Fin	Type		WF fin			
Treatment		Corrosion resistant					
Fan	Type				Propeller fan		
	Air flow rate	Cooling	High	m <sup>3</sup> /min	33.5	36.0	50.9
				cfm	1,183	1,271	1,797
			Super low	m <sup>3</sup> /min	30.1		48.9
		cfm		1,063		1,726	
		Heating	High	m <sup>3</sup> /min	28.3	45	
				cfm	999	1,589	
	Super low		m <sup>3</sup> /min	25.6	43.1		
			cfm	904	1,521		
	Fan motor	Model			ARS6401DA		KFD-380-50-8C
Output			W		53		
Speed		Cooling	High	rpm	860	920	780
			Super low	rpm	780		670
		Heating	High	rpm	860		720
	Super low		rpm	740		670	
Sound power level	Cooling	High	dB(A)	61	63		
Sound pressure level	Cooling	High	dB(A)	46	48		
		Silent operation	dB(A)	43	44		
	Heating	High	dB(A)	47	48		
		Silent operation	dB(A)	44	45		

## 2 Specifications

2

2-4 Technical Specifications					RXG25K2V1B	RXG35K2V1B	RXG50K2V1B
Compressor	Model				1YC23AEXD		2YC36BXD
	Type				Hermetically sealed swing compressor		
	Output			W	600	1,100	
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	46		
	Heating	Ambient	Min.	°CWB	-15		
			Max.	°CWB	20		
Refrigerant	Type				R-410A		
	Charge			kg	1.05	1.6	
Refrigerant oil	Type				FVC50K		
	Charged volume			l	0.375	0.65	
Piping connections	Drain	ID		mm	-		
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10		
	Level difference	IU - OU	Max.	m	15	20	

2-5 Electrical Specifications					RXG25K2V1B	RXG35K2V1B	RXG50K2V1B	
Power supply	Phase				1~			
	Frequency			Hz	50			
	Voltage			V	220-240			
Current	Nominal running current (RLA)	Cooling	A	2.90 (1) 2.81 (2) 2.71 (3)	4.69 (1) 4.50 (2) 4.30 (3)	6.93 (1) 6.54 (2) 6.35 (3)		
		Heating	A	3.99 (1) 3.79 (2) 3.60 (3)	5.88 (1) 5.58 (2) 5.39 (3)	7.12 (1) 6.83 (2) 6.53 (3)		
	Starting current	Cooling	A	4.1		6.0		7.3
		Heating	A	4.1		6.0		7.3

**Notes**

- (1) 220V
- (2) 230V
- (3) 240V
- (4) Operation range in combination with Nexura, FVXG-K: min. 10°CDB ~ max. 46°CDB

### 3 Electrical data

#### 3 - 1 Electrical Data

##### RXG25-35K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXG25JV1BW FTXG25JV1BS	RXG25K2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	46	2.8	23	0.23	40	0.15
		50 - 230					2.6				
		50 - 240					2.5				
FTXG35JV1BW FTXG35JV1BS	RXG35K2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	68	4.7	23	0.23	40	0.15
		50 - 230					4.4				
		50 - 240					4.2				

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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 : Fan Motor Rated 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 variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use Circuit Breaker.

##### RXG25-35K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXG25K2V1B	RXG25K2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	47	2.6	23	0.23	32	0.16
		50 - 230					2.5				
		50 - 240					2.4				
FVXG35K2V1B	RXG35K2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	16	72	4.4	23	0.23	32	0.16
		50 - 230					4.2				
		50 - 240					4.0				

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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 : Fan Motor Rated 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 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

#### 3 - 1 Electrical Data

3

##### RXG50K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXG50JV1BW FTXG50JV1BS	RXG50K2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	70	6.8	53	0.27	40	0.15
		50 - 230					6.5				
		50 - 240					6.2				

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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 : Fan Motor Rated 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 variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use Circuit Breaker.

##### RXG50K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXG50K2V1B	RXG50K2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	70	6.7	53	0.27	32	0.16
		50 - 230					6.3				
		50 - 240					6.1				

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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 : Fan Motor Rated 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 variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use Circuit Breaker.

## 4 Options

### 4 - 1 Options

RXG25-50K

	Description	Material name
Outdoor	Air Direction Adjustment Grille	KPW937AA4 - KPW945AA4
	Drain plug *	KKP937A4 - KKP945A4

\* Standard accessory

# 5 Capacity tables

## 5 - 1 Cooling/Heating Capacity Tables

5

FTXG25JV1BW + RXG25K2V1B  
FTXG25JV1BS + RXG25K2V1B

### Cooling

50Hz 220-240V

AFR	8.8
BF	0.11

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	2.56	2.05	0.43	2.44	2.00	0.47	2.33	1.94	0.51	2.28	1.92	0.53	2.21	1.89	0.55	2.10	1.83	0.60
16.0	22	2.68	2.02	0.43	2.56	1.97	0.47	2.44	1.91	0.51	2.40	1.89	0.53	2.33	1.86	0.56	2.21	1.81	0.60
18.0	25	2.79	2.14	0.43	2.68	2.09	0.48	2.56	2.04	0.52	2.51	2.02	0.53	2.44	1.99	0.56	2.33	1.95	0.60
19.0	27	2.85	2.27	0.44	2.73	2.23	0.48	2.62	2.18	0.52	2.57	2.16	0.54	2.50	2.13	0.56	2.38	2.09	0.60
22.0	30	3.02	2.20	0.44	2.91	2.16	0.48	2.79	2.12	0.52	2.74	2.10	0.54	2.67	2.08	0.56	2.56	2.04	0.61
24.0	32	3.14	2.15	0.44	3.02	2.11	0.48	2.90	2.07	0.52	2.86	2.06	0.54	2.79	2.04	0.57	2.67	2.00	0.61

### Heating

50Hz 220-240V

AFR	9.6
-----	-----

Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.29	0.66	2.67	0.69	3.06	0.72	3.52	0.76	3.82	0.79
20.0		2.17	0.68	2.56	0.71	2.94	0.74	3.40	0.78	3.71	0.81
22.0		2.12	0.68	2.51	0.72	2.89	0.75	3.35	0.79	3.66	0.81
24.0		2.08	0.69	2.46	0.72	2.85	0.76	3.31	0.79	3.61	0.82
25.0		2.05	0.69	2.44	0.73	2.82	0.76	3.28	0.80	3.59	0.82
27.0		2.01	0.70	2.39	0.73	2.77	0.77	3.24	0.80	3.54	0.83

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### 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:
  - Corresponding refrigerant piping length : 5m
  - Level difference : 0m
- |  |
|--|
|  |
|--|

 shows nominal (rated) capacities and power input.

# 5 Capacity tables

## 5 - 1 Cooling/Heating Capacity Tables

FVXG25K2V1B + RXG25K2V1B

### Cooling

50Hz 220-240V

AFR	8.9
BF	0.10

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	2.56	2.07	0.42	2.44	2.02	0.46	2.33	1.96	0.50	2.28	1.94	0.52	2.21	1.91	0.54	2.10	1.85	0.58
16.0	22	2.68	2.04	0.42	2.56	1.98	0.47	2.44	1.93	0.51	2.40	1.91	0.52	2.33	1.88	0.55	2.21	1.83	0.59
18.0	25	2.79	2.16	0.43	2.68	2.11	0.47	2.56	2.06	0.51	2.51	2.04	0.52	2.44	2.01	0.55	2.33	1.97	0.59
19.0	27	2.85	2.30	0.43	2.73	2.25	0.47	2.62	2.21	0.51	2.57	2.19	0.53	2.50	2.16	0.55	2.38	2.12	0.59
22.0	30	3.02	2.22	0.43	2.91	2.18	0.47	2.79	2.14	0.51	2.74	2.13	0.53	2.67	2.10	0.55	2.56	2.06	0.59
24.0	32	3.14	2.17	0.43	3.02	2.14	0.47	2.90	2.10	0.52	2.86	2.09	0.53	2.79	2.06	0.56	2.67	2.03	0.60

### Heating

50Hz 220-240V

AFR	9.9
-----	-----

Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.29	0.66	2.67	0.69	3.06	0.72	3.52	0.76	3.82	0.79
20.0		2.17	0.68	2.56	0.71	2.94	0.74	3.40	0.78	3.71	0.81
22.0		2.12	0.68	2.51	0.72	2.89	0.75	3.35	0.79	3.66	0.81
24.0		2.08	0.69	2.46	0.72	2.85	0.76	3.31	0.79	3.61	0.82
25.0		2.05	0.69	2.44	0.73	2.82	0.76	3.28	0.80	3.59	0.82
27.0		2.01	0.70	2.39	0.73	2.77	0.77	3.24	0.80	3.54	0.83

3D072088

### 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 : 7.5m  
 (2) Level difference : 0m
- |  |
|--|
|  |
|--|

 shows nominal (rated) capacities and power input.

# 5 Capacity tables

## 5 - 1 Cooling/Heating Capacity Tables

5

FTXG35JV1BW + RXG35K2V1B  
FTXG35JV1BS + RXG35K2V1B

### Cooling

50Hz 220-240V

AFR	10.1
BF	0.14

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	3.57	2.63	0.68	3.42	2.56	0.75	3.26	2.48	0.81	3.19	2.45	0.84	3.10	2.40	0.88	2.93	2.32	0.95
16.0	22	3.75	2.60	0.69	3.58	2.52	0.75	3.42	2.44	0.82	3.36	2.41	0.84	3.26	2.37	0.88	3.10	2.29	0.95
18.0	25	3.91	2.72	0.69	3.75	2.65	0.76	3.58	2.57	0.82	3.52	2.55	0.85	3.42	2.50	0.89	3.26	2.43	0.95
19.0	27	3.99	2.86	0.69	3.83	2.79	0.76	3.66	2.73	0.82	3.60	2.70	0.85	3.50	2.66	0.89	3.34	2.59	0.96
22.0	30	4.23	2.76	0.70	4.07	2.70	0.76	3.90	2.64	0.83	3.84	2.61	0.86	3.74	2.58	0.90	3.58	2.52	0.96
24.0	32	4.39	2.69	0.70	4.23	2.63	0.77	4.07	2.58	0.83	4.00	2.55	0.86	3.90	2.52	0.90	3.74	2.47	0.97

### Heating

50Hz 220-240V

AFR	10.8
-----	------

Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.69	0.84	3.14	0.88	3.60	0.92	4.14	0.97	4.50	1.00
20.0		2.55	0.86	3.01	0.90	3.46	0.94	4.00	0.99	4.36	1.02
22.0		2.50	0.87	2.95	0.91	3.40	0.95	3.94	1.00	4.31	1.03
24.0		2.44	0.88	2.90	0.92	3.35	0.96	3.89	1.01	4.25	1.04
25.0		2.42	0.88	2.87	0.92	3.32	0.96	3.86	1.01	4.22	1.04
27.0		2.36	0.89	2.81	0.93	3.26	0.97	3.81	1.02	4.17	1.05

3D06562A

### 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:
  - Corresponding refrigerant piping length : 5m
  - Level difference : 0m
- |  |
|--|
|  |
|--|

 shows nominal (rated) capacities and power input.

# 5 Capacity tables

## 5 - 1 Cooling/Heating Capacity Tables

FVXG35K2V1B + RXG35K2V1B

### Cooling

50Hz 220-240V

AFR	9.1
BF	0.13

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	3.25	2.40	0.69	3.25	2.40	0.78	3.25	2.40	0.87	3.19	2.37	0.90	3.10	2.32	0.94	2.93	2.24	1.01
16.0	22	3.75	2.53	0.73	3.58	2.45	0.80	3.42	2.37	0.87	3.36	2.34	0.90	3.26	2.29	0.94	3.10	2.22	1.01
18.0	25	3.91	2.63	0.74	3.75	2.56	0.81	3.58	2.49	0.88	3.52	2.46	0.91	3.42	2.41	0.95	3.26	2.34	1.02
19.0	27	3.99	2.76	0.74	3.83	2.69	0.81	3.66	2.62	0.88	3.60	2.59	0.91	3.50	2.55	0.95	3.34	2.48	1.02
22.0	30	4.23	2.66	0.75	4.07	2.60	0.82	3.90	2.53	0.89	3.84	2.51	0.91	3.74	2.47	0.96	3.58	2.41	1.03
24.0	32	4.39	2.58	0.75	4.23	2.53	0.82	4.07	2.47	0.89	4.00	2.45	0.92	3.90	2.41	0.96	3.74	2.36	1.03

### Heating

50Hz 220-240V

AFR	10.2
-----	------

Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.03	1.02	3.54	1.07	4.05	1.12	4.66	1.18	5.06	1.22
20.0		2.87	1.05	3.38	1.10	3.89	1.15	4.50	1.21	4.91	1.25
22.0		2.81	1.06	3.32	1.11	3.83	1.16	4.44	1.22	4.84	1.26
24.0		2.75	1.07	3.26	1.12	3.77	1.17	4.38	1.23	4.78	1.27
25.0		2.72	1.08	3.23	1.13	3.73	1.18	4.34	1.24	4.75	1.28
27.0		2.66	1.09	3.16	1.14	3.67	1.19	4.28	1.25	4.69	1.29

3D072089

### 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 : 7.5m  
 (2) Level difference : 0m
- shows nominal (rated) capacities and power input.

# 5 Capacity tables

## 5 - 1 Cooling/Heating Capacity Tables

5

FTXG50JV1BW + RXG50K2V1B  
FTXG50JV1BS + RXG50K2V1B

Cooling

50Hz 220-240V

AFR	10.3
BF	0.17

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	3.51	2.59	1.10	3.51	2.59	1.26	3.51	2.59	1.41	3.51	2.59	1.47	3.51	2.59	1.54	3.51	2.59	1.66
16.0	22	4.46	2.93	1.16	4.46	2.93	1.30	4.46	2.93	1.43	4.46	2.93	1.48	4.46	2.93	1.55	4.42	2.92	1.66
18.0	25	5.48	3.45	1.21	5.35	3.38	1.33	5.12	3.27	1.44	5.02	3.22	1.49	4.88	3.16	1.56	4.65	3.04	1.67
19.0	27	5.70	3.63	1.21	5.47	3.52	1.33	5.23	3.41	1.44	5.14	3.36	1.49	5.00	3.30	1.56	4.77	3.19	1.68
22.0	30	6.04	3.48	1.22	5.81	3.38	1.34	5.58	3.28	1.46	5.49	3.24	1.50	5.35	3.18	1.57	5.11	3.09	1.69
24.0	32	6.27	3.37	1.23	6.04	3.28	1.35	5.81	3.19	1.46	5.72	3.15	1.51	5.58	3.10	1.58	5.34	3.01	1.69

Heating

50Hz 220-240V

AFR	11.4
-----	------

Indoor		Outdoor temperature (°CWB)									
EDB (°C)	TC	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.35	4.56	1.42	5.21	1.48	6.00	1.56	6.52	1.62	
20.0	3.70	1.39	4.36	1.46	5.01	1.52	5.80	1.60	6.32	1.65	
22.0	3.62	1.40	4.28	1.47	4.93	1.54	5.72	1.61	6.24	1.67	
24.0	3.54	1.42	4.20	1.48	4.85	1.55	5.64	1.63	5.94	1.67	
25.0	3.50	1.43	4.16	1.49	4.81	1.56	5.60	1.64	5.75	1.67	
27.0	3.42	1.44	4.08	1.51	4.73	1.57	5.38	1.64	5.38	1.67	

3D072100

### 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

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 not 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.

# 5 Capacity tables

## 5 - 1 Cooling/Heating Capacity Tables

FVXG50K2V1B + RXG50K2V1B

### Cooling

50Hz 220-240V

AFR	10.6
BF	0.13

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	3.79	2.80	1.05	3.79	2.80	1.19	3.79	2.80	1.34	3.79	2.80	1.39	3.79	2.80	1.48	3.79	2.80	1.61
16.0	22	4.81	3.17	1.13	4.81	3.17	1.27	4.81	3.17	1.39	4.79	3.16	1.44	4.65	3.09	1.51	4.42	2.97	1.62
18.0	25	5.58	3.56	1.18	5.35	3.44	1.29	5.12	3.33	1.40	5.02	3.29	1.45	4.88	3.22	1.52	4.65	3.11	1.63
19.0	27	5.70	3.70	1.18	5.47	3.59	1.30	5.23	3.48	1.41	5.14	3.44	1.45	5.00	3.38	1.52	4.77	3.27	1.63
22.0	30	6.04	3.55	1.19	5.81	3.45	1.31	5.58	3.36	1.42	5.49	3.32	1.46	5.35	3.26	1.53	5.11	3.17	1.64
24.0	32	6.27	3.44	1.20	6.04	3.35	1.31	5.81	3.26	1.42	5.72	3.23	1.47	5.58	3.18	1.54	5.34	3.09	1.65

### Heating

50Hz 220-240V

AFR	12.2
-----	------

Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.90	1.34	4.56	1.40	5.21	1.47	6.00	1.54	6.52	1.60
20.0		3.70	1.37	4.36	1.44	5.01	1.50	5.80	1.58	6.32	1.63
22.0		3.62	1.39	4.28	1.45	4.93	1.52	5.72	1.59	6.24	1.65
24.0		3.54	1.40	4.20	1.47	4.85	1.53	5.64	1.61	6.16	1.66
25.0		3.50	1.41	4.16	1.47	4.81	1.54	5.60	1.62	6.12	1.67
27.0		3.42	1.42	4.08	1.49	4.73	1.55	5.52	1.63	6.04	1.68

3D072101

### 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

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 not 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.

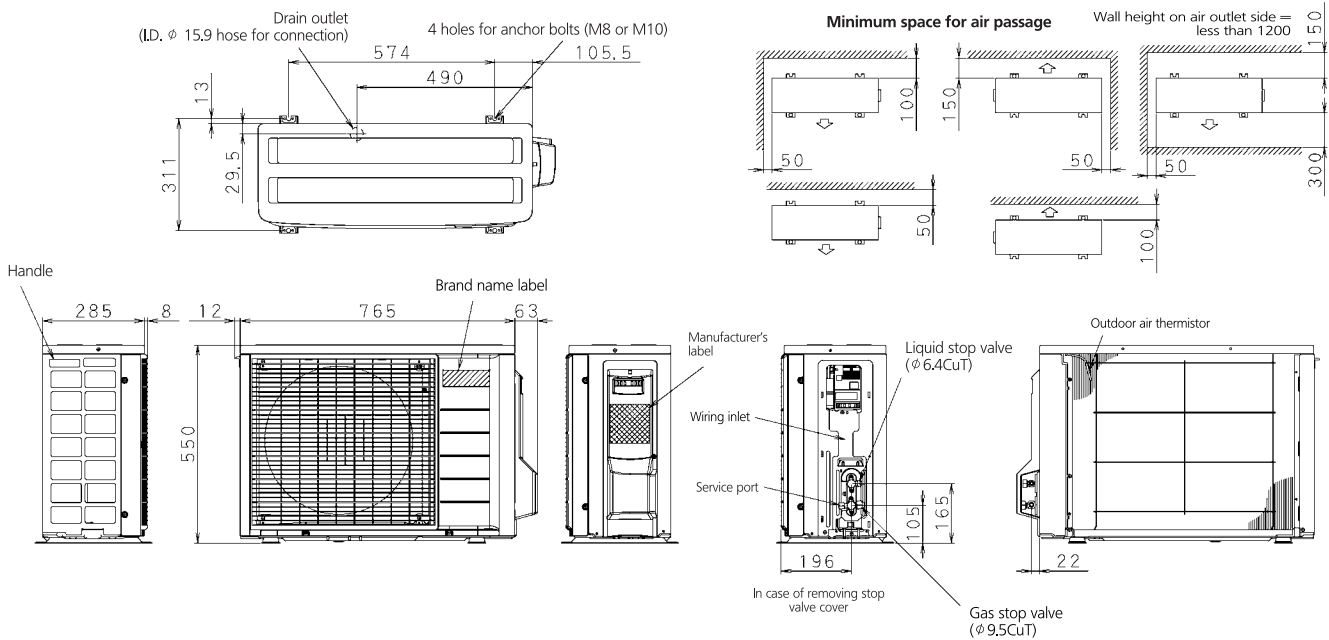


# 6 Dimensional drawings

## 6 - 1 Dimensional Drawings

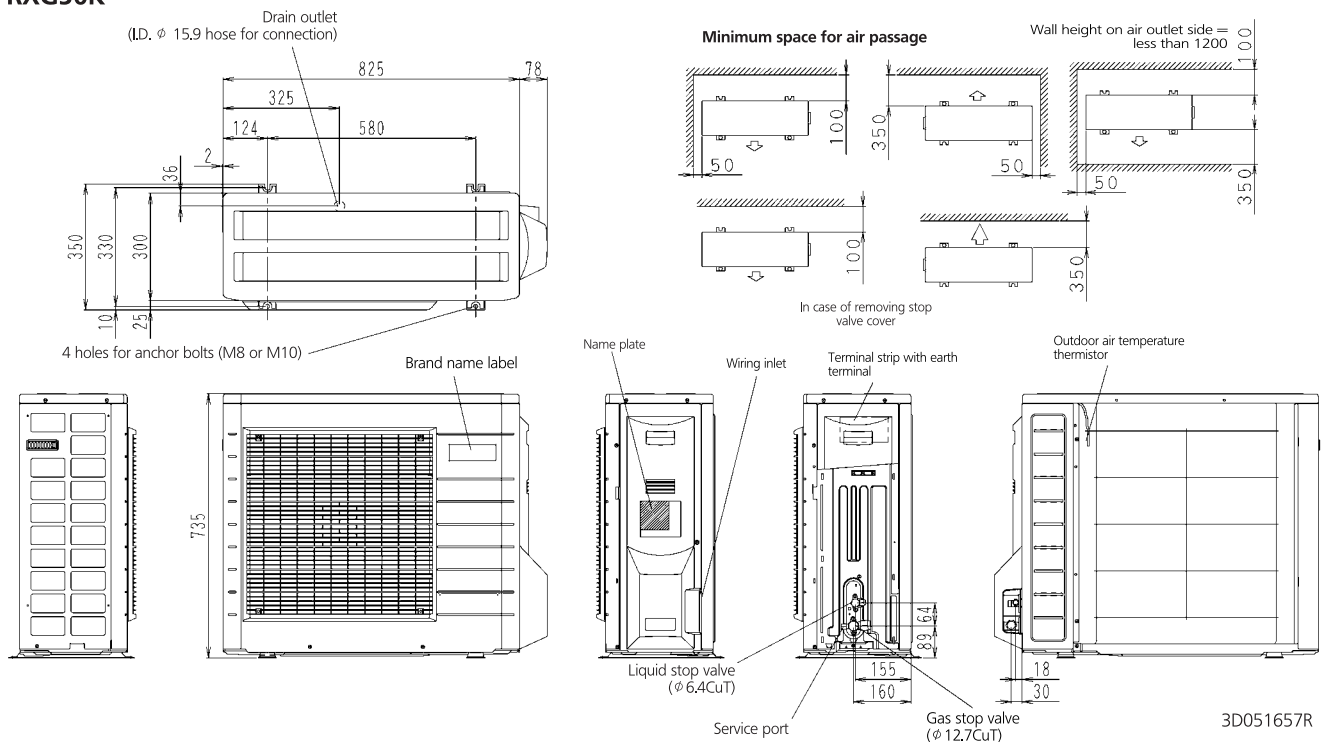
6

### RXG25-35K



3D055546D

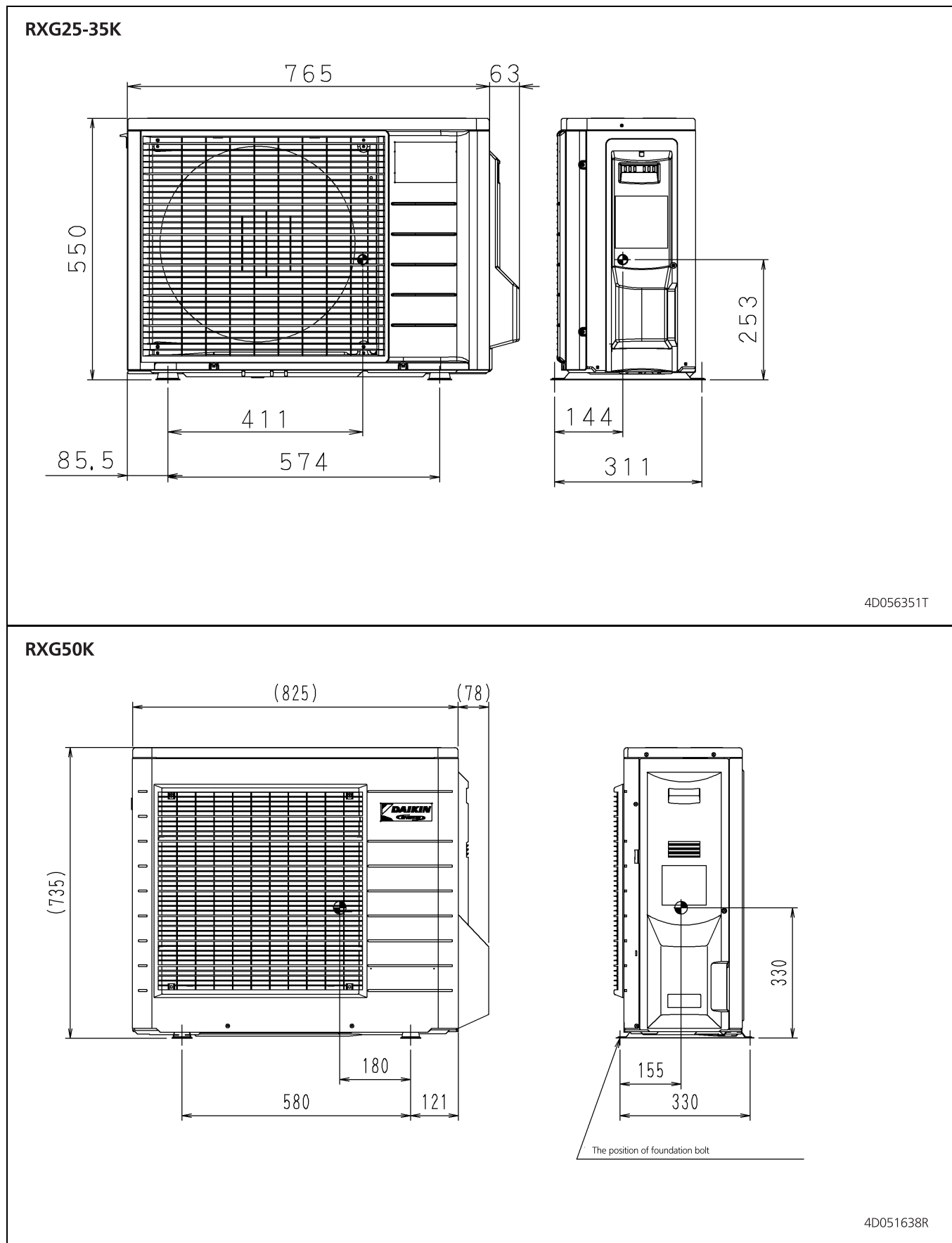
### RXG50K



3D051657R

## 7 Centre of gravity

### 7 - 1 Centre of Gravity

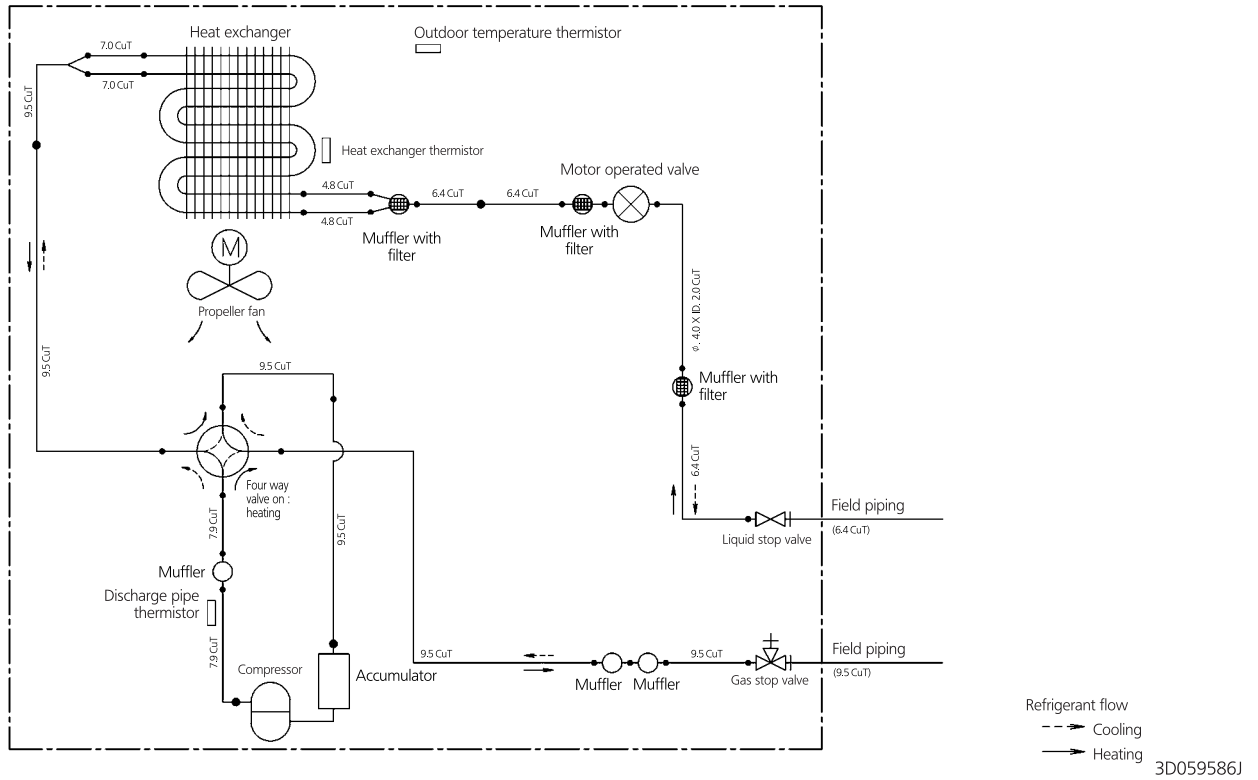


# 8 Piping diagrams

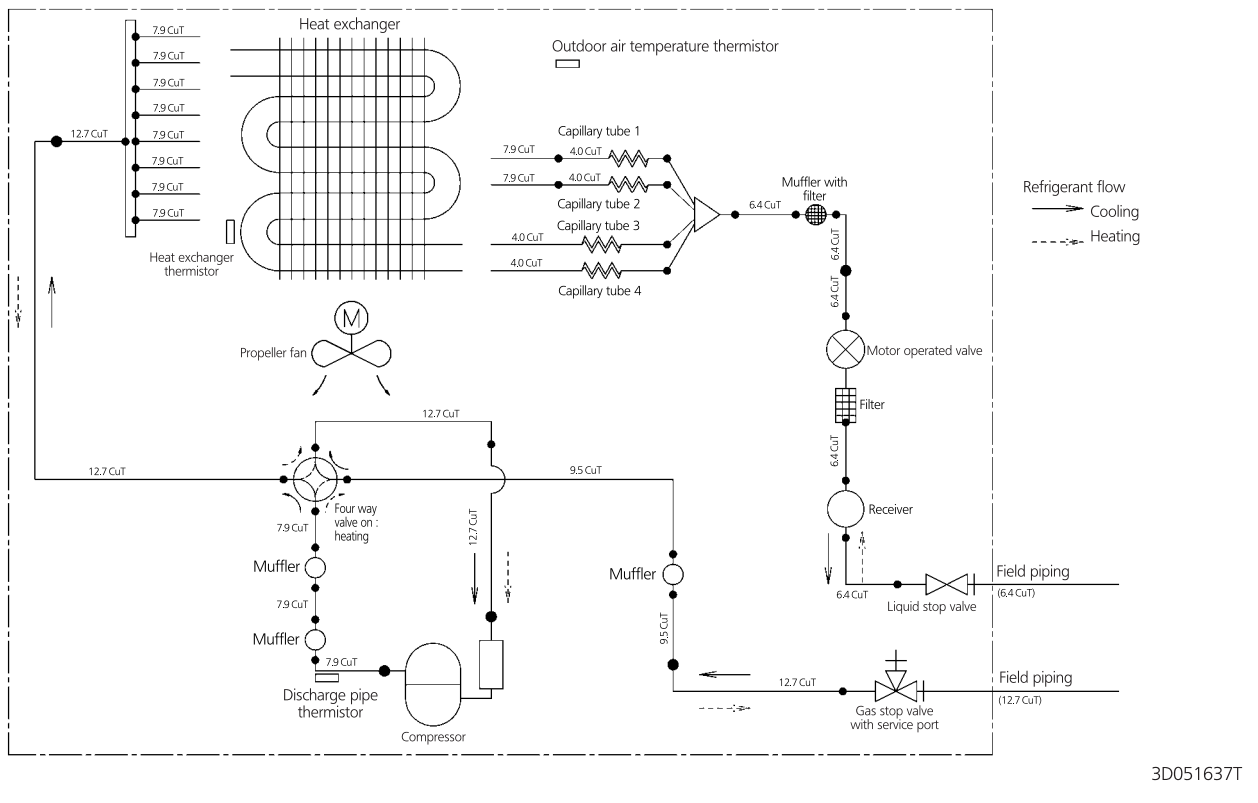
## 8 - 1 Piping Diagrams

8

RXG25-35K



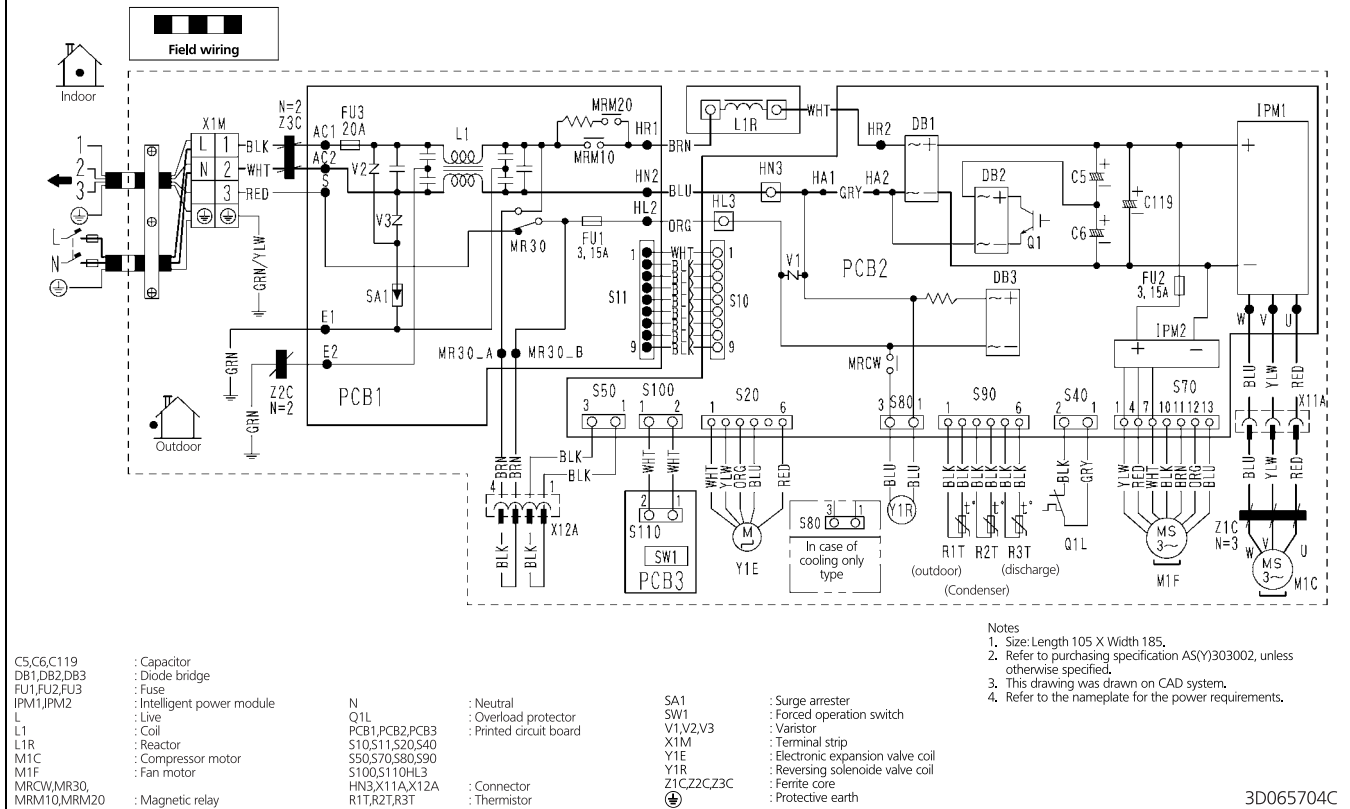
RXG50K



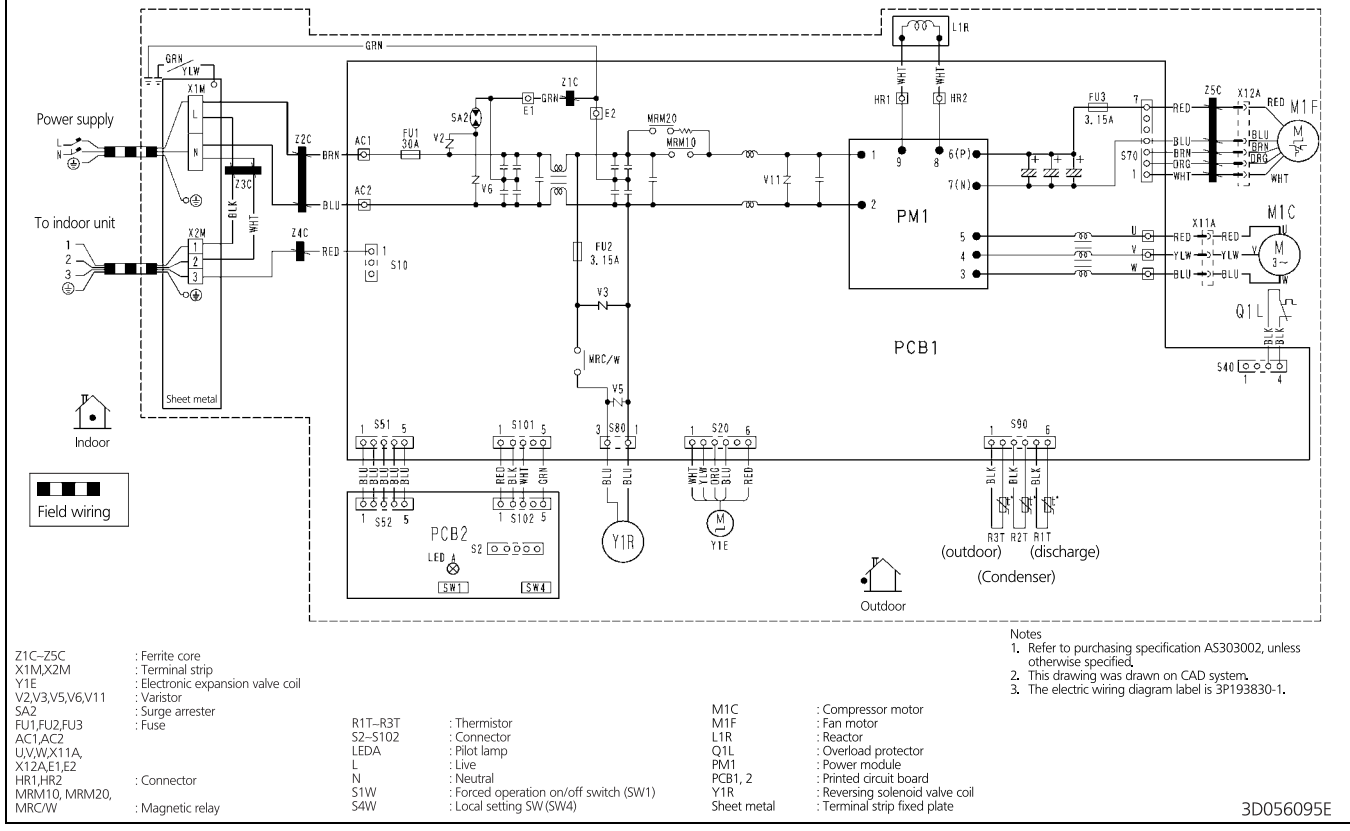
# 9 Wiring diagrams

## 9 - 1 Wiring Diagrams - Single Phase

### RXG25-35K



### RXG50K



# 10 Sound data

## 10 - 1 Sound Pressure Spectrum

10

### RXG25K Cooling

Overall (dB)

Scale	50Hz 220-240V (H)
A	46

Operating conditions  
Power source 220-240V 50Hz

○—○  
Cooling

(B,G,N is already rectified)

Measuring place  
Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

### RXG25K Heating

Overall (dB)

Scale	50Hz 220-240V (H)
A	47

Operating conditions  
Power source 220-240V 50Hz

○—○  
Heating

(B,G,N is already rectified)

Measuring place  
Measure in anechoic room

The operation noise measuring method is in accordance with JISC9612

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### RXG35K Cooling

Overall (dB)

Scale	50Hz 220-240V (H)
A	48

Operating conditions  
Power source 220-240V 50Hz

○—○  
Cooling

(B,G,N is already rectified)

Measuring place  
Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

### RXG35K Heating

Overall (dB)

Scale	50Hz 220-240V (H)
A	48

Operating conditions  
Power source 220-240V 50Hz

○—○  
Heating

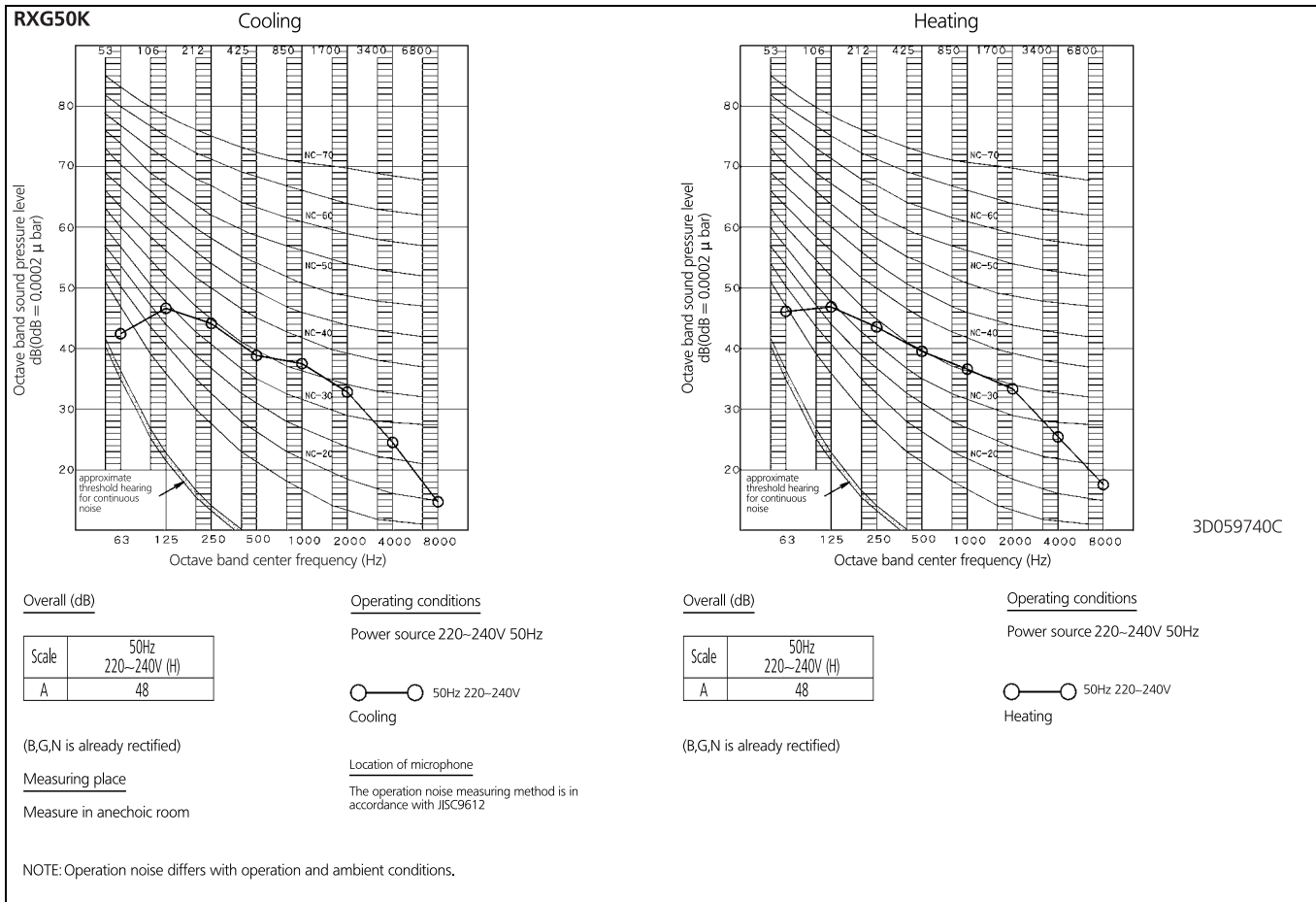
(B,G,N is already rectified)

Measuring place  
Measure in anechoic room

The operation noise measuring method is in accordance with JISC9612

# 10 Sound data

## 10 - 1 Sound Pressure Spectrum

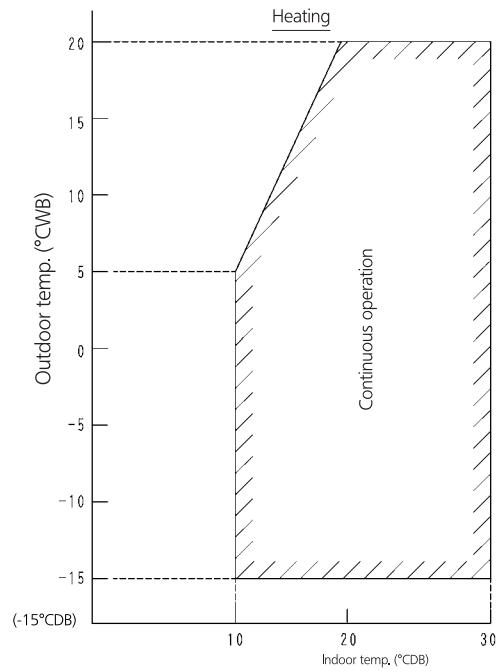
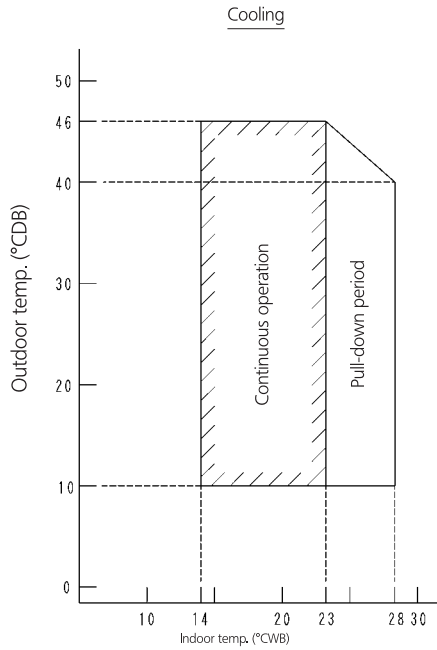


# 11 Operation range

## 11 - 1 Operation Range

11

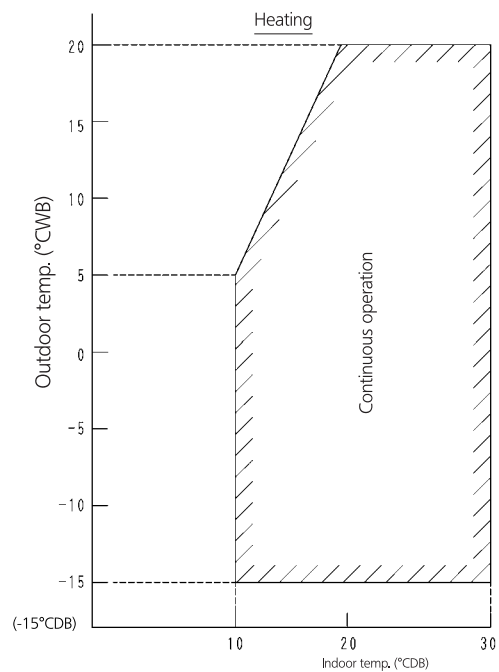
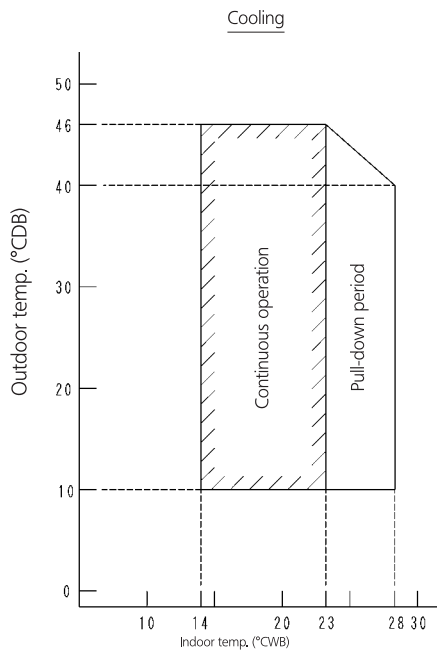
RXG25-35K



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

3D072093

RXG50K



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

3D072093