Technical Data

Outdoor unit - Pair application

TECHNICAL DATA - OUTDOOR UNIT - PAIR APPLICATION

EEDEN11-100

In all of us, a green heart

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. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

Daikin products are distributed by:

DAIKIN EUROPE N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende

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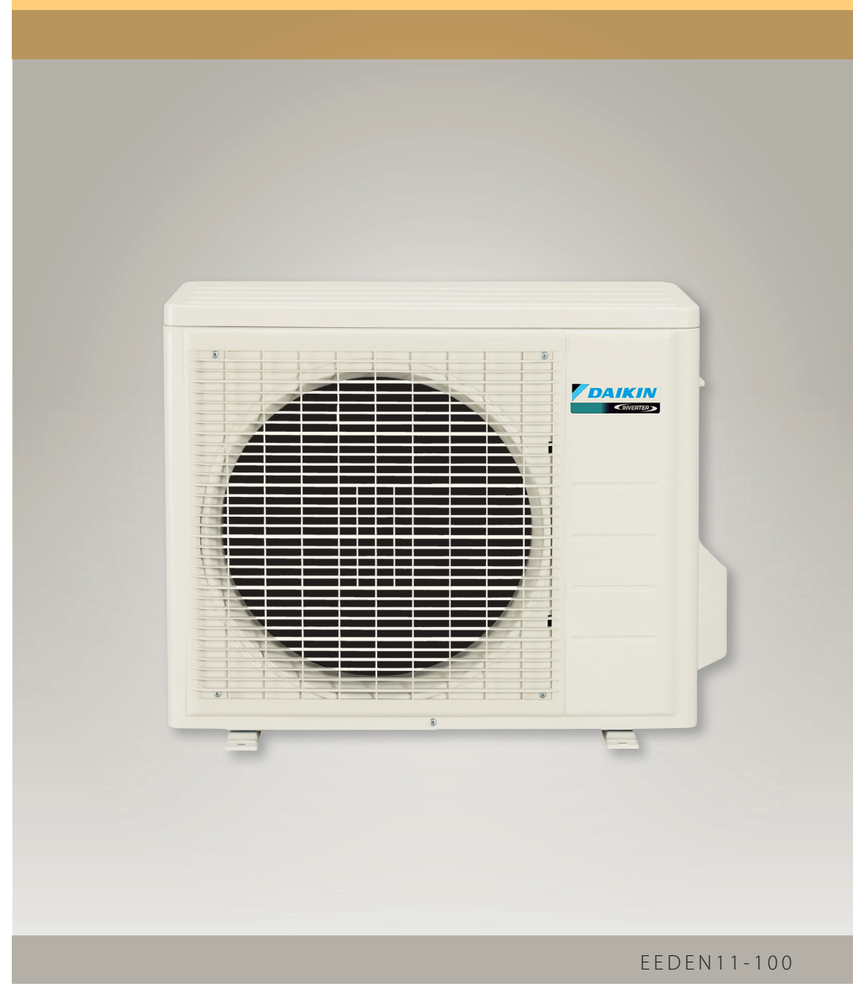
Air Conditioners

Technical Data

Outdoor unit - Pair application



EEDEN11-100

RXN-K

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RXN-K

1 Features

- 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

2 Specifications

2-1 Nominal Capacity And Nominal Input					FTXN25KEV1B / RXN25KEV1B	FTXN35KEV1B / RXN35KEV1B	FTXN50KV1B / RXN50KEV1B	FTXN60KV1B / RXN60KEV1B
Cooling capacity	Nom.			kW	2.5 (3)	3.20 (3)	5.0 (3)	6.0 (3)
Heating capacity	Nom.			kW	2.8 (4)	3.5 (4)	5.5 (4)	6.3 (4)
Power input	Cooling	Nom.		kW	0.795	1.060	1.560	1.990
	Heating	Nom.		kW	0.82	1.020	1.570	1.850
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5		12.7	
	Heat insulation				Both liquid and gas pipes			
Current	Nominal running current (RLA) - 50Hz	Cooling		A	3.8 (5) 3.6 (6) 3.5 (7)	4.9 (5) 4.7 (6) 4.5 (7)	-	
		Heating		A	3.9 (5) 3.7 (6) 3.5 (7)	4.7 (5) 4.5 (6) 4.3 (7)	-	

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. 27ºCDB, 19ºCWB; outdoor temp. 35ºCDB, 24ºCWB

(4) Heating: indoor temp. 20ºCDB; outdoor temp. 7ºCDB, 6ºCWB

(5) 220V

(6) 230V

(7) 240V

2-2 Technical Specifications						RXN25KEV1B	RXN35KEV1B	RXN50KEV1B	RXN60KEV1B
Casing	Colour					Ivory white			
Dimensions	Unit	Height			mm	550		595	
		Width			mm	658		795	
		Depth			mm	275		300	
	Packed unit	Height			mm	592		654	
		Width			mm	771		942	
		Depth			mm	348		400	
Weight	Unit				kg	26	28	42	
	Packed unit				kg	30	32	45	
Packing	Weight				kg	4		-	
Heat exchanger	Length				mm	670	647	870	
	Rows	Quantity				1	2		
	Fin pitch				mm	1.4			
	Stages	Quantity				12	24	26	
	Tube type					ø7 Hi-XD		ø8 Hi-XA	
	Fin	Type				WF fin		Waffle louvered fin	
Fan	Type					Propeller fan			
	Air flow rate	Cooling	High		m³/min	28.8		42.6	48.2
					cfm	1,017		1,504	1,702
			Super low		m³/min	-		37.6	42.6
					cfm	-		1,328	1,504
		Heating	High		m³/min	28.8		38.3	43.4
					cfm	1,017		1,352	1,532
			Super low		m³/min	-		33.8	38.3
					cfm	-		1,193	1,352
Fan motor	Model					JF-220-20-6-1		KFD-280-60-8C	
	Output				W	20		60	
	Speed	Cooling	High		rpm	930		900	1,010
			Super low		rpm	-		800	900
		Heating	High		rpm	930		900	1,010
			Super low		rpm	-		800	900
Sound power level	Cooling	High			dBA	61	63		66
Sound pressure level	Cooling	High			dBA	47	49		52
		Silent operation			dBA	-		46	49
	Heating	High			dBA	48	50	51	52
		Silent operation			dBA	-		48	49

2 Specifications

2-2 Technical Specifications					RXN25KEV1B	RXN35KEV1B	RXN50KEV1B	RXN60KEV1B
Compressor	Model				1YC23AJXD		2YC36BXD	
	Type				Hermetically sealed swing compressor			
	Output			W	600		1,100	
Operation range	Cooling	Ambient	Min.	ºCDB	-		10	
			Max.	ºCDB	-		46	
	Heating	Ambient	Min.	ºCWB	-		-15	
			Max.	ºCWB	-		18	
Refrigerant	Type				R-410A			
	Charge			kg	0.74	0.95	1.45	
Refrigerant oil	Type				FVC50K			
	Charged volume			l	0.375		0.65	
Piping connections	Liquid	OD		mm	-		6.35	
	Gas	OD		mm	-		12.7	
	Drain	Type			-		Hole	
		ID		mm	-		18.0	
	Piping length	OU - IU	Max.	m	15		30	
		System	Charge-less	m	10		-	
	Level difference	IU - OU	Max.	m	12		20	
	Heat insulation				-		Both liquid and gas pipes	

2-3 Electrical Specifications				RXN25KEV1B	RXN35KEV1B	RXN50KEV1B	RXN60KEV1B
Power supply	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	220-240			
Current	Nominal running current (RLA)	Cooling	A	3.65 (1) 3.45 (2) 3.34 (3)	4.75 (1) 4.55 (2) 4.34 (3)	7.14 (1) 6.75 (2) 6.55 (3)	9.01 (1) 8.62 (2) 8.23 (3)
		Heating	A	3.75 (1) 3.55 (2) 3.34 (3)	4.55 (1) 4.35 (2) 4.14 (3)	7.13 (1) 6.84 (2) 6.54 (3)	8.29 (1) 8.0 (2) 7.61 (3)
	Starting current	Cooling	A	3.9	4.9	7.3	9.2
		Heating	A	3.9	4.9	7.3	9.2
Wiring connections	For power supply	Quantity		-		3	
	For connection with indoor	Quantity		-		4	
		Remark		-		Earth wire included	

Notes

(1) 220V

(2) 230V

(3) 240V

(4) SL: The silent fan level of the air flow rate setting

3 Options

RXN25-35K

	Description	Option name
Outdoor unit	Air Direction Adjustment Grille	KPW937B4
	Drain plug	KKP937A4

RXN50-60K

	Description	Option name
Outdoor unit	Air Direction Adjustment Grille	KPW937C4
	Drain plug	KKP937A4

4 Electrical data

4 - 1 Electrical Data

RXN25-35K

Representative unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FTXN25KEV1B	RXN25KEV1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	7.5	16	3.4	20	0.21	15	0.15
		50 - 230				3.2		0.22		0.15
		50 - 240				3.1		0.22		0.16
FTXN35KEV1B	RXN35KEV1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	8.5	16	4.5	20	0.21	15	0.15
		50 - 230				4.2		0.22		0.15
		50 - 240				4.0		0.22		0.16

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SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)

NOTES

1. Maximum allowable voltage variation between phases is 2%
2. Select wire size based on the larger value of MCA.
3. Instead of fuse, use Circuit Breaker.

RXN50-60K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXN50KV1B	RXN50KEV1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	15.50	20	68	6.7	60	0.30	43	0.25
		50 - 230					6.4				
		50 - 240					6.1				
FTXN60KV1B	RXN60KEV1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	15.50	20	82	8.6	60	0.30	43	0.25
		50 - 230					8.2				
		50 - 240					7.9				

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SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)
RHz : Rated operating frequency (Hz)

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.

5 Capacity tables

5 - 1 Cooling/Heating Capacity Tables

FTXN25KEV1B + RXN25KEV1B

Cooling **50Hz 220-240V**

Temp: Celsius / TC, SHC, PI:kW

AFR	9.2
BF	0.20

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	20.0	2.42	1.94	0.59	2.42	1.94	0.67	2.33	1.89	0.73	2.28	1.87	0.75	2.21	1.84	0.79	2.10	1.78	0.84
16.0	22.0	2.68	1.97	0.61	2.56	1.92	0.67	2.44	1.86	0.73	2.40	1.84	0.75	2.33	1.81	0.79	2.21	1.76	0.85
18.0	25.0	2.79	2.08	0.62	2.68	2.03	0.68	2.56	1.98	0.73	2.51	1.96	0.76	2.44	1.93	0.79	2.33	1.88	0.85
19.0	27.0	2.85	2.20	0.62	2.73	2.16	0.68	2.62	2.11	0.74	2.57	2.09	0.76	2.50	2.06	0.80	2.38	2.02	0.85
22.0	30.0	3.02	2.13	0.62	2.91	2.09	0.68	2.79	2.05	0.74	2.74	2.03	0.77	2.67	2.01	0.80	2.56	1.97	0.86
24.0	32.0	3.14	2.08	0.63	3.02	2.04	0.69	2.90	2.00	0.75	2.86	1.99	0.77	2.79	1.97	0.80	2.67	1.93	0.86

Heating **50Hz 220-240V**

Temp: Celsius / TC, PI:kW

AFR	9.8

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.33	0.53	1.60	0.55	1.87	0.58	2.52	0.76	2.90	0.80	3.15	0.83
20.0	1.25	0.54	1.52	0.57	1.79	0.60	2.42	0.78	2.80	0.82	3.05	0.85
22.0	1.22	0.55	1.49	0.58	1.76	0.60	2.38	0.79	2.76	0.83	3.01	0.85
24.0	1.19	0.55	1.45	0.58	1.72	0.61	2.34	0.79	2.72	0.83	2.98	0.86
25.0	1.17	0.56	1.44	0.58	1.71	0.61	2.32	0.80	2.70	0.84	2.96	0.87
27.0	1.14	0.56	1.41	0.59	1.67	0.62	2.29	0.81	2.66	0.85	2.92	0.87

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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

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

FTXN35KEV1B + RXN35KEV1B

Cooling **50Hz 220-240V**

Temp: Celsius / TC, SHC, PI:kW

AFR	9.6
BF	0.24

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	20.0	2.40	1.92	0.81	2.40	1.92	0.89	2.40	1.92	0.97	2.40	1.92	1.00	2.40	1.92	1.05	2.40	1.92	1.13
16.0	22.0	3.21	2.21	0.82	3.21	2.21	0.90	3.13	2.17	0.97	3.07	2.14	1.01	2.98	2.10	1.05	2.83	2.03	1.13
18.0	25.0	3.57	2.41	0.82	3.42	2.35	0.90	3.28	2.28	0.98	3.22	2.25	1.01	3.13	2.21	1.06	2.98	2.15	1.14
19.0	27.0	3.65	2.53	0.82	3.50	2.47	0.90	3.35	2.40	0.98	3.29	2.38	1.01	3.20	2.34	1.06	3.05	2.28	1.14
22.0	30.0	3.87	2.44	0.83	3.72	2.38	0.91	3.57	2.32	0.99	3.51	2.30	1.02	3.42	2.27	1.07	3.27	2.21	1.15
24.0	32.0	4.02	2.37	0.84	3.87	2.32	0.91	3.72	2.27	0.99	3.66	2.25	1.02	3.57	2.21	1.07	3.42	2.16	1.15

Heating **50Hz 220-240V**

Temp: Celsius / TC, PI:kW

AFR	10.1

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.67	0.66	2.00	0.69	2.34	0.72	3.15	0.95	3.62	1.00	3.94	1.03
20.0	1.56	0.67	1.90	0.71	2.24	0.74	3.03	0.97	3.50	1.02	3.82	1.05
22.0	1.52	0.68	1.86	0.72	2.19	0.75	2.98	0.98	3.45	1.03	3.77	1.06
24.0	1.48	0.69	1.82	0.72	2.15	0.76	2.93	0.99	3.40	1.04	3.72	1.07
25.0	1.46	0.69	1.80	0.73	2.13	0.76	2.90	0.99	3.38	1.04	3.70	1.08
27.0	1.42	0.70	1.76	0.73	2.09	0.77	2.86	1.00	3.33	1.05	3.65	1.09

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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

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

FTXN50KV1B + RXN50KEV1B

Cooling **50Hz 220-240V**

AFR	14.7
BF	0.15

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	3.78	1.20	4.89	3.67	1.31	4.66	3.55	1.43	4.56	3.50	1.47	4.42	3.44	1.54	4.19	3.32	1.66
16.0	22	5.35	3.72	1.20	5.12	3.61	1.32	4.89	3.50	1.43	4.79	3.46	1.48	4.65	3.39	1.55	4.42	3.29	1.66
18.0	25	5.58	3.89	1.21	5.35	3.79	1.33	5.12	3.69	1.44	5.02	3.65	1.49	4.88	3.59	1.56	4.65	3.49	1.67
19.0	27	5.70	4.10	1.21	5.47	4.00	1.33	5.23	3.90	1.44	5.14	3.87	1.49	5.00	3.81	1.56	4.77	3.71	1.68
22.0	30	6.04	3.95	1.22	5.81	3.87	1.34	5.58	3.78	1.46	5.49	3.75	1.50	5.35	3.70	1.57	5.11	3.61	1.69
24.0	32	6.27	3.85	1.23	6.04	3.77	1.35	5.81	3.69	1.46	5.72	3.66	1.51	5.58	3.61	1.58	5.34	3.54	1.69

Heating **50Hz 220-240V**

AFR	16.1

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.70	1.33	4.32	1.39	4.94	1.46	5.69	1.53	6.19	1.59
20.0	3.51	1.36	4.13	1.43	4.75	1.49	5.50	1.57	6.00	1.62
22.0	3.44	1.38	4.06	1.44	4.68	1.51	5.42	1.58	5.92	1.64
24.0	3.36	1.39	3.98	1.46	4.60	1.52	5.35	1.60	5.84	1.65
25.0	3.32	1.40	3.94	1.46	4.56	1.53	5.31	1.61	5.81	1.66
27.0	3.25	1.41	3.87	1.48	4.49	1.54	5.23	1.62	5.73	1.67

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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

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

FTXN60KV1B + RXN60KEV1B

Cooling **50Hz 220-240V**

AFR	16.2
BF	0.19

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	6.15	4.37	1.53	5.87	4.22	1.67	5.59	4.08	1.82	5.48	4.02	1.88	5.31	3.94	1.97	5.03	3.80	2.12
16.0	22	6.42	4.29	1.54	6.14	4.16	1.68	5.86	4.02	1.83	5.75	3.97	1.89	5.59	3.89	1.98	5.31	3.76	2.12
18.0	25	6.70	4.47	1.54	6.42	4.34	1.69	6.14	4.21	1.84	6.03	4.16	1.90	5.86	4.09	1.99	5.58	3.96	2.13
19.0	27	6.84	4.68	1.55	6.56	4.56	1.70	6.28	4.43	1.84	6.17	4.39	1.90	6.00	4.31	1.99	5.72	4.20	2.14
22.0	30	7.25	4.50	1.56	6.97	4.39	1.71	6.69	4.28	1.86	6.58	4.24	1.91	6.41	4.18	2.00	6.14	4.07	2.15
24.0	32	7.53	4.37	1.57	7.25	4.27	1.72	6.97	4.17	1.86	6.86	4.14	1.92	6.69	4.08	2.01	6.41	3.98	2.16

Heating **50Hz 220-240V**

AFR	17.4

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	4.24	1.56	4.95	1.64	5.66	1.72	6.52	1.81	7.09	1.87
20.0	4.02	1.61	4.73	1.68	5.45	1.76	6.30	1.85	6.87	1.91
22.0	3.94	1.62	4.65	1.70	5.36	1.78	6.21	1.87	6.78	1.93
24.0	3.85	1.64	4.56	1.72	5.27	1.79	6.13	1.88	6.70	1.94
25.0	3.81	1.65	4.52	1.72	5.23	1.80	6.08	1.89	6.65	1.95
27.0	3.72	1.66	4.43	1.74	5.14	1.82	6.00	1.91	6.46	1.97

3D070960

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)

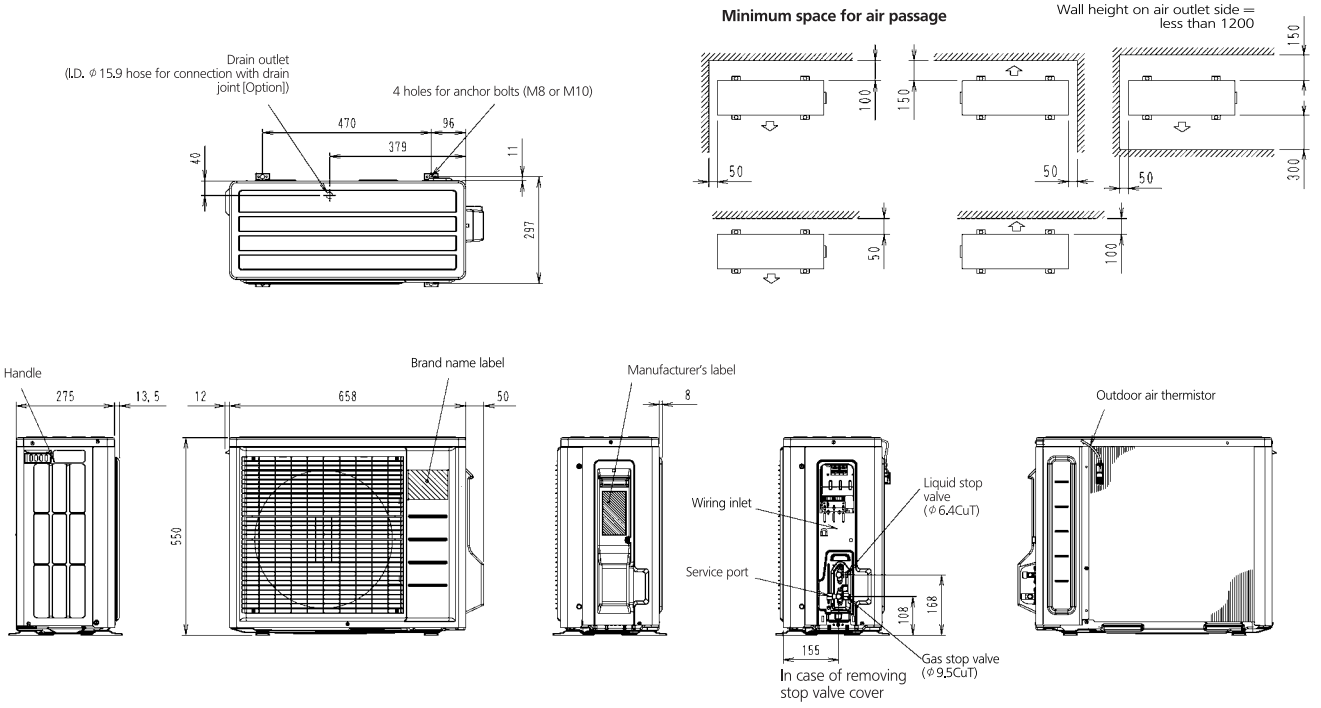
NOTES

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

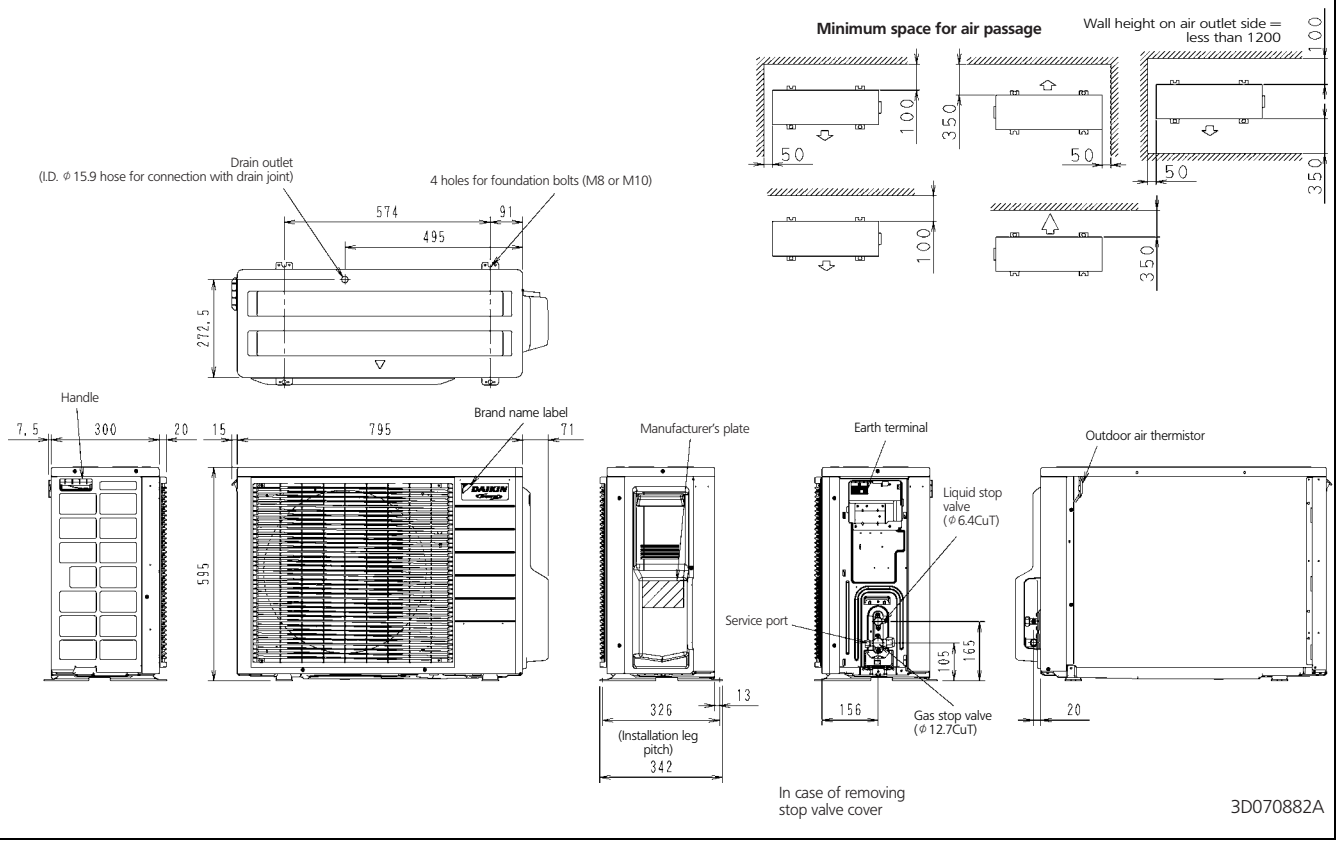
6 - 1 Dimensional Drawings

RXN25-35K



3D071328

RXN50-60K

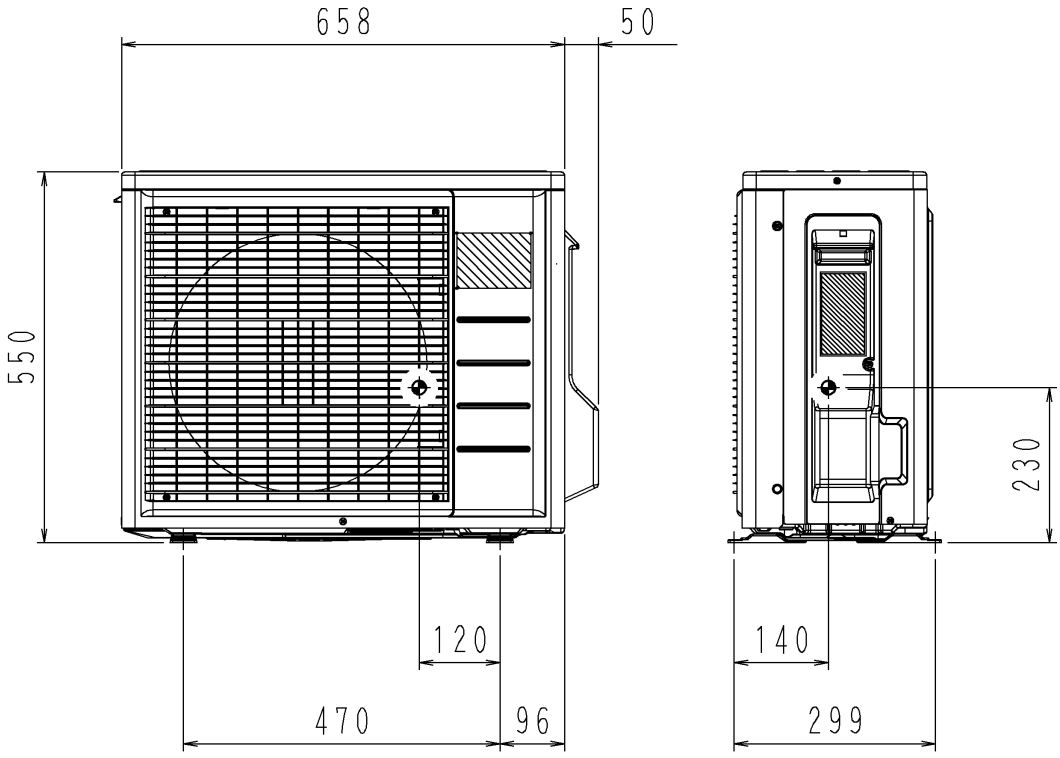


3D070882A

7 Centre of gravity

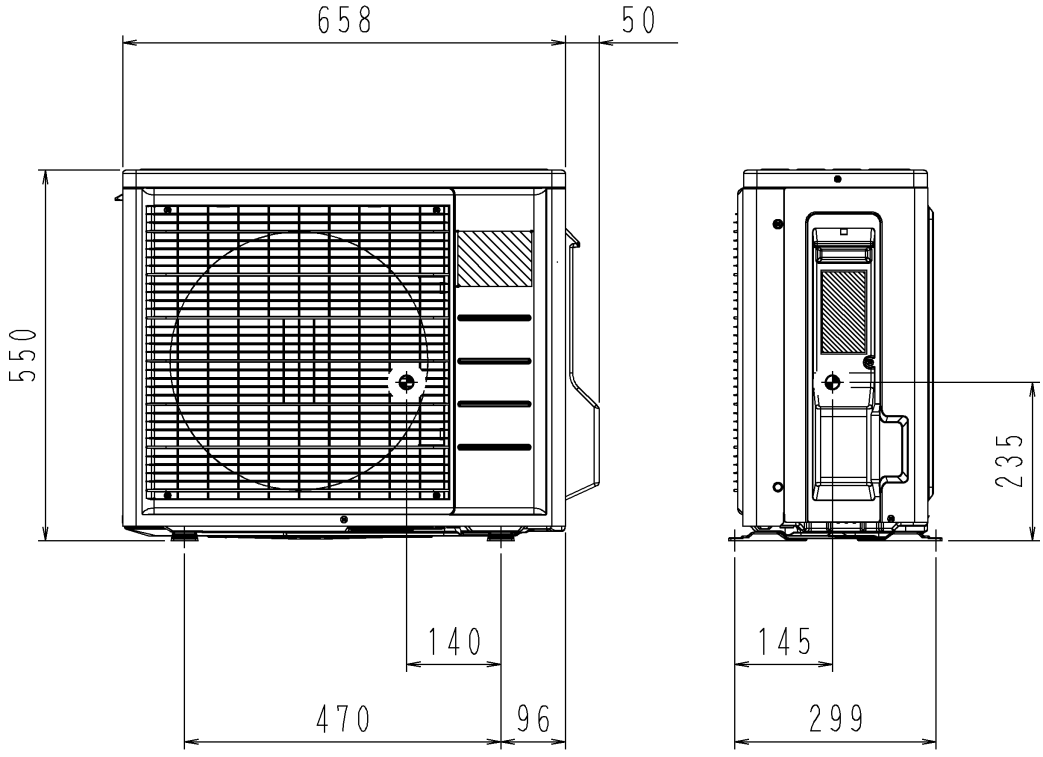
7 - 1 Centre of Gravity

RXN25K



4D071383

RXN35K

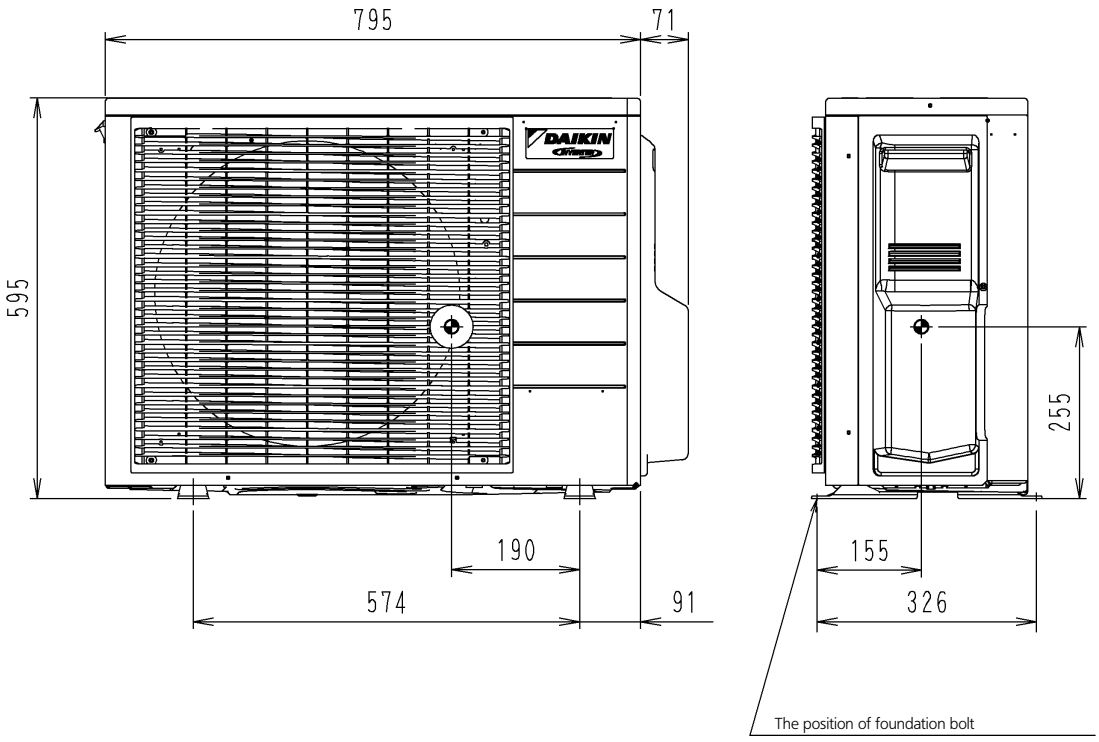


4D071375

7 Centre of gravity

7 - 1 Centre of Gravity

RXN50-60K

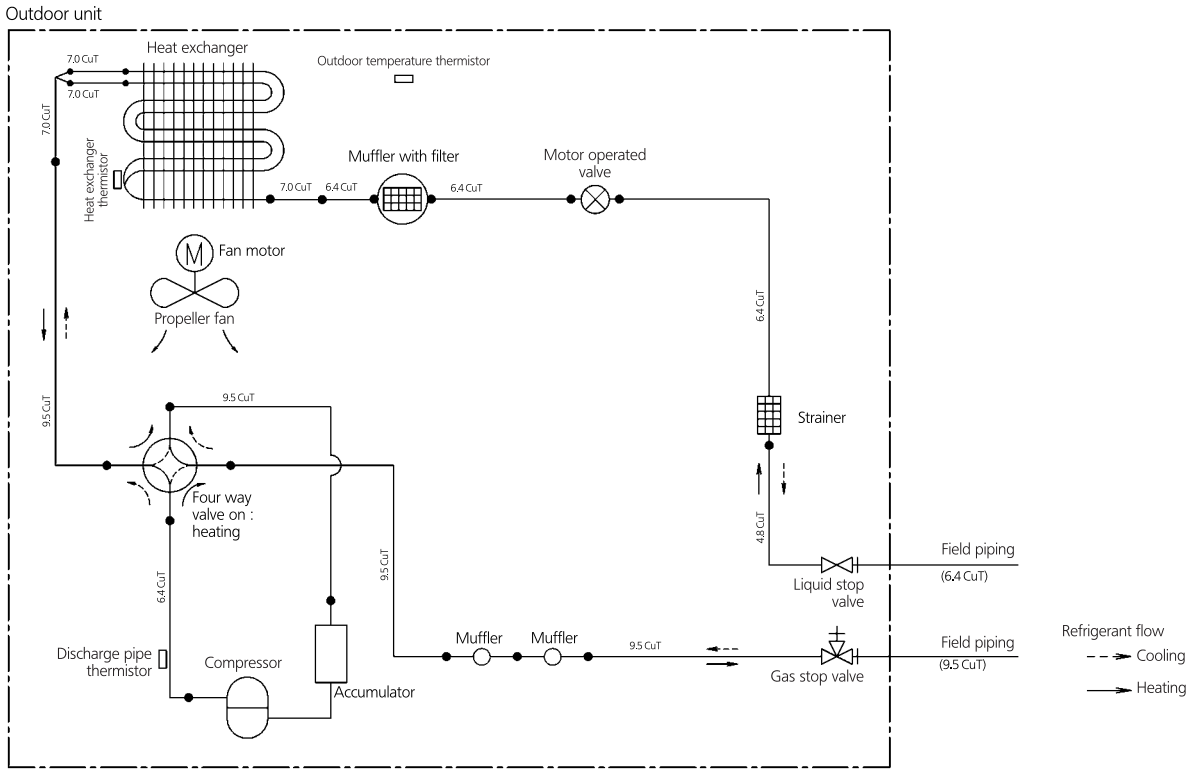


4D070883

8 Piping diagrams

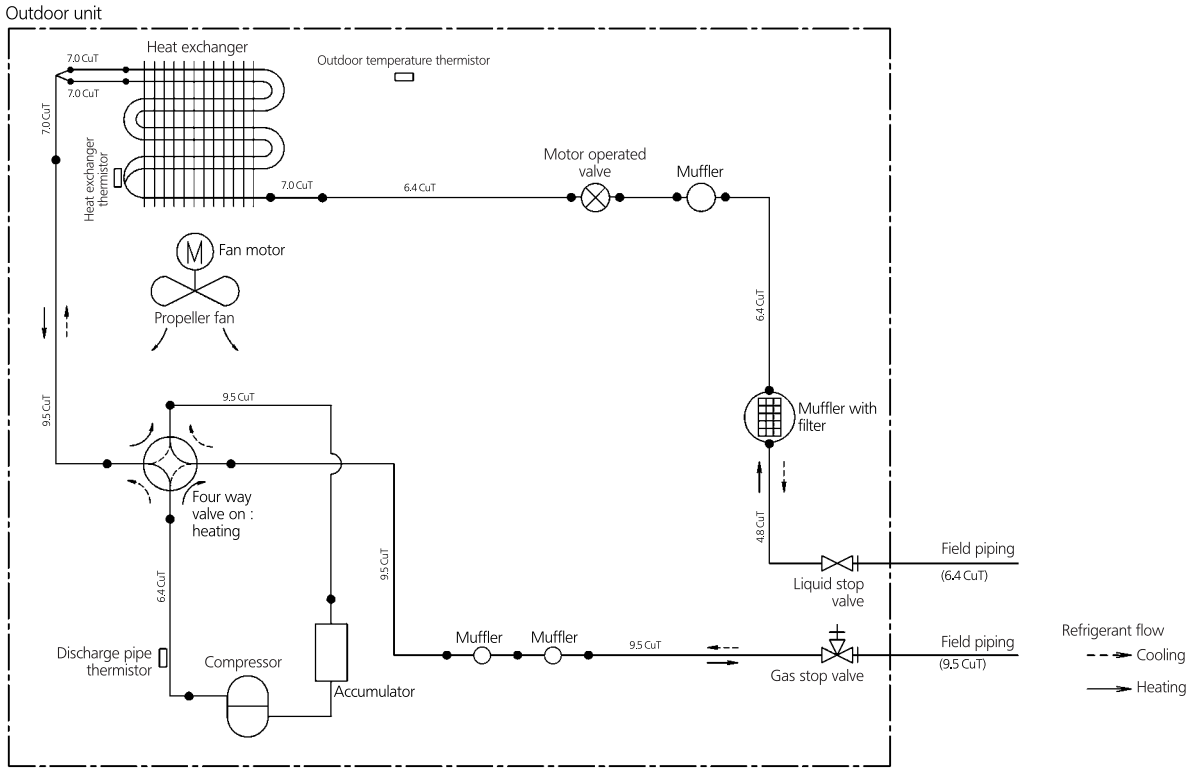
8 - 1 Piping Diagrams

RXN25K



3D066213A

RXN35K

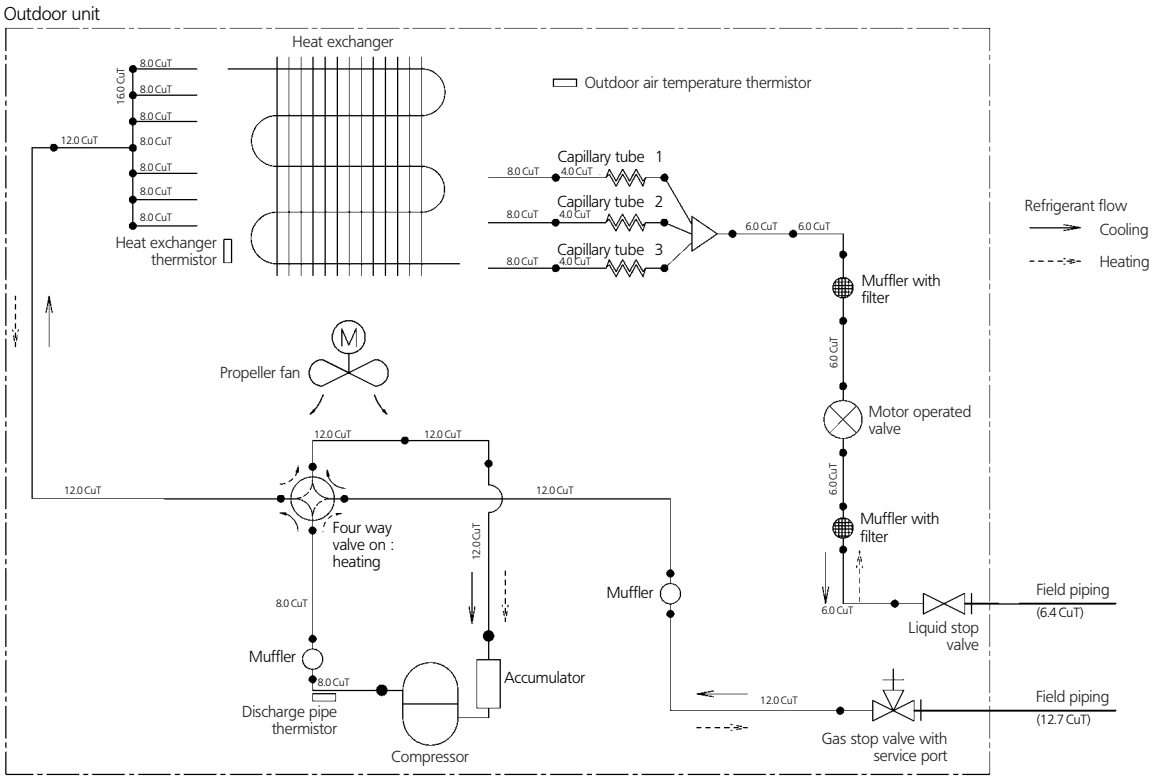


3D071264

8 Piping diagrams

8 - 1 Piping Diagrams

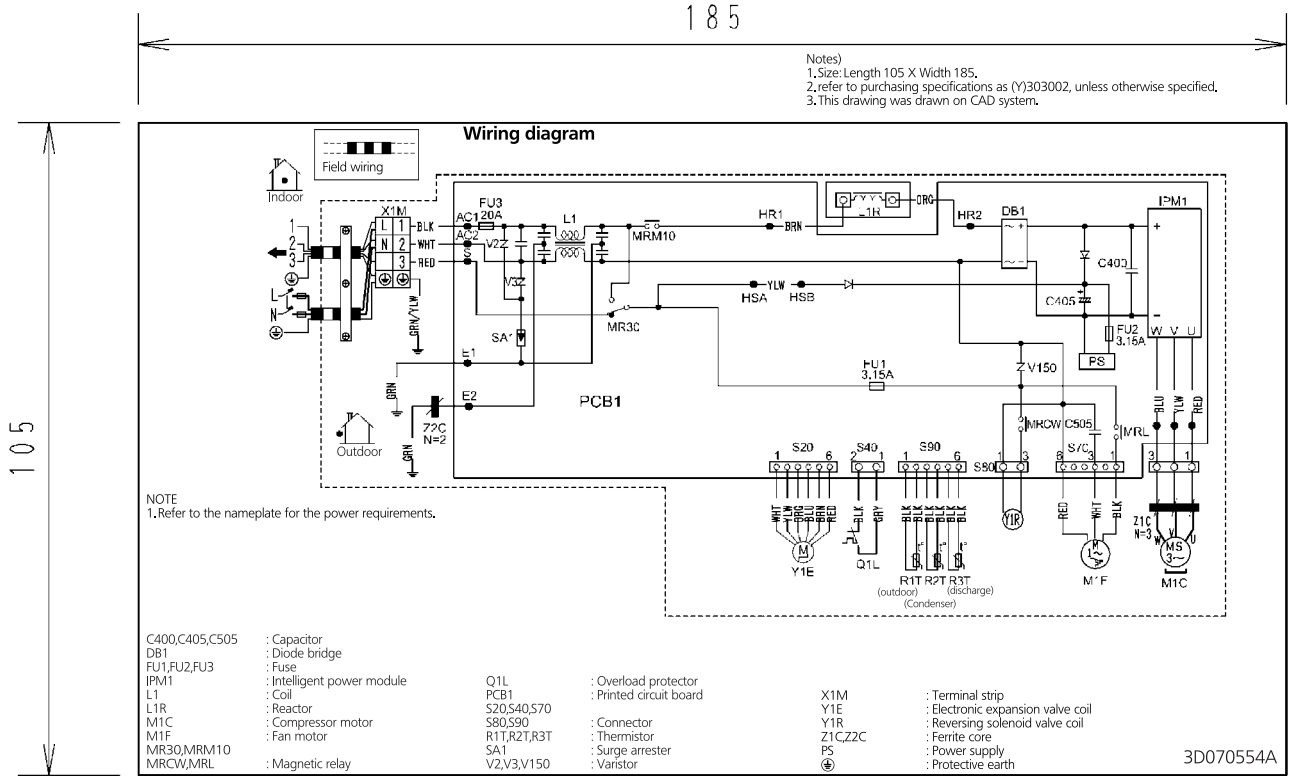
RXN50-60K



9 Wiring diagrams

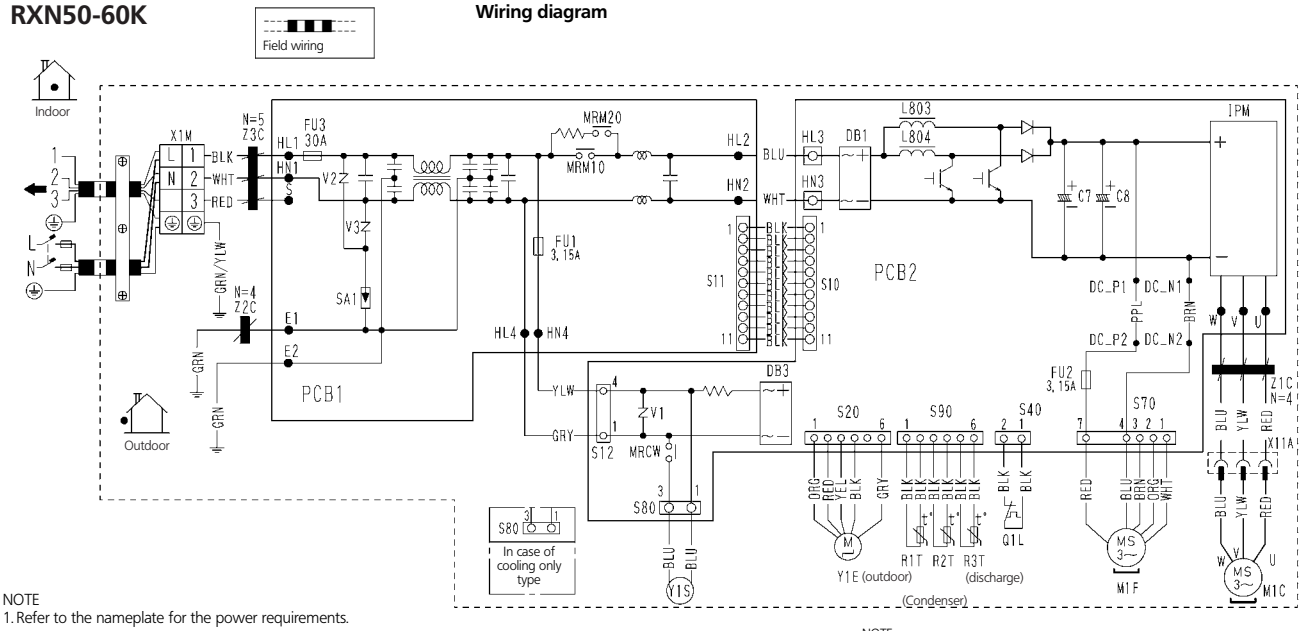
9 - 1 Wiring Diagrams - Single Phase

RXN25-35K



C400,C405,C505	: Capacitor				
DB1	: Diode bridge				
FU1,FU2,FU3	: Fuse				
IPM	: Intelligent power module	Q1L	: Overload protector	X1M	: Terminal strip
L1	: Coil	PCB1	: Printed circuit board	Y1E	: Electronic expansion valve coil
L1R	: Reactor	S20,S40,S70		Y1R	: Reversing solenoid valve coil
M1C	: Compressor motor	S80,S90	: Connector	Z1C,Z2C	: Ferrite core
M1F	: Fan motor	R1T,R2T,R3T	: Thermistor	PS	: Power supply
MR30,MRM10		SA1	: Surge arrester	⏚	: Protective earth
MRCW,MRL	: Magnetic relay	V2,V3,V150	: Varistor		

RXN50-60K



NOTE
1. Refer to purchasing specification AS303002, unless otherwise specified.
2. This drawing was drawn on CAD system.
3. Size: Length 140 X Width 230.

C7,C8	: Capacitor				
DB1,DB3	: Diode bridge				
FU1,FU2,FU3	: Fuse				
IPM	: Intelligent power module	N	: Neutral	SA1	: Surge absorber
L	: Live	Q1L	: Overload protector	V1,V2,V3	: Varistor
L803, L804	: Reactor	PCB1,PCB2	: Printed circuit board	X1M	: Terminal strip
M1C	: Compressor motor	S10,S11,S12,S20		Y1E	: Electronic expansion valve coil
M1F	: Fan motor	S40,S70,S80,S90		Y1S	: Reversing solenoid valve coil
MRCW,		HL3,HN3,X11A	: Connector	Z1C,Z2C,Z3C	: Ferrite core
MRM10,MRM20	: Magnetic relay	R1T,R2T,R3T	: Thermistor	⏚	: Protective earth

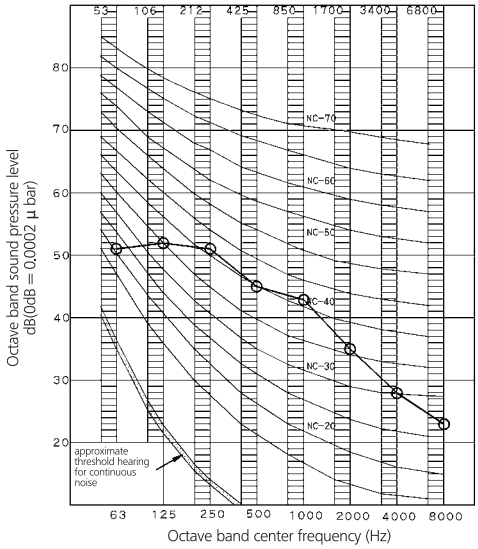
3D070732-1

10 Sound data

10 - 1 Sound Pressure Spectrum

RXN25K

Cooling



Overall (dB)

Scale	50Hz 230V (H)
A	47

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

Operating conditions

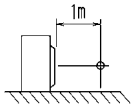
Power source 230V 50Hz

50Hz 230V

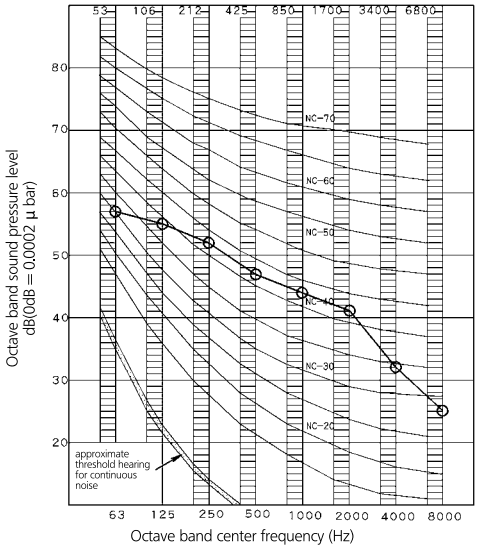
Cooling

Location of microphone

The operation noise measuring method is in accordance with JISC9612



Heating



3D066861A

Overall (dB)

Scale	50Hz 230V (H)
A	48

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

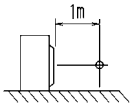
Power source 230V 50Hz

50Hz 230V

Heating

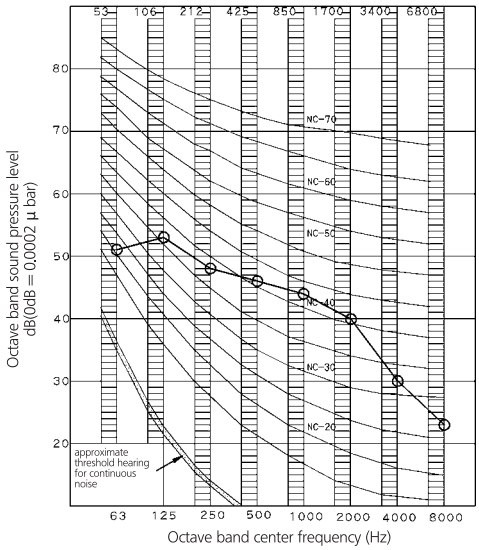
Location of microphone

The operation noise measuring method is in accordance with JISC9612



RXN35K

Cooling



Overall (dB)

Scale	50Hz 230V (H)
A	49

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

Operating conditions

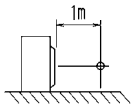
Power source 230V 50Hz

50Hz 230V

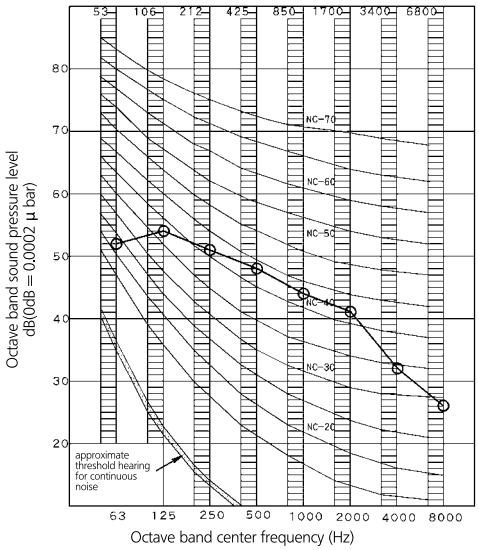
Cooling

Location of microphone

The operation noise measuring method is in accordance with JISC9612



Heating



3D066863A

Overall (dB)

Scale	50Hz 230V (H)
A	50

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

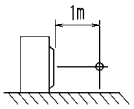
Power source 230V 50Hz

50Hz 230V

Heating

Location of microphone

The operation noise measuring method is in accordance with JISC9612



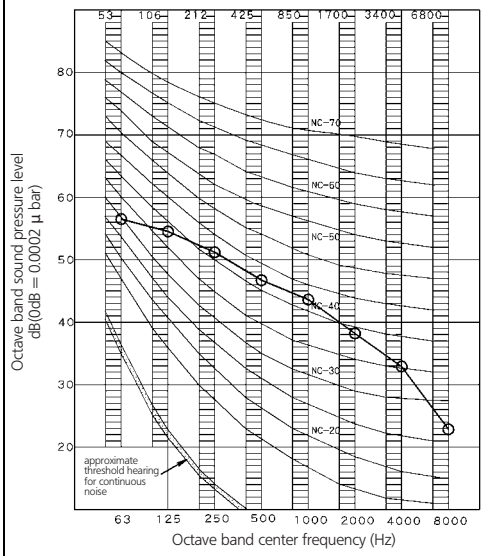
10 Sound data

10 - 1 Sound Pressure Spectrum

10

RXN50K

Cooling



Overall (dB)

Scale	50Hz 220-240V (H)
A	49

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

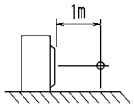
Power source 220-240V 50Hz

50Hz 220-240V

Cooling

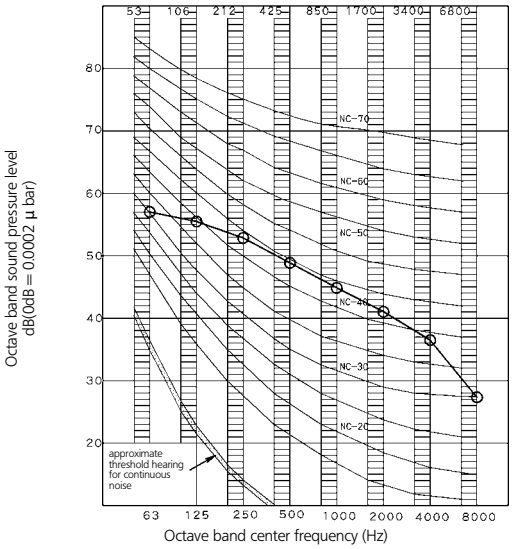
Location of microphone

The operation noise measuring method is in accordance with JISC9612



NOTE: Operation noise differs with operation and ambient conditions.

Heating



3D071033

Overall (dB)

Scale	50Hz 220-240V (H)
A	51

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

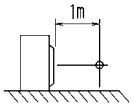
Power source 220-240V 50Hz

50Hz 220-240V

Heating

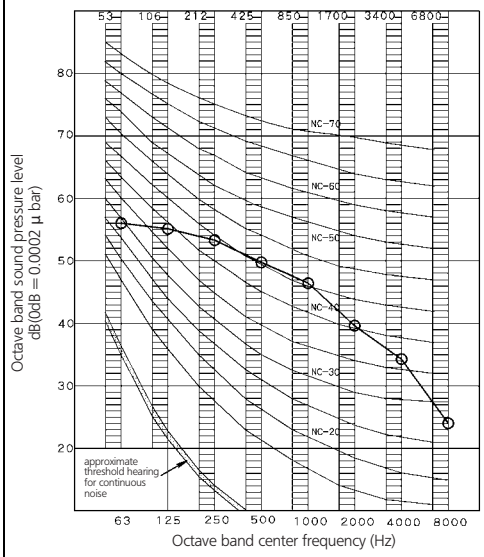
Location of microphone

The operation noise measuring method is in accordance with JISC9612



RXN60K

Cooling



Overall (dB)

Scale	50Hz 220-240V (H)
A	52

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

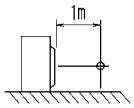
Power source 220-240V 50Hz

50Hz 220-240V

Cooling

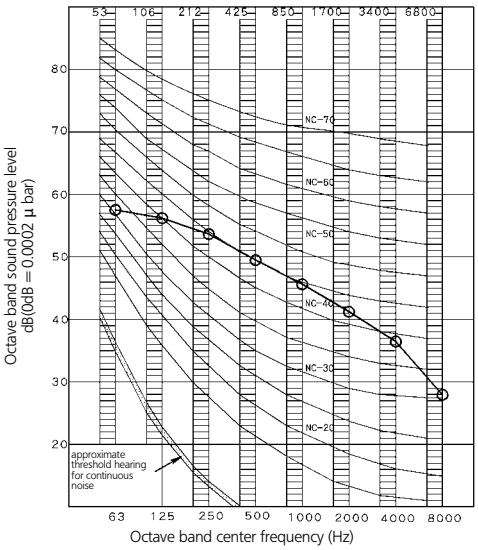
Location of microphone

The operation noise measuring method is in accordance with JISC9612



NOTE: Operation noise differs with operation and ambient conditions.

Heating



3D071005

Overall (dB)

Scale	50Hz 220-240V (H)
A	52

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

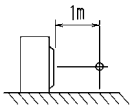
Power source 220-240V 50Hz

50Hz 220-240V

Heating

Location of microphone

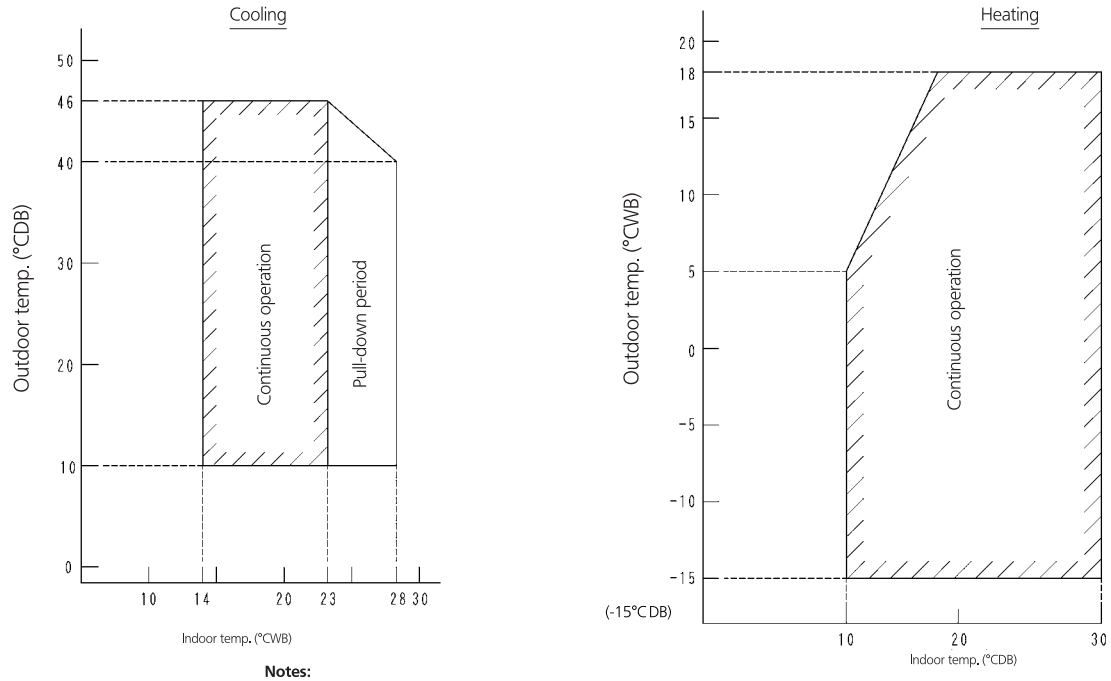
The operation noise measuring method is in accordance with JISC9612



11 Operation range

11 - 1 Operation Range

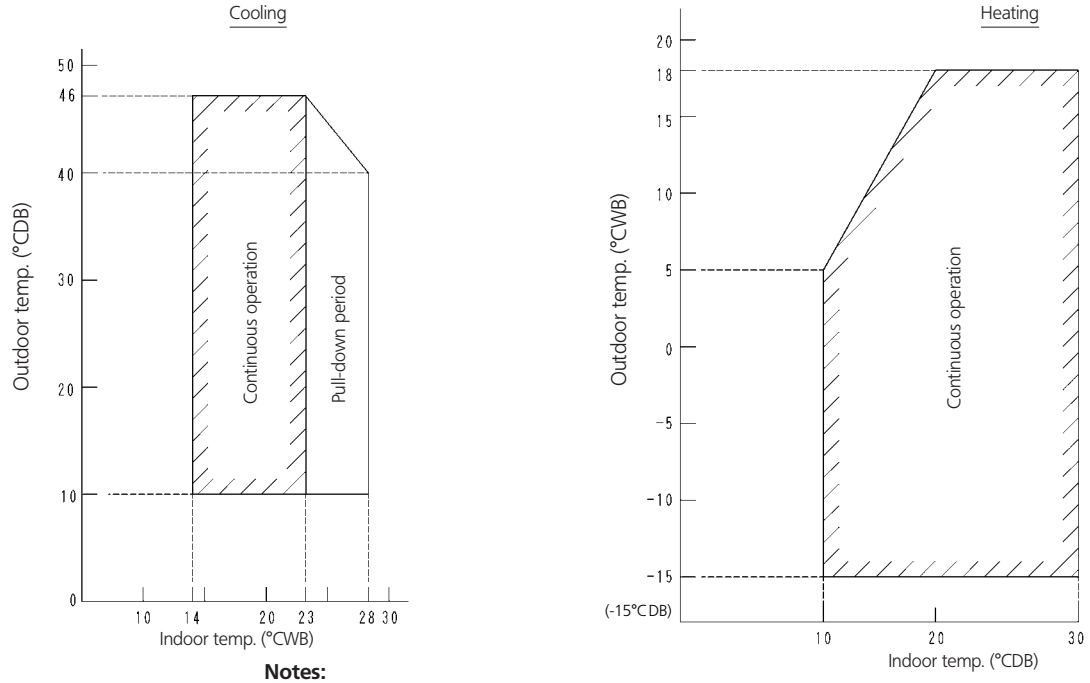
RXN25-35K



Notes:
The graphs are based on the following conditions:
- Equivalent piping length 5 m
- Level difference 0 m
- Air flow rate high

3D071996

RXN50-60K



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

3D070930A