

Air Conditioning Technical Data

RXM-M

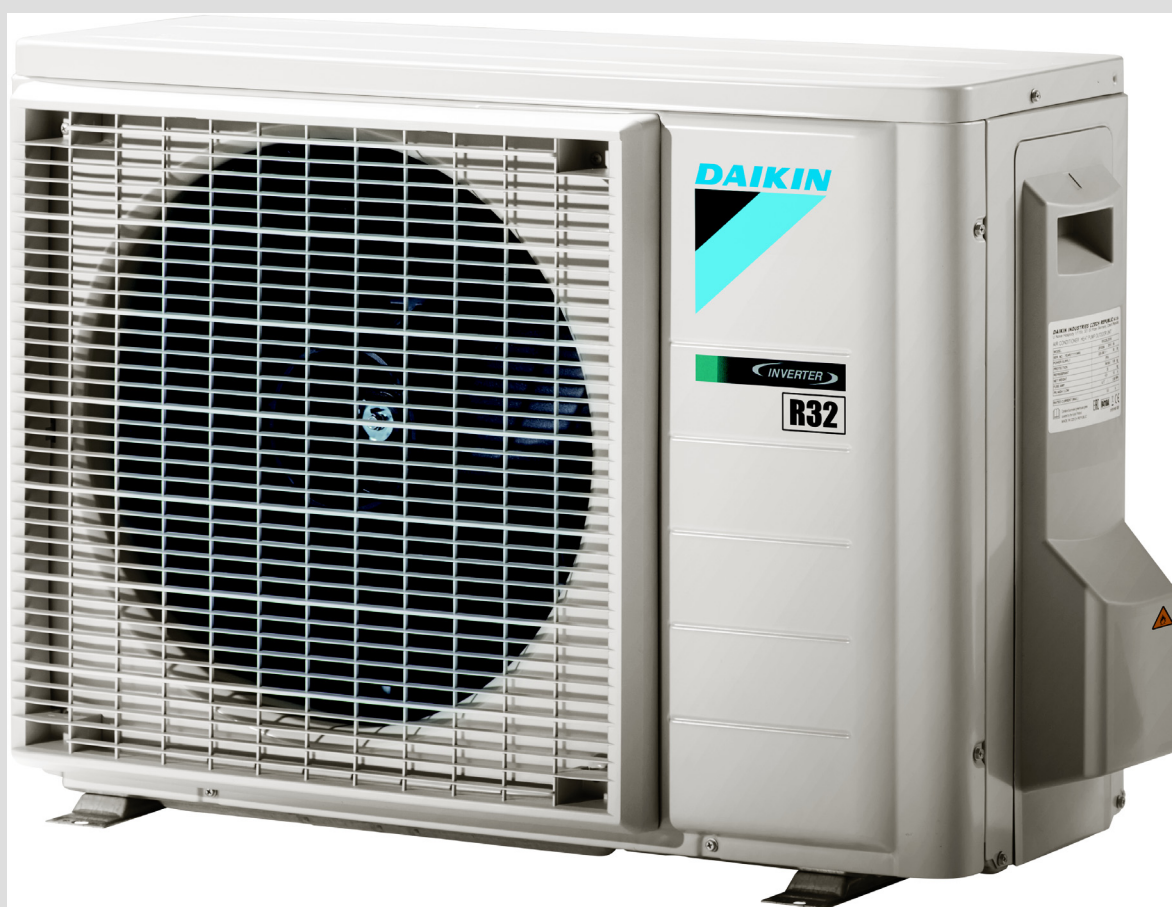


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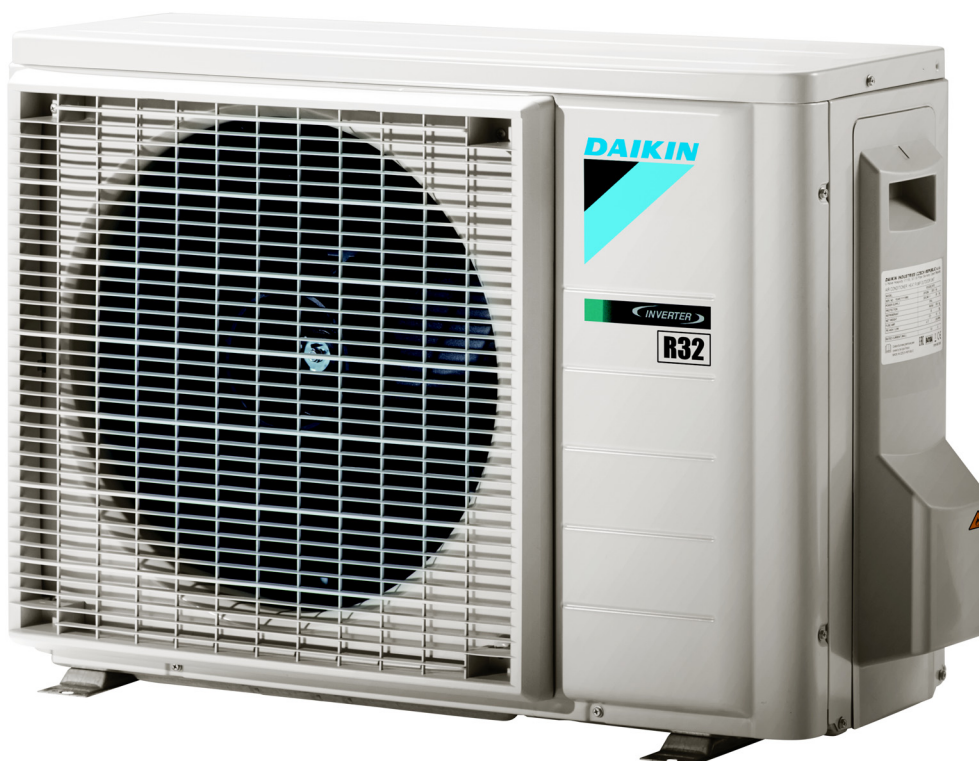
RXM-M

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1 Features

- Seasonal efficiency values up to A+++
- Anti-corrosion treated outdoor heat exchanger fin
- Daikin outdoor units are neat, sturdy and can easily be mounted 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
- Outdoor units for pair application

1



Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power input				FTXM20M/ RXM20M	FTXM25M/ RXM25M	FTXM35M/ RXM35M	FTXM42M/ RXM42M	FTXM71M/ RXM71M	FTXM50M/ RXM50M	FTXM60M/ RXM60M
Indoor unit				FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM71M	FTXM50M	FTXM60M
Outdoor unit				RXM20M	RXM25M	RXM35M	RXM42M	RXM71M	RXM50M	RXM60M
Cooling capacity	Rated		kW	-				7.10	-	
			Btu/h	-				24,200.00	-	
			kcal/h	-				6,100.00	-	
	Min.		kW	1.3		1.4	1.7	2.3	1.7	1.9
			Btu/h	4,400		4,800	5,800	7,800.0	5,800	6,500
			kcal/h	1,120		1,200	1,460	2,000.0	1,460	1,700
	Nom.		kW	2.0	2.5	3.40	4.2	7.10	5.00	6.00
			Btu/h	6,800	8,500	11,600	14,300	24,200.0	17,100	20,500
			kcal/h	1,720	2,150	2,920	3,610	6,100.0	4,300	5,160
	Max.		kW	2.6	3.2	4.0	5.0	8.5	5.3	6.7
			Btu/h	8,900	11,000	13,600	17,100	29,000.0	18,100	22,900
			kcal/h	2,240	2,750	3,440	4,300	7,300.0	4,560	5,800
Heating capacity	Rated		kW	-				8.20	-	
			Btu/h	-				28,000.00	-	
			kcal/h	-				7,000.00	-	
	Min.		kW	1.3		1.4	1.7	2.30	1.7	
			Btu/h	4,400		4,800	5,800	7,800.0	5,800	
			kcal/h	1,120		1,200	1,460	2,000.0	1,460	1,500
	Nom.		kW	2.50	2.8	4.00	5.40	8.20	5.8	7.00
			Btu/h	8,500	9,500	13,600	18,400	28,000.0	19,800	23,900
			kcal/h	2,150	2,400	3,440	4,640	7,000.0	4,990	6,020
	Max.		kW	3.5	4.70	5.2	6.0	10.20	6.5	8.0
			Btu/h	11,900	16,000	17,700	20,500	34,800.0	22,200	27,300
			kcal/h	3,010	4,040	4,470	5,160	8,800.0	5,590	6,900
Power input	Cooling	Min.	kW	0.27		0.31	0.43	0.49	-	0.30
		Nom.	kW	0.44	0.56	0.80	1.12	2.12	1.36	1.77
		Max.	kW	0.63	0.78	1.04	1.47	3.44	-	2.30
	Heating	Min.	kW	0.24		0.32	0.38	0.45	-	0.27
		Nom.	kW	0.50	0.56	0.99	1.31	2.25	1.45	1.94
		Max.	kW	0.91	1.22	1.67	1.89	3.51	-	2.40
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+++				A++		
		Pdesign	kW	2.00	2.50	3.40	4.20	7.10	5.00	6.00
		SEER		8.53	8.52	8.51	7.50	6.11	7.33	6.90
		Annual energy consumption	kWh	83	103	140	196	407	239	304
	Heating (Average climate)	Energy label		A+++			A++	A	A++	A+
		Pdesign	kW	2.30	2.40	2.50	4.00	6.20	4.60	
		SCOP/A		5.10			4.60	3.81	4.60	4.30
		Annual energy consumption	kWh	632	659	686	1,216	2,276	1,400	1,496
Piping connections	Liquid	Quantity		-				1	-	
	Gas	Quantity		-				1	-	
Current - 50Hz	Maximum running current		A	-				18.3	-	
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.09	2.57	4.38	5.11	7.2	6.26	7.90
		Heating	A	2.23	2.48	4.78	5.93	7.2	6.56	8.50
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61	62	66	62
	Sound power level indoor	Cooling	Nom.	dBA	57		60		62	59
	Piping length	Cooling	Measuring condition	m	-			5.0	-	

2 Specifications

2-1 Capacity and Power input				FTXM20M/ RXM20M	FTXM25M/ RXM25M	FTXM35M/ RXM35M	FTXM42M/ RXM42M	FTXM71M/ RXM71M	FTXM50M/ RXM50M	FTXM60M/ RXM60M
Nominal efficiency	EER			4.57	4.50	4.23	3.75	3.35	3.68	3.39
	COP			5.00		4.40	4.12	3.65	4.00	3.61
	Annual energy consumption		kWh	219	278	421	560	1,172	679	885
	Energy label	Cooling		A				B	A	
Heating		A				-	A			

Notes

EER/COP according to Eurovent 2012, for use outside EU only

Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

2-2 Technical Specifications				RXM20M	RXM25M	RXM35M	RXM42M	RXM50M	RXM60M	RXM71M	
Capacity control	Method			-						Variable (inverter)	
Casing	Colour			Ivory white							
Dimensions	Unit	Height	mm	550		735			734		
		Width	mm	765		825			870		
		Depth	mm	285		300			320		
	Packed unit	Height	mm	612		797			820		
		Width	mm	906		992			1,050		
		Depth	mm	402		437			480		
Weight	Unit		kg	32		47	44		56.0		
	Packed unit		kg	34		48		60			
Packing	Material			-						PE wrapping foil / EPS / Carton / PP (Straps)	
	Weight		kg	2		1	4				
Heat exchanger	Length		mm	805		845			920		
	Rows	Quantity		2							
	Fin pitch		mm	1.4		1.8			1.40		
	Face area		m²	-						0.658	
	Stages	Quantity		24		32					
	Tube type			ø7 Hi-XD		ø8 Hi-XA			7.0 Hi-XD		
	Tube material			-						Seamless copper	
	Tube diameter		mm	-						7	
	Fin	Type			Waffle fin (PE)		Precoat Fin	Waffle fin (PE)			
		Treatment		-						Anti Corrosion Hydrophilic	
Compressor	Quantity			-						1	
	Model			1YC25GXD#C		2YC40JXD C	2YC40GXD #A	2YC40JXD C	2YC71DXD #C		
	Oil Amount		cm³	-						900	
	Type			Hermetically sealed swing compressor							
	Output		W	800		1,300		1,300.0	2,400.0		
	Power input	Cooling	Nom.	W	-						2,065
		Heating	Nom.	W	-						2,187
	Running current	Cooling	Nom.	A	-						9
		Heating	Nom.	A	-						10

2 Specifications

2-2 Technical Specifications					RXM20M	RXM25M	RXM35M	RXM42M	RXM50M	RXM60M	RXM71M
Fan	Type				Propeller fan						Propeller
	Discharge direction				-						Horizontal
	Quantity				-						1
	Air flow rate	Cooling	High	m³/min	36.0			50.9	50.4		67.3
				cfm	1,271			1,800	1,780		2,380
			Low	m³/min	-			38.5		-	
				cfm	-			1,359		-	
		Heating	High	m³/min	28.3			45.4	40.4		55.3
				cfm	999			1,603	1,427		1,950
			Low	m³/min	-			34.3		40.4	-
cfm				-			1,211		1,427	-	
Running current	Cooling	Standard	A	-						0.4	
	Heating	Standard	A	-						0.4	
Fan motor	Quantity				-						1
	Model				ARW34W8P50DA			KFD-380-50-8D	ARW7406DA		D90B-37
	Index of Protection				-						23
	Insulation grade				-						Class "E"
	Poles				-						8
	Output			W	50			68			128
	Drive				-						Brushless
	Speed	Cooling	High	rpm	920			780	710	810	880
			Nom.	rpm	-						780
			Low	rpm	800			620	630	620	700
			Super low	rpm	-						680
		Heating	High	rpm	860			730			740
			Nom.	rpm	-						740
			Low	rpm	400			730	620	730	680
			Super low	rpm	-						
Sound power level	Cooling			dBA	59		61	63		64	
	Heating			dBA	59		61	63	62	63	
Sound pressure level	Cooling	High		dBA	46		49	48		47	
		Low		dBA	-			44		-	
	Heating	High		dBA	47		49	48	49		48
		Low		dBA	-			45		-	
Operation range	Cooling	Ambient	Min.	°CDB	-10						
			Max.	°CDB	46						
	Heating	Ambient	Min.	°CWB	-15						
			Max.	°CWB	18						
Refrigerant	Type				R-32						
	Charge			kg	0.76		1.30	1.4	1.45	1.15	
				TCO ₂ eq	0.5		0.9		1.0	0.780	
	Control				-						Inverter / Motor operated expansion valve
GWP				675							

2 Specifications

2-2 Technical Specifications					RXM20M	RXM25M	RXM35M	RXM42M	RXM50M	RXM60M	RXM71M
Piping connections	Liquid	Quantity			-						1
		Type			-						Flare connection
		OD	mm		6.35						
	Gas	Quantity			-						1
		Type			-						Flare connection
		OD	mm		9.5			12.7			15.9
	Drain	Quantity			-						1
		ID	mm		-						
		OD	mm		18						
	Piping length	OU - IU	Min.	m	-						3
			Max.	m	15			30			
		System	Chargeless	m	10						
Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)							
Level difference	IU - OU	Max.	m	12			20				
Heat insulation				Both liquid and gas pipes							
Refrigerant oil	Type				FW68DA						
	Charged volume			l	0.375			0.650		0.9	
Defrost method					-						Reversed cycle
Defrost control					-						Outdoor heat exchanger and ambient sensor

Standard Accessories : Drain plug (only heat pump models); Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Refrigerant charge label; Quantity : 1;

Standard Accessories : Multilingual fluorinated greenhouse gases labels; Quantity : 1;

Standard Accessories : Drain cap; Quantity : 6;

2-3 Electrical Specifications				RXM20M	RXM25M	RXM35M	RXM42M	RXM50M	RXM60M	RXM71M
Power supply	Name			V1						
	Phase			1~						
	Frequency		Hz	50						
	Voltage		V	220-240						
	Voltage range	Min.	%	-					90	
		Max.	%	-					110	
Current - 50Hz	Maximum fuse amps (MFA)		A	10			15		20	
Current	Nominal running current (RLA)	Cooling	A	1.95	2.47	4.23	4.97	6.48	7.72	9.19
		Heating	A	2.12	2.4	4.67	5.83	6.33	8.37	9.70
	Starting current	Cooling	A	3.7		4.4	6.8	6.6		9.5
		Heating	A	3.7		4.4	6.8	6.6		9.5
	Maximum running current	Cooling	A	-					17.7	
		Heating	A	-					17.7	
Current - 60Hz	Maximum fuse amps (MFA)		A	-						

Notes

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

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RXM20-35M

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	1	2	3	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXM20M	RXM20M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,0	10	35,0	2,2	0,023	0,23	0,022	0,20
		50	230					2,1				
		50	240					2,0				
FTXM25M	RXM25M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,1	10	46,0	2,8	0,023	0,23	0,022	0,20
		50	230					2,7				
		50	240					2,6				
FTXM35M	RXM35M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,8	10	60,0	4,6	0,023	0,23	0,028	0,23
		50	230					4,4				
		50	240					4,2				

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

- 1 Hz
2 Voltage
3 Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
RLA Rated load amps [A]

- OFM Outdoor fan motor
IFM Indoor fan motor
FLA Full Load Ampere (A)
kW Fan motor rated output [kW]
RHz Rated operating frequency [Hz]

3D092132C

RXM42-50M

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	1	2	3	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXM42M	RXM42M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,3	10	56,5	5,2	0,068	0,34	0,023	0,15
		50	230					5,0				
		50	240					4,8				
FTXM50M	RXM50M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,0	15	53,5	4,9	0,068	0,34	0,023	0,15
		50	230					4,7				
		50	240					4,5				

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

- 1 Hz
2 Voltage
3 Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
RLA Rated load amps [A]

- OFM Outdoor fan motor
IFM Indoor fan motor
FLA Full Load Ampere (A)
kW Fan motor rated output [kW]
RHz Rated operating frequency [Hz]

3D092133A

3 Electrical data

3 - 1 Electrical Data

3

RXM42-60M

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	1	2	3	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXM42M2V1B	RXM42MV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,3	10	56,5	5,2	0,068	0,34	0,028	0,23
		50	230					5,0				
		50	240					4,8				
FTXM50M2V1B	RXM50MV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,0	15	53,5	4,9	0,068	0,34	0,046	0,30
		50	230					4,7				
		50	240					4,5				
FTXM60M2V1B	RXM60M2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,0	15	73,0	5,9	0,068	0,34	0,049	0,32
		50	230					5,7				
		50	240					5,5				

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

- 1 Hz
2 Voltage
3 Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
RLA Rated load amps (A)

- OFM Outdoor fan motor
IFM Indoor fan motor
FLA Full Load Ampere (A)
kW Fan motor rated output [kW]
RHz Rated operating frequency [Hz]

3D092133B

3 Electrical data

3 - 1 Electrical Data

FTXM71M2V1B - RXM71M2V1B

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXM71M2V1B	RXM71M2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	18,3	20	49,0	7,6	0,058	0,38	0,052	0,34
		50	230					7,2				
		50	240					6,9				

Notes

1. The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
2. Select the wire size according to the MCA.
3. The maximum allowable voltage that is unbalanced between phases is 2%.
4. Use a circuit breaker instead of a fuse.

Symbols

①	Hz	COMP	Compressor
②	Voltage	OFM	Outdoor fan motor
③	Voltage range	IFM	Indoor fan motor
MCA	Minimum Circuit Ampere [A]	FLA	Full Load Ampere [A]
MFA	Maximum Fuse Ampere [A]	kW	Fan motor rated output [kW]
RLA	Rated load amps [A]	RHz	Rated operating frequency [Hz]

3D105008

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM20M2V1B + RXM20M2V1B

Cooling 220-240V 50Hz

AFR	11.1
BF	0.16

1	2	3																	
		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	20	2.05	1.76	0.11	1.96	1.72	0.13	1.86	1.68	0.20	1.83	1.66	0.42	1.77	1.64	0.44	1.68	1.59	0.47
16	22	2.14	1.73	0.11	2.05	1.69	0.13	1.95	1.65	0.21	1.92	1.64	0.42	1.86	1.62	0.44	1.77	1.58	0.47
18	25	2.23	1.85	0.11	2.14	1.81	0.13	2.05	1.78	0.21	2.01	1.76	0.42	1.95	1.74	0.44	1.86	1.70	0.47
19	27	2.28	1.98	0.11	2.19	1.95	0.13	2.09	1.91	0.21	2.06	1.90	0.42	2.00	1.88	0.44	1.91	1.84	0.47
22	30	2.42	1.92	0.11	2.32	1.89	0.13	2.23	1.86	0.21	2.19	1.85	0.42	2.14	1.83	0.44	2.05	1.80	0.47
24	32	2.51	1.88	0.11	2.42	1.86	0.13	2.32	1.83	0.21	2.29	1.82	0.43	2.23	1.80	0.44	2.14	1.77	0.48

Heating 220-240V 50Hz

AFR	10.4
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2	4											
	-15			-10			-5			0		
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1.19	0.32	1.43	0.34	1.67	0.35	2.25	0.46	2.59	0.49	2.81	0.51
20	1.12	0.33	1.36	0.35	1.60	0.36	2.16	0.47	2.50	0.50	2.73	0.52
22	1.09	0.34	1.33	0.35	1.57	0.36	2.13	0.48	2.47	0.50	2.69	0.52
24	1.06	0.34	1.30	0.35	1.54	0.37	2.09	0.48	2.43	0.51	2.66	0.53
25	1.04	0.34	1.28	0.35	1.52	0.37	2.07	0.49	2.41	0.51	2.64	0.53
27	1.01	0.35	1.25	0.36	1.49	0.37	2.04	0.49	2.38	0.52	2.61	0.54

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

- Indoor air temperature [°C DB]
- Indoor air temperature [°C WB]
- Outdoor air temperature [°C DB]
- Outdoor air temperature [°C WB]

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
- The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

3D099850A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM25M2V1B + RXM25M2V1B

		AFR		11.1															
		BF		0.24															
Cooling 220-240V 50Hz																			
1	2	3																	
		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	20	2.28	1.82	0.09	2.28	1.82	0.11	2.28	1.82	0.25	2.28	1.82	0.53	2.21	1.79	0.55	2.10	1.73	0.60
16	22	2.68	1.92	0.10	2.56	1.87	0.12	2.44	1.82	0.25	2.40	1.80	0.53	2.33	1.76	0.56	2.21	1.71	0.60
18	25	2.79	2.02	0.10	2.68	1.97	0.12	2.56	1.92	0.26	2.51	1.90	0.53	2.44	1.88	0.56	2.33	1.83	0.60
19	27	2.85	2.14	0.10	2.73	2.09	0.12	2.62	2.05	0.26	2.57	2.03	0.53	2.50	2.00	0.56	2.38	1.95	0.60
22	30	3.02	2.07	0.10	2.91	2.03	0.12	2.79	1.98	0.26	2.74	1.97	0.54	2.67	1.94	0.56	2.56	1.90	0.61
24	32	3.14	2.02	0.10	3.02	1.98	0.12	2.90	1.94	0.26	2.86	1.92	0.54	2.79	1.90	0.57	2.67	1.87	0.61

Heating 220-240V 50Hz														AFR		10.4						
2	4																					
	-15				-10				-5				0				6				10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
15	1.33	0.36	1.60	0.38	1.87	0.40	2.52	0.52	2.90	0.55	3.15	0.57										
20	1.25	0.37	1.52	0.39	1.79	0.41	2.42	0.53	2.80	0.56	3.05	0.58										
22	1.22	0.37	1.49	0.40	1.76	0.42	2.38	0.53	2.76	0.57	3.01	0.59										
24	1.19	0.38	1.45	0.40	1.72	0.42	2.34	0.54	2.72	0.57	2.98	0.59										
25	1.17	0.38	1.44	0.40	1.71	0.42	2.32	0.54	2.70	0.57	2.96	0.59										
27	1.14	0.39	1.41	0.41	1.67	0.42	2.29	0.55	2.66	0.58	2.92	0.60										

- Symbols
- TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor
- 1 Indoor air temperature [°C DB]
2 Indoor air temperature [°C WB]
3 Outdoor air temperature [°C DB]
4 Outdoor air temperature [°C WB]

- Notes
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
 - The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

3D099851A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM35M2V1B + RXM35M2V1B

Cooling 220-240V 50Hz

AFR	12,6
BF	0,12

1	2	3																	
		20						25						30					
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,47	2,86	0,10	3,30	2,59	0,17	3,15	2,52	0,38	3,10	2,50	0,75	3,01	2,45	0,79	2,85	2,37	0,85
16	22	3,64	2,63	0,09	3,40	2,57	0,16	3,22	2,49	0,38	3,26	2,46	0,76	3,17	2,42	0,79	3,01	2,35	0,86
18	25	3,80	2,77	0,09	3,54	2,70	0,16	3,48	2,64	0,38	3,42	2,61	0,76	3,32	2,57	0,80	3,17	2,51	0,86
19	27	3,88	2,93	0,09	3,72	2,88	0,16	3,56	2,81	0,38	3,50	2,78	0,76	3,40	2,74	0,80	3,24	2,68	0,86
22	30	4,11	2,84	0,10	3,95	2,78	0,16	3,79	2,72	0,38	3,73	2,70	0,77	3,63	2,67	0,81	3,48	2,61	0,87
24	32	4,26	2,77	0,10	4,11	2,71	0,17	3,95	2,66	0,39	3,89	2,64	0,77	3,79	2,61	0,81	3,63	2,57	0,87

Heating 220-240V 50Hz

AFR	10,4
-----	------

2	4											
	-15				-10				-5			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,90	0,64	2,29	0,67	2,67	0,71	3,60	0,92	4,14	0,97	4,50	1,00
20	1,79	0,66	2,17	0,68	2,56	0,72	3,46	0,94	4,00	0,99	4,36	1,03
22	1,74	0,66	2,12	0,70	2,51	0,73	3,40	0,95	3,94	1,00	4,31	1,04
24	1,69	0,67	2,08	0,71	2,46	0,73	3,35	0,95	3,89	1,01	4,25	1,04
25	1,67	0,67	2,05	0,71	2,44	0,74	3,32	0,97	3,86	1,01	4,21	1,05
27	1,62	0,68	2,01	0,71	2,39	0,74	3,26	0,97	3,81	1,03	4,17	1,05

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

- Indoor air temperature [°C DB]
- Indoor air temperature [°C WB]
- Outdoor air temperature [°C DB]
- Outdoor air temperature [°C WB]

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
- The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM42M2V1B + RXM42MV1B

AFR	11,2
BF	0,15

Cooling 220-240V 50Hz

1	2	3																	
		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	20	3,13	2,50	0,15	3,13	2,50	0,21	3,13	2,50	0,52	3,13	2,50	1,05	3,13	2,50	1,11	3,13	2,50	1,19
16	22	4,19	2,89	0,13	4,19	2,89	0,22	4,11	2,85	0,52	4,03	2,81	1,06	3,91	2,75	1,11	3,71	2,66	1,20
18	25	4,69	3,16	0,14	4,49	3,07	0,22	4,30	2,98	0,53	4,22	2,95	1,07	4,10	2,90	1,12	3,91	2,81	1,20
19	27	4,79	3,32	0,14	4,59	3,23	0,22	4,40	3,15	0,53	4,32	3,11	1,07	4,20	3,06	1,12	4,00	2,98	1,21
22	30	5,08	3,19	0,14	4,88	3,12	0,22	4,69	3,04	0,53	4,61	3,01	1,08	4,49	2,97	1,13	4,29	2,90	1,22
24	32	5,27	3,10	0,14	5,07	3,03	0,22	4,88	2,97	0,54	4,80	2,94	1,08	4,68	2,90	1,13	4,49	2,83	1,22

AFR	12,4
-----	------

Heating 220-240V 50Hz

2	4											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,57	0,84	3,09	0,89	3,61	0,93	4,85	1,22	5,59	1,28	6,07	1,32
20	2,41	0,87	2,93	0,91	3,45	0,95	4,67	1,25	5,40	1,31	5,89	1,35
22	2,35	0,88	2,87	0,92	3,39	0,96	4,59	1,26	5,33	1,32	5,81	1,36
24	2,29	0,89	2,80	0,93	3,32	0,97	4,52	1,27	5,25	1,33	5,74	1,38
25	2,25	0,89	2,77	0,93	3,29	0,98	4,48	1,27	5,21	1,34	5,65	1,38
27	2,19	0,90	2,71	0,94	3,23	0,99	4,41	1,29	5,14	1,35	5,23	1,35

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
- The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

- Indoor air temperature [°C DB]
- Indoor air temperature [°C WB]
- Outdoor air temperature [°C DB]
- Outdoor air temperature [°C WB]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM50M2V1B + RXM50MV1B

AFR	11,9
BF	0,13

Cooling 220-240V 50Hz

1	2	3																	
		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	20	3,41	2,72	0,15	3,41	2,72	0,24	3,41	2,72	0,61	3,41	2,72	1,28	3,41	2,72	1,34	3,41	2,72	1,44
16	22	4,56	3,14	0,16	4,56	3,14	0,25	4,56	3,14	0,62	4,56	3,14	1,29	4,56	3,14	1,35	4,42	3,07	1,44
18	25	5,58	3,66	0,16	5,35	3,55	0,26	5,12	3,45	0,63	5,02	3,40	1,29	4,88	3,34	1,36	4,65	3,24	1,45
19	27	5,70	3,83	0,17	5,47	3,72	0,26	5,23	3,62	0,63	5,14	3,58	1,30	5,00	3,52	1,36	4,77	3,42	1,45
22	30	6,04	3,68	0,17	5,81	3,59	0,26	5,58	3,50	0,64	5,49	3,46	1,30	5,35	3,40	1,37	5,11	3,32	1,46
24	32	6,27	3,57	0,17	6,04	3,49	0,26	5,81	3,40	0,64	5,72	3,37	1,30	5,58	3,32	1,38	5,34	3,24	1,47

Heating 220-240V 50Hz

AFR	13,3
-----	------

2	4											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,76	0,93	3,32	0,98	3,88	1,03	5,21	1,35	6,00	1,42	6,52	1,47
20	2,59	0,96	3,15	1,01	3,71	1,05	5,01	1,38	5,80	1,45	6,32	1,50
22	2,52	0,97	3,08	1,02	3,64	1,07	4,93	1,39	5,72	1,46	6,24	1,51
24	2,46	0,98	3,01	1,03	3,57	1,08	4,85	1,40	5,64	1,48	6,16	1,52
25	2,42	0,99	2,98	1,03	3,54	1,08	4,81	1,41	5,60	1,48	6,12	1,53
27	2,35	1,00	2,91	1,04	3,47	1,09	4,73	1,42	5,52	1,50	6,04	1,54

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
- The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

- Indoor air temperature [°C DB]
- Indoor air temperature [°C WB]
- Outdoor air temperature [°C DB]
- Outdoor air temperature [°C WB]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM60M2V1B + RXM60M2V1B

Cooling 220-240V 50Hz

1	2	3																	
		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	20	5.10	3.76	0.19	4.82	3.63	0.31	4.55	3.51	0.80	4.38	3.45	1.66	4.26	3.38	1.75	4.09	3.26	1.88
16	22	6.31	4.18	0.20	6.04	4.05	0.33	5.76	3.93	0.81	5.64	3.87	1.67	5.47	3.80	1.76	5.30	3.68	1.88
18	25	6.70	4.39	0.20	6.42	4.26	0.34	6.14	4.14	0.82	6.02	4.08	1.67	5.86	4.00	1.77	5.58	3.88	1.89
19	27	6.84	4.59	0.22	6.56	4.46	0.34	6.28	4.34	0.82	6.17	4.29	1.69	6.00	4.22	1.77	5.72	4.10	1.89
22	30	7.25	4.41	0.22	6.97	4.30	0.34	6.70	4.20	0.83	6.59	4.15	1.70	6.42	4.08	1.78	6.13	3.98	1.90
24	32	7.52	4.28	0.22	7.25	4.18	0.34	6.97	4.08	0.83	6.86	4.04	1.70	6.70	3.98	1.79	6.41	3.88	1.92

Heating 220-240V 50Hz

2	4											
	-15			-10			-5			0		
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3.33	1.24	4.01	1.31	4.68	1.38	6.29	1.81	7.24	1.90	7.87	1.97
20	3.13	1.29	3.80	1.35	4.48	1.41	6.05	1.85	7.00	1.94	7.63	2.01
22	3.04	1.30	3.72	1.37	4.39	1.43	5.95	1.86	6.90	1.95	7.53	2.02
24	2.97	1.31	3.63	1.38	4.31	1.45	5.85	1.87	6.81	1.98	7.43	2.03
25	2.92	1.33	3.60	1.38	4.27	1.45	5.80	1.89	6.76	1.98	7.39	2.05
27	2.84	1.34	3.51	1.39	4.19	1.46	5.71	1.90	6.66	2.01	7.29	2.06

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

- Indoor air temperature [°C DB]
- Indoor air temperature [°C WB]
- Outdoor air temperature [°C DB]
- Outdoor air temperature [°C WB]

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
- The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM71M2V1B + RXM71M2V1B

Cooling 220-240V 50Hz

		AFR		17,6	
		BF		0,14	

1	2	3																	
		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	20	6,21	4,59	1,50	6,21	4,59	1,70	6,21	4,59	1,89	6,21	4,59	1,97	6,21	4,59	2,09	5,95	4,46	2,25
16	22	7,60	5,05	1,64	7,27	4,88	1,79	6,94	4,72	1,95	6,81	4,66	2,01	6,61	4,56	2,10	6,28	4,41	2,26
18	25	7,93	5,24	1,64	7,60	5,09	1,80	7,27	4,94	1,96	7,13	4,88	2,02	6,94	4,79	2,11	6,61	4,46	2,27
19	27	8,09	5,49	1,65	7,76	5,34	1,81	7,43	5,20	1,96	7,30	5,14	2,03	7,10	5,05	2,12	6,77	4,51	2,28
22	30	8,58	5,28	1,66	8,25	5,15	1,82	7,92	5,02	1,98	7,79	4,97	2,04	7,59	4,90	2,13	7,26	4,57	2,29
24	32	8,91	5,13	1,67	8,58	5,01	1,83	8,25	4,89	1,99	8,12	4,84	2,05	7,92	4,77	2,14	7,59	4,66	2,30

Heating 220-240V 50Hz

		AFR		18,4															
2		4																	
		-15			-10			-5			0			6			10		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
15		4,59	1,81	5,52	1,90	6,45	1,99	7,37	2,09	8,48	2,20	9,22	2,27						
20		4,31	1,86	5,24	1,95	6,16	2,04	7,09	2,14	8,20	2,25	8,94	2,32						
22		4,20	1,88	5,12	1,97	6,05	2,06	6,98	2,15	8,09	2,27	8,93	2,34						
24		4,08	1,90	5,01	1,99	5,94	2,08	6,86	2,18	7,97	2,29	8,71	2,36						
25		4,03	1,91	4,95	2,00	5,88	2,09	6,81	2,19	7,92	2,30	8,66	2,37						
27		3,91	1,93	4,84	2,02	5,77	2,11	6,69	2,21	7,80	2,32	8,54	2,39						

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

- Indoor air temperature [°C DB]
- Indoor air temperature [°C WB]
- Outdoor air temperature [°C DB]
- Outdoor air temperature [°C WB]

Notes

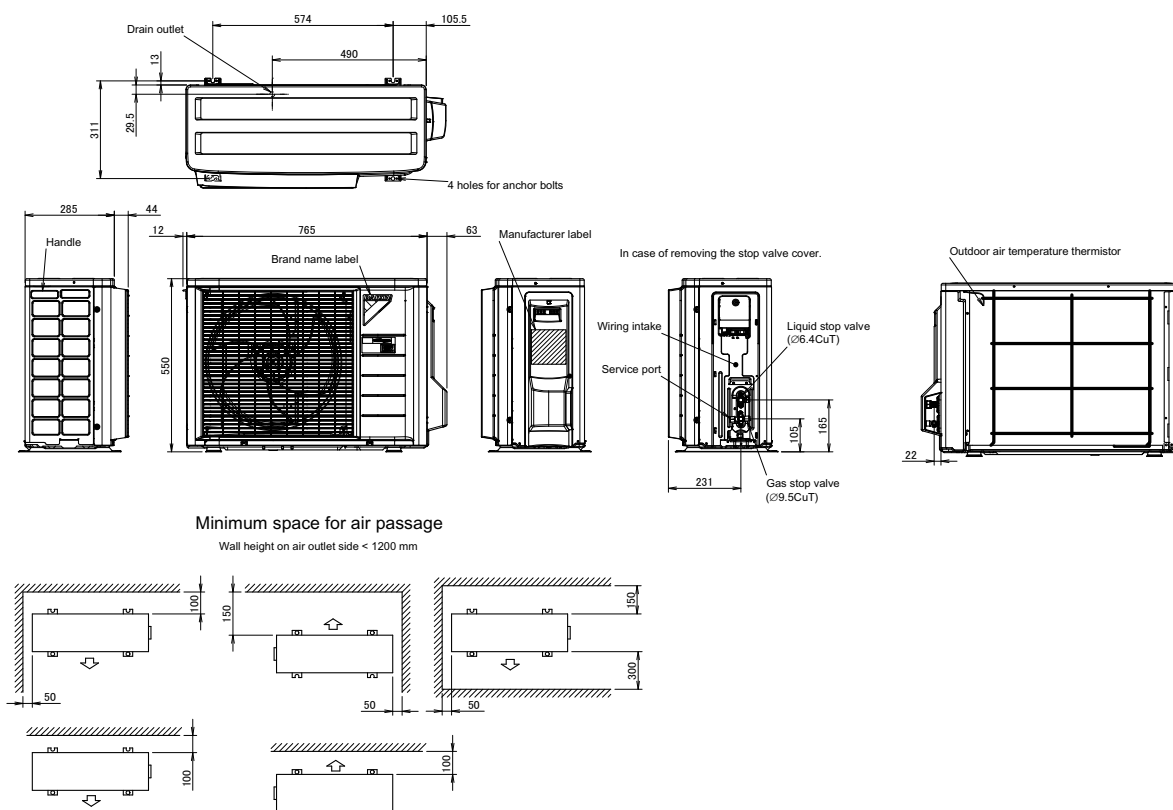
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
- The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

3D105003

5 Dimensional drawings

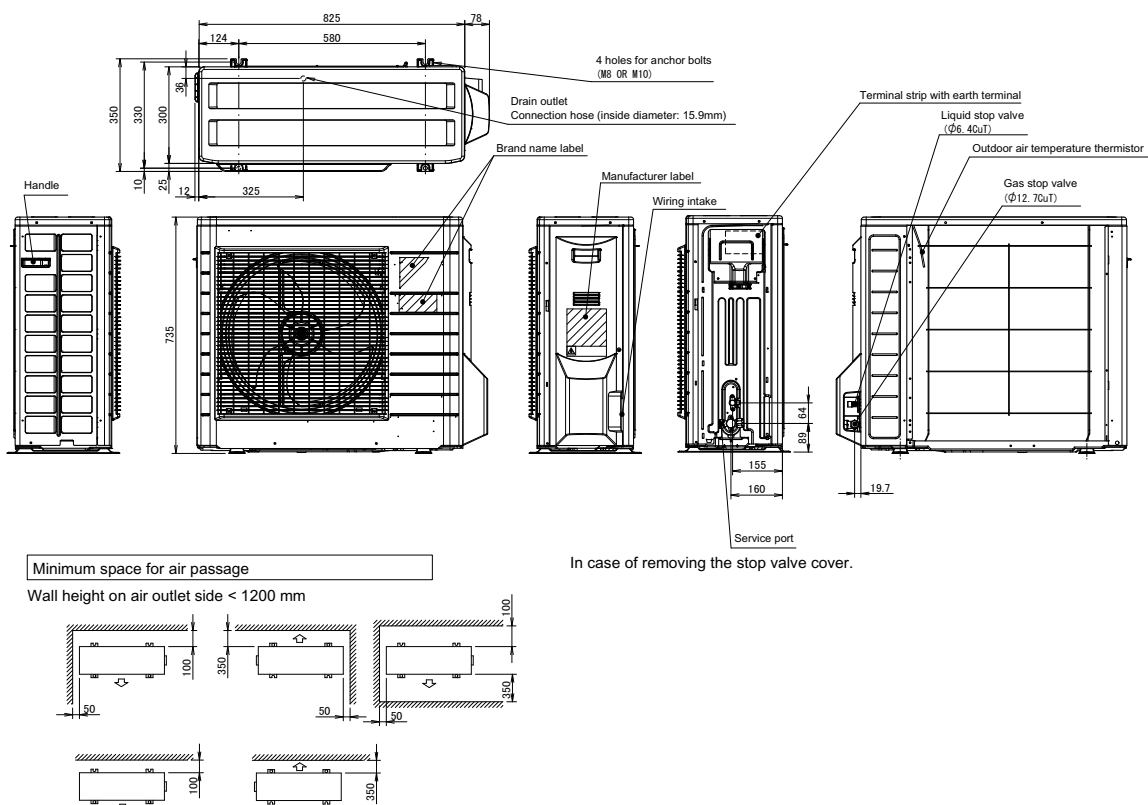
5 - 1 Dimensional Drawings

RXM20-35M



3D099636

RXM42-50M

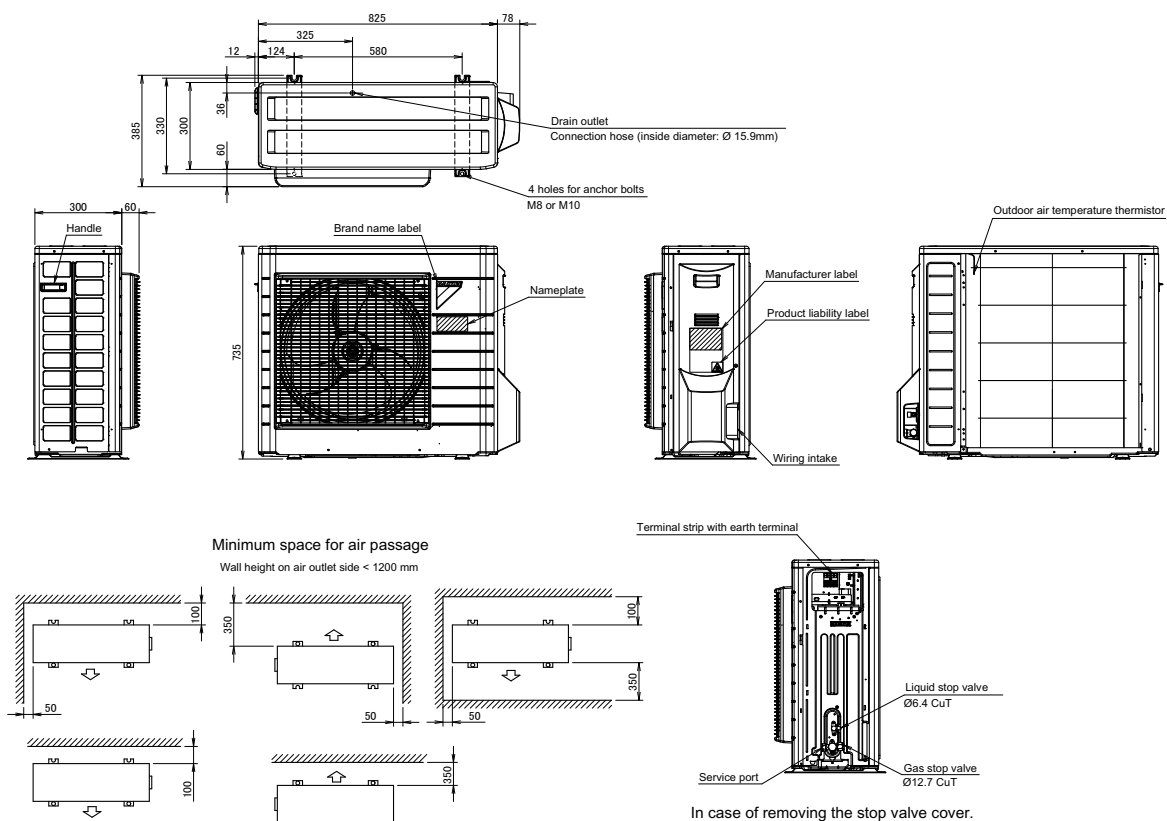


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5 Dimensional drawings

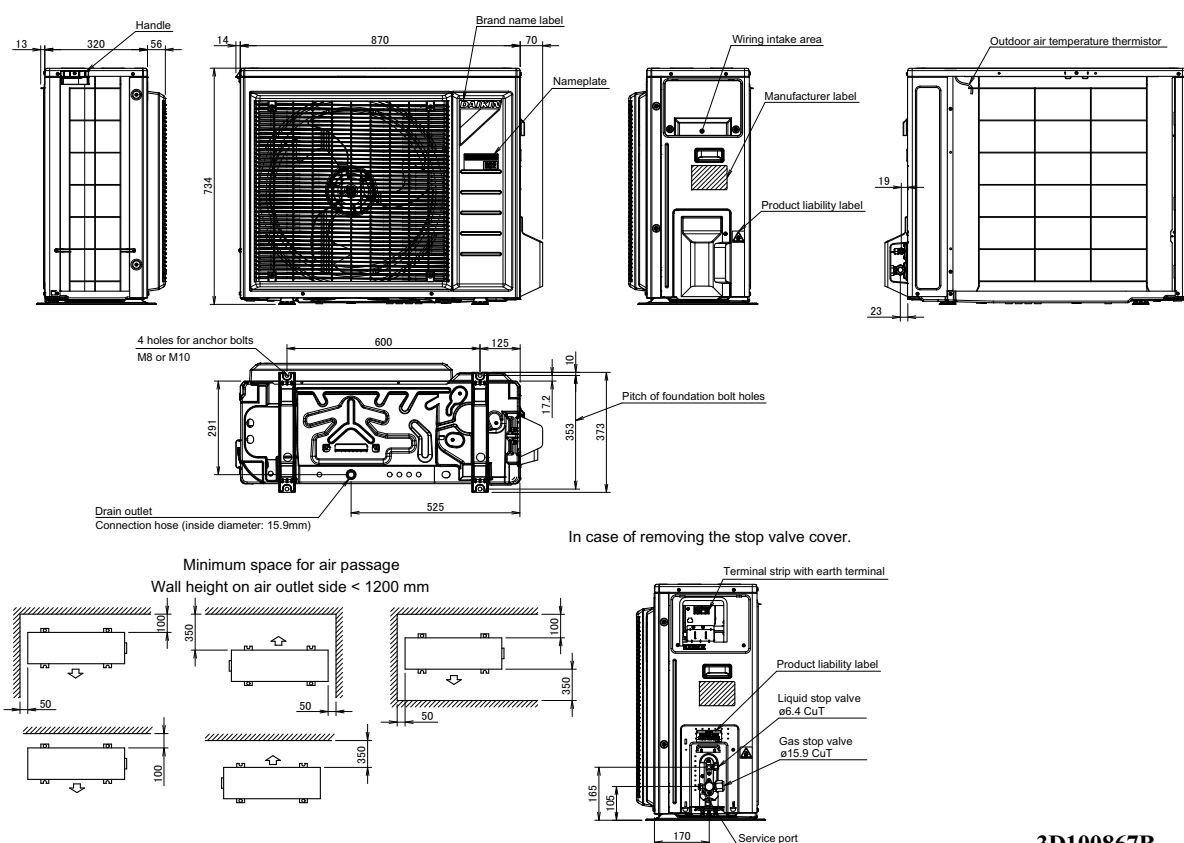
5 - 1 Dimensional Drawings

RXM60M



3D101541

RXM71M

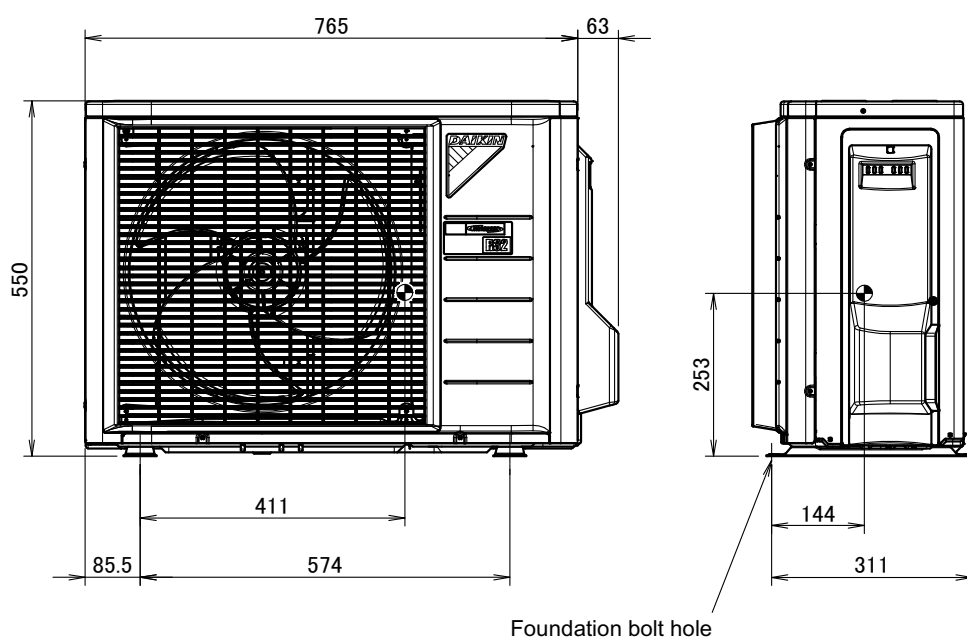


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6 Centre of gravity

6 - 1 Centre of Gravity

RXM20-35M

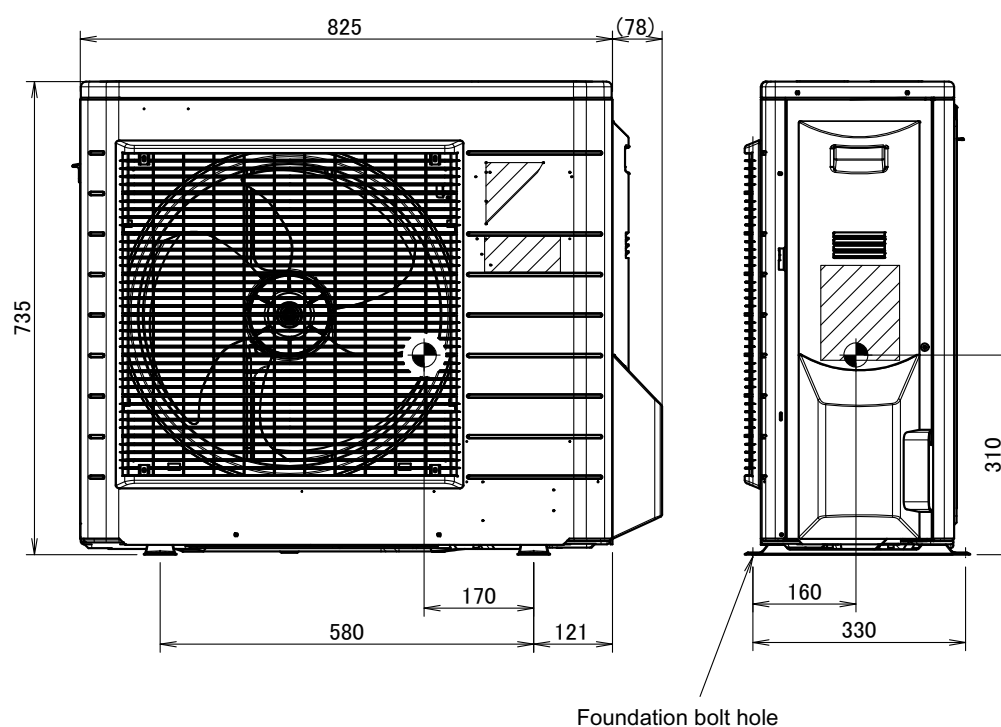


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6 Centre of gravity

6 - 1 Centre of Gravity

RXM42-50M

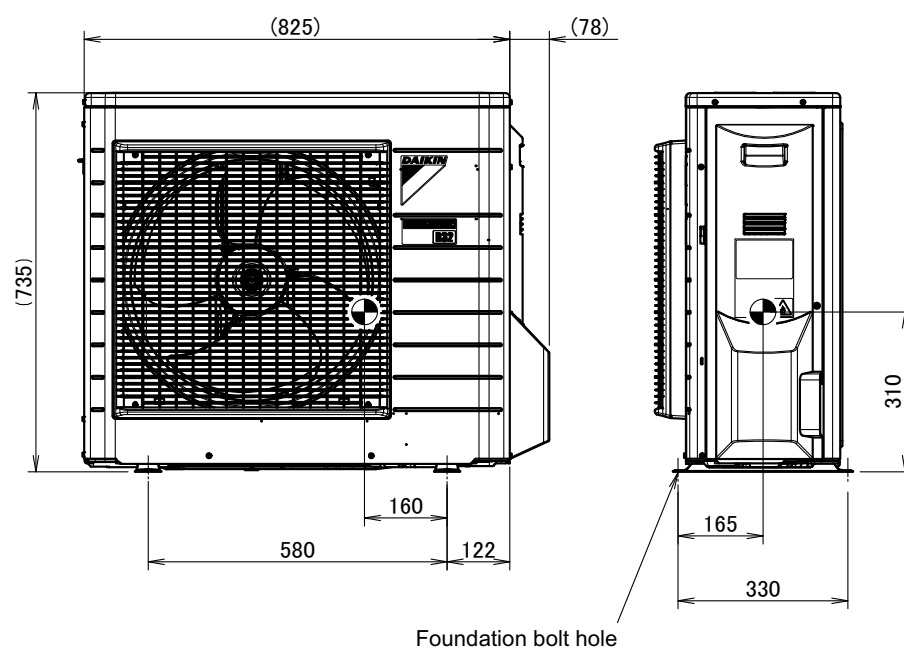


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6 Centre of gravity

6 - 1 Centre of Gravity

RXM60M

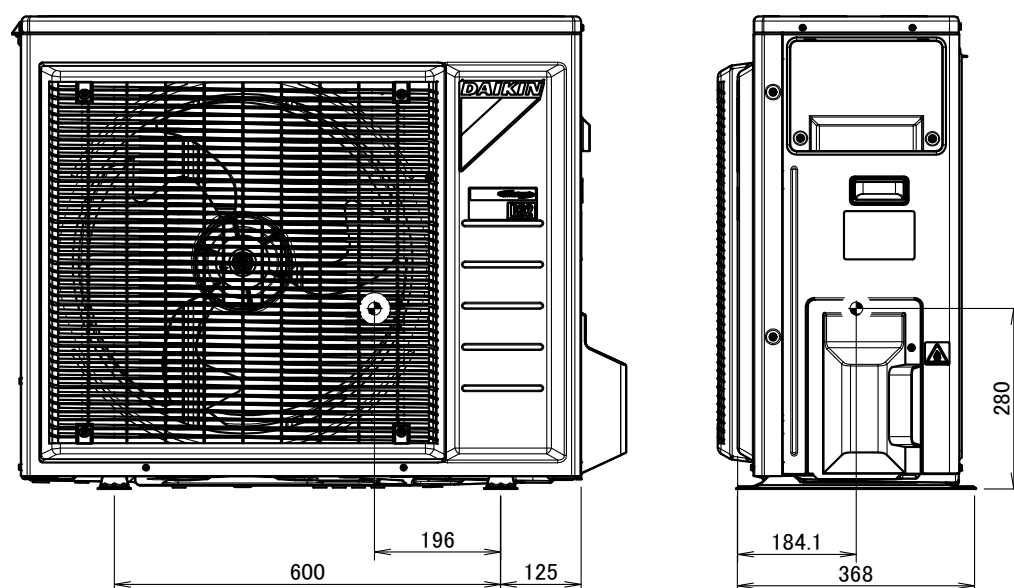


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6 Centre of gravity

6 - 1 Centre of Gravity

RXM71M

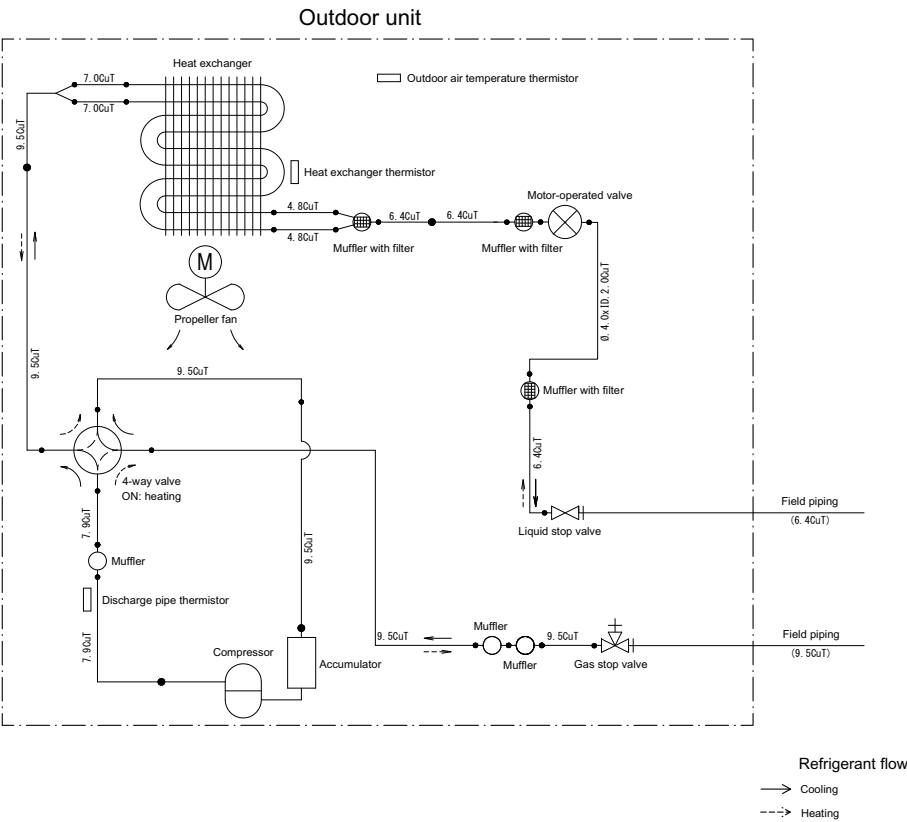


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7 Piping diagrams

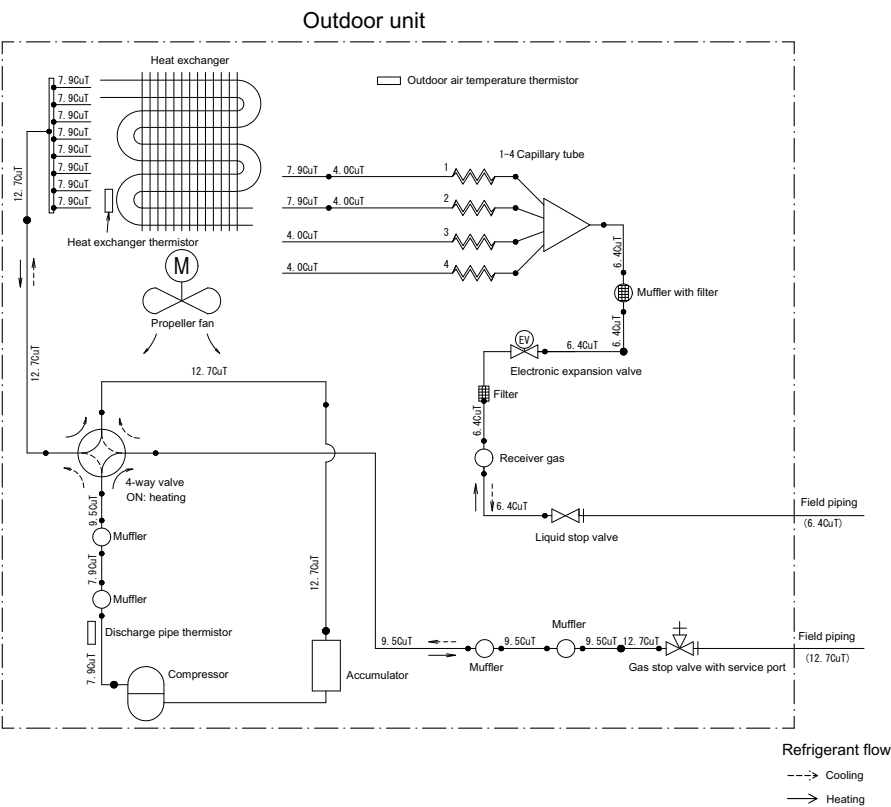
7 - 1 Piping Diagrams

RXM20-35M



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RXM42-50M

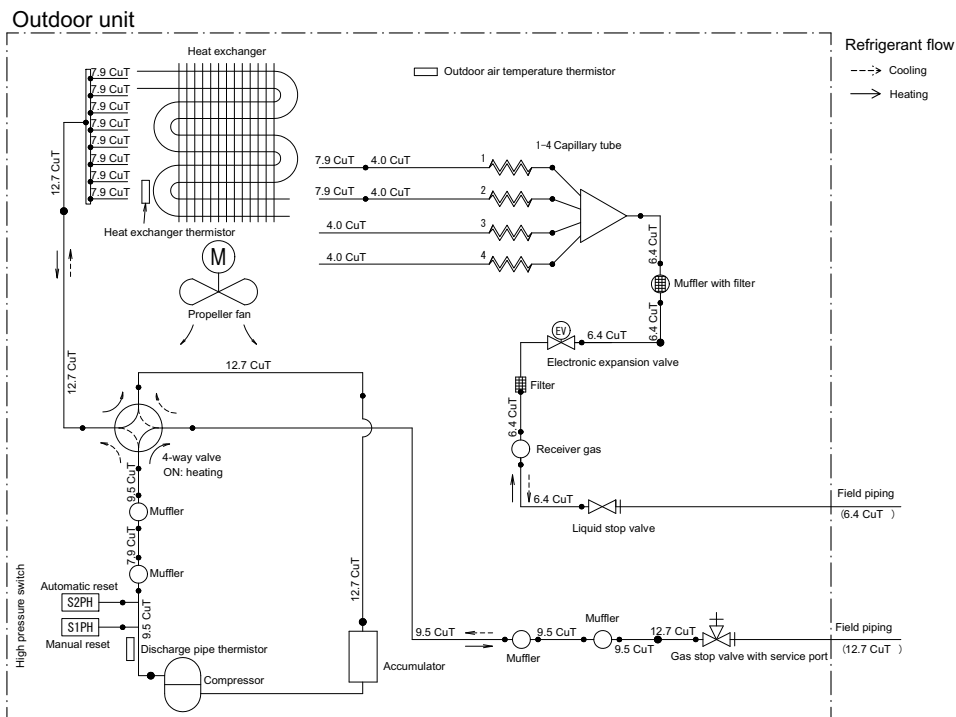


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7 Piping diagrams

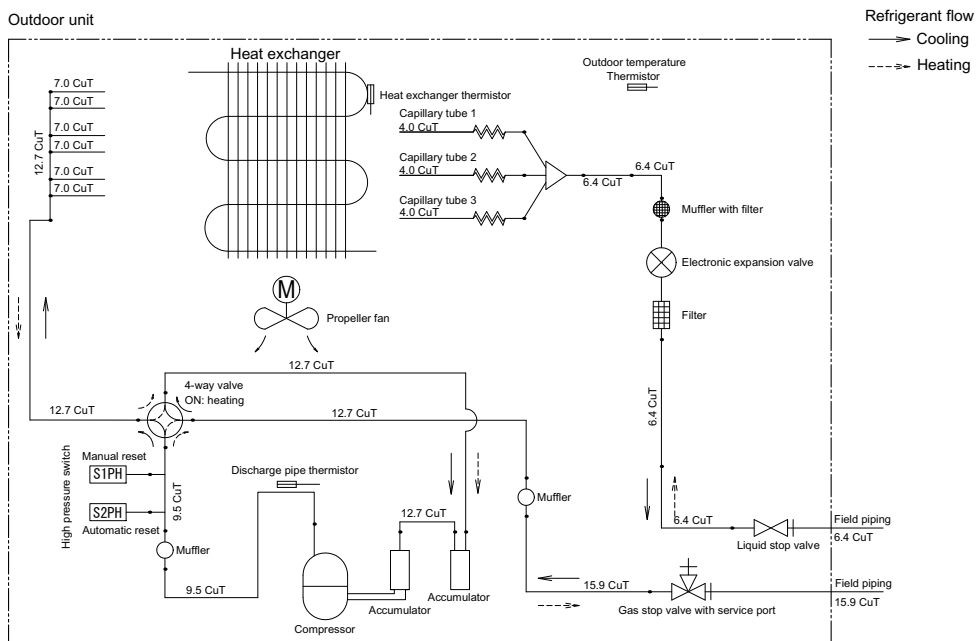
7 - 1 Piping Diagrams

RXM60M



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RXM71M

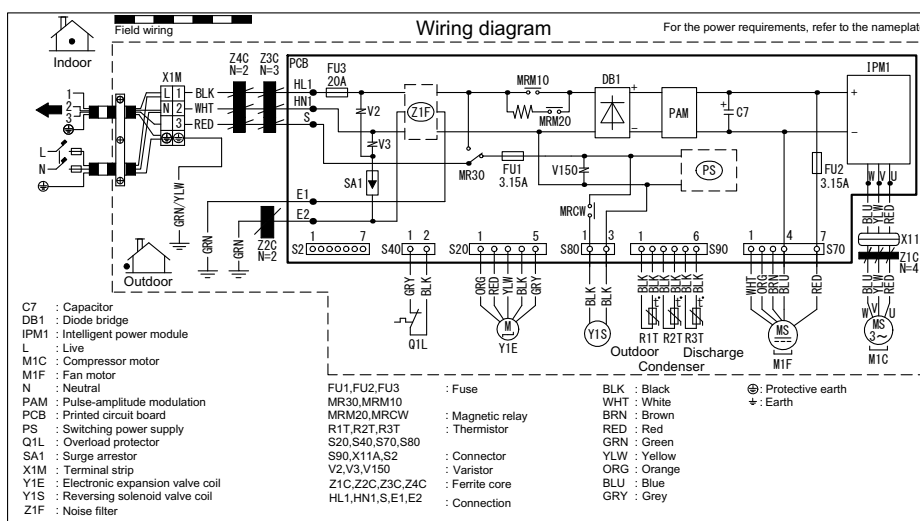


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8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM20-35M



Notes

Size: 140 x 80

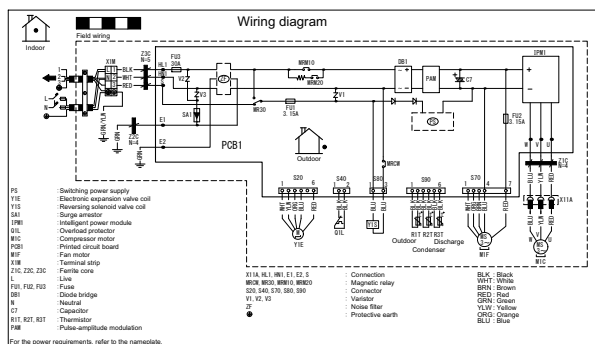
Refer to purchasing specification AS303002, unless otherwise specified.

4D099916B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM42-50M

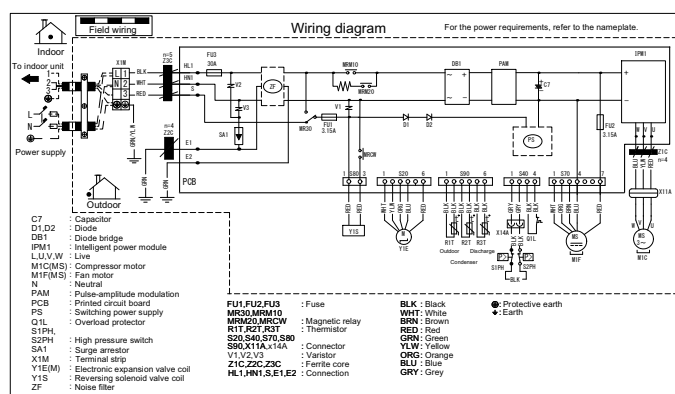


Notes

- Size: length 105 X width 185.
- Refer to purchasing specification AS303002, unless otherwise specified.

3D090522A

RXM60-71M



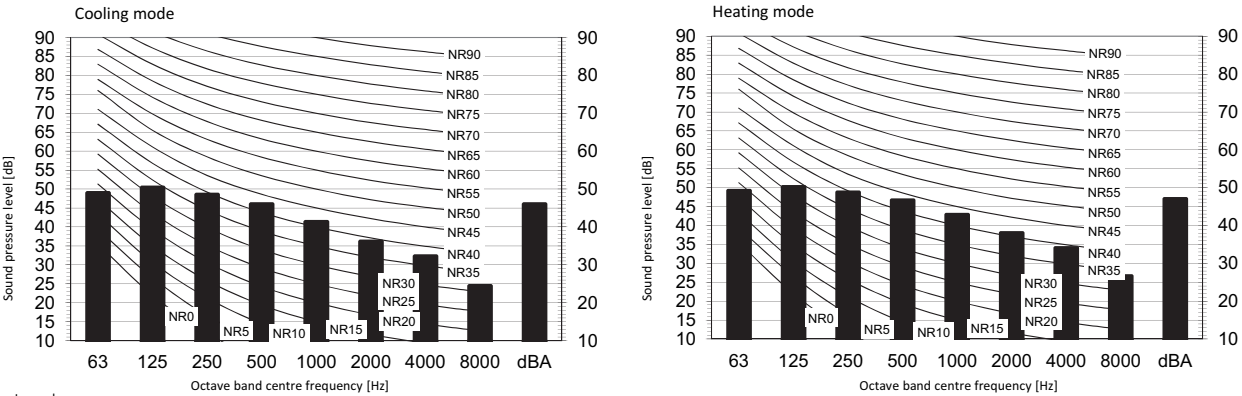
Notes

- Size: length 105 X width 185.
- Refer to purchasing specification AS(Y)303002, unless otherwise specified.

3D100894A

9 Sound data
9 - 1 Sound Pressure Spectrum

RXM20M

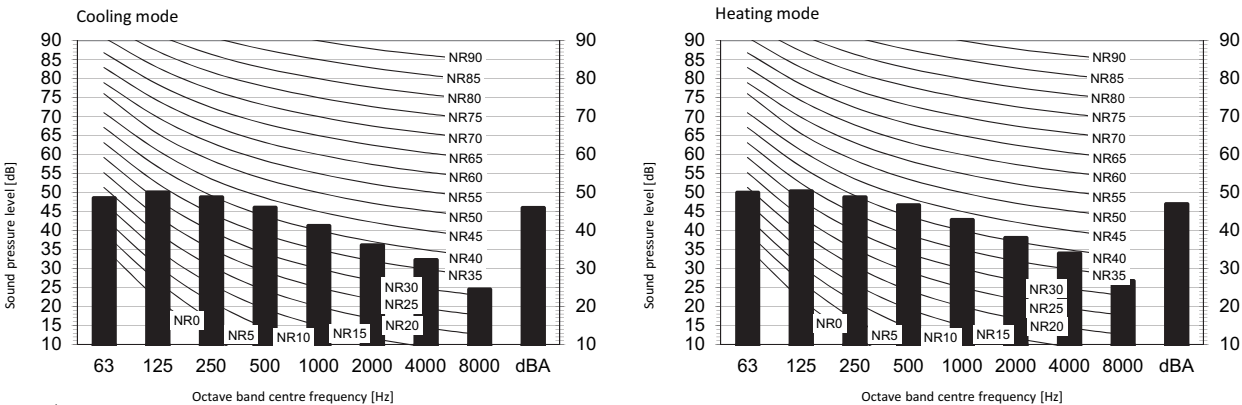


Notes

- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC9612.
- 5 Measuring location: anechoic chamber

3D099853

RXM25M



Notes

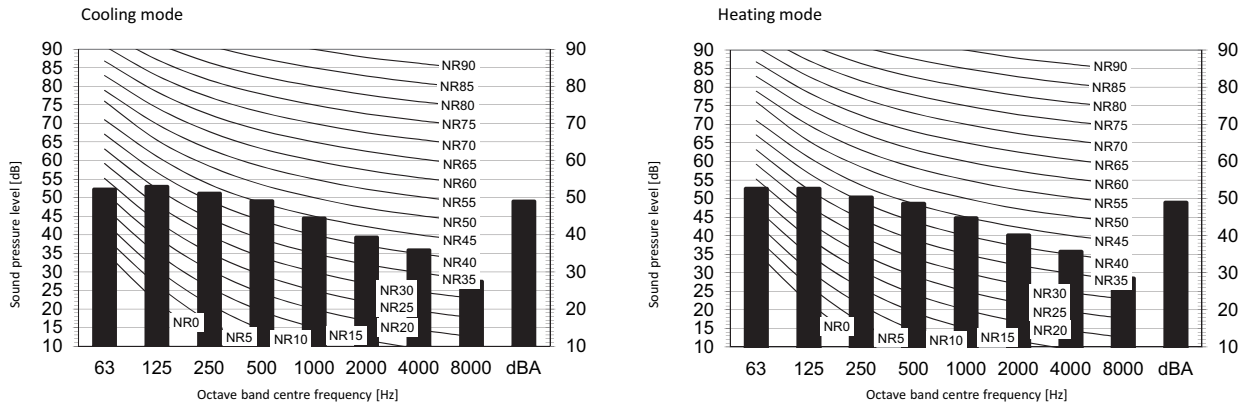
- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC9612.
- 5 Measuring location: anechoic chamber

3D099854A

9 Sound data

9 - 1 Sound Pressure Spectrum

RXM35M

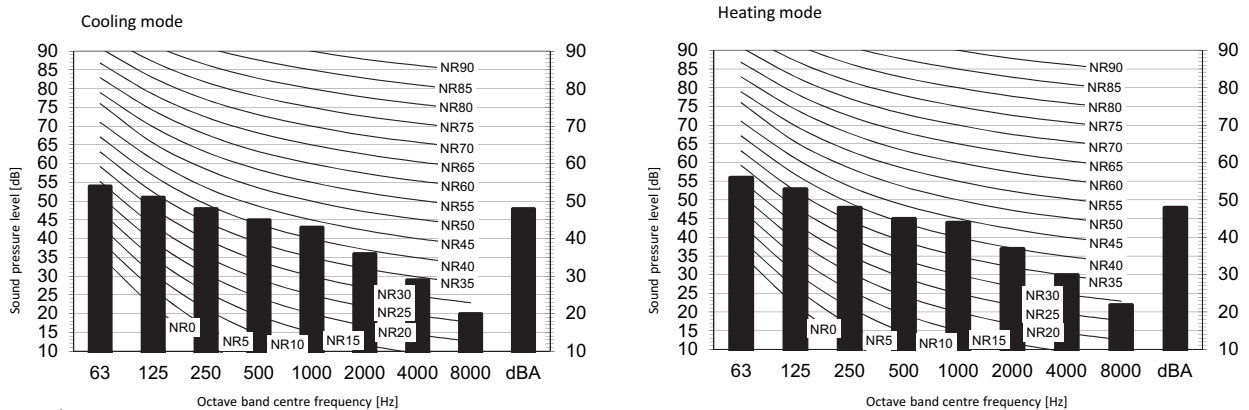


Notes

- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC9612.
- 5 Measuring location: anechoic chamber

3D099855A

RXM42M



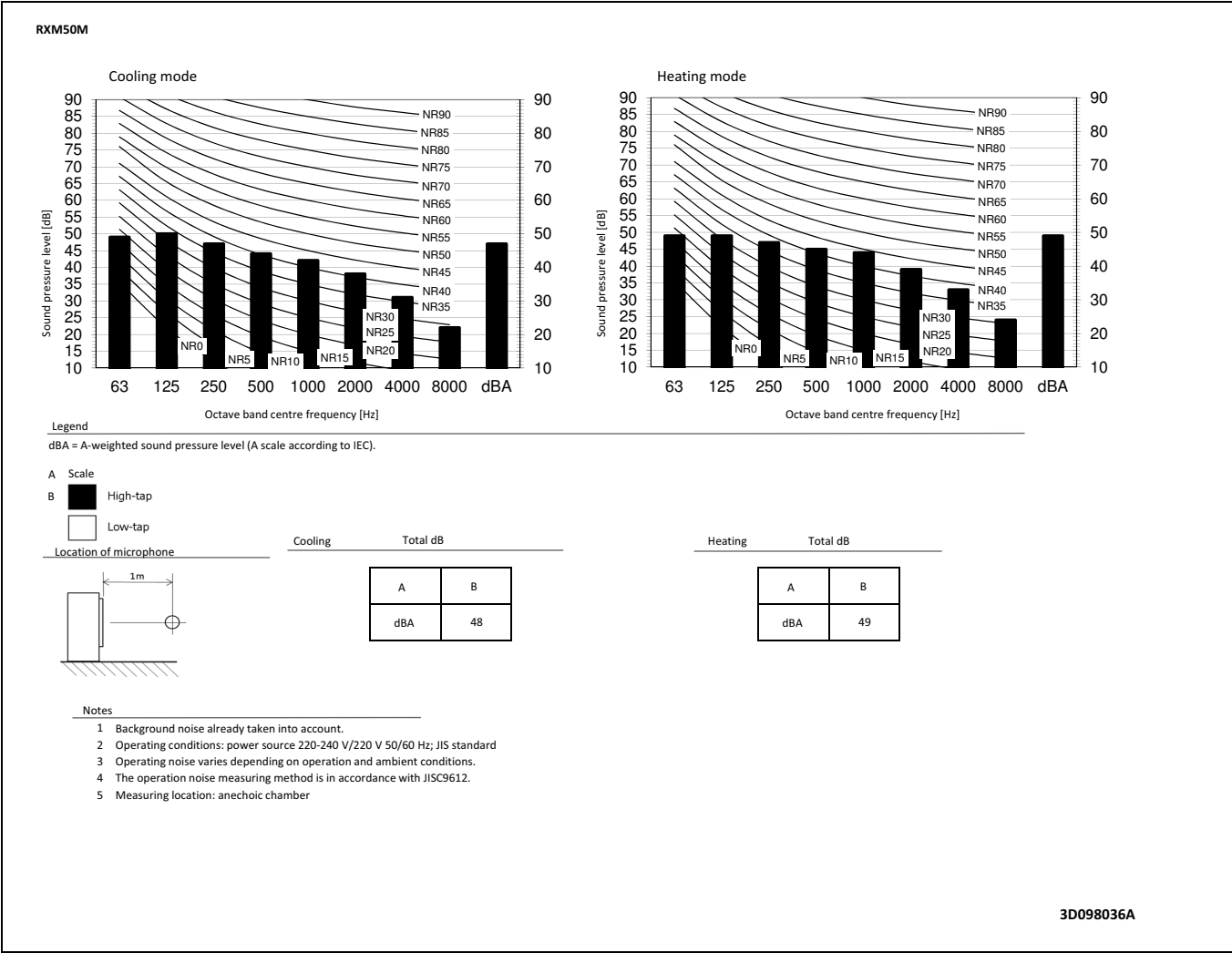
Notes

- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC9612.
- 5 Measuring location: anechoic chamber

3D098035A

9 Sound data

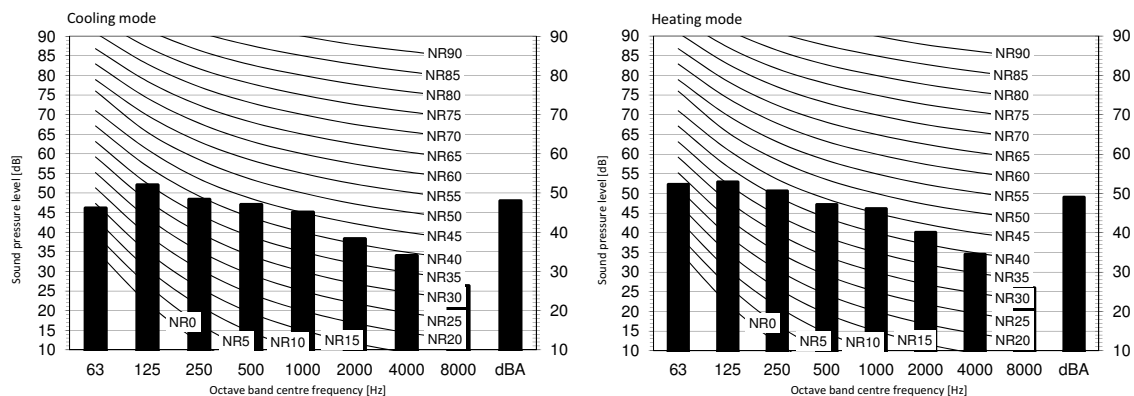
9 - 1 Sound Pressure Spectrum



9 Sound data

9 - 1 Sound Pressure Spectrum

RXM60M



Legend

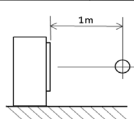
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

Low-tap

Location of microphone



Cooling

Total dB

A	B
dBA	48

Heating

Total dB

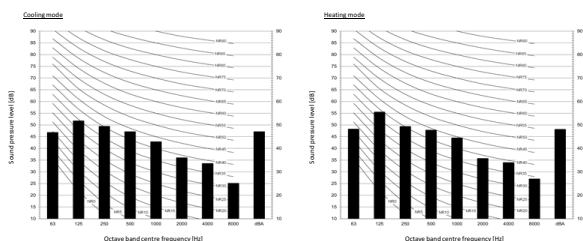
A	B
dBA	49

Notes

1. Background noise already taken into account.
2. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D102112

RXM71M



Cooling

Heating

Total dB

A	B
dBA	47

A	B
dBA	48

Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

Low-tap

Location of microphone



Notes

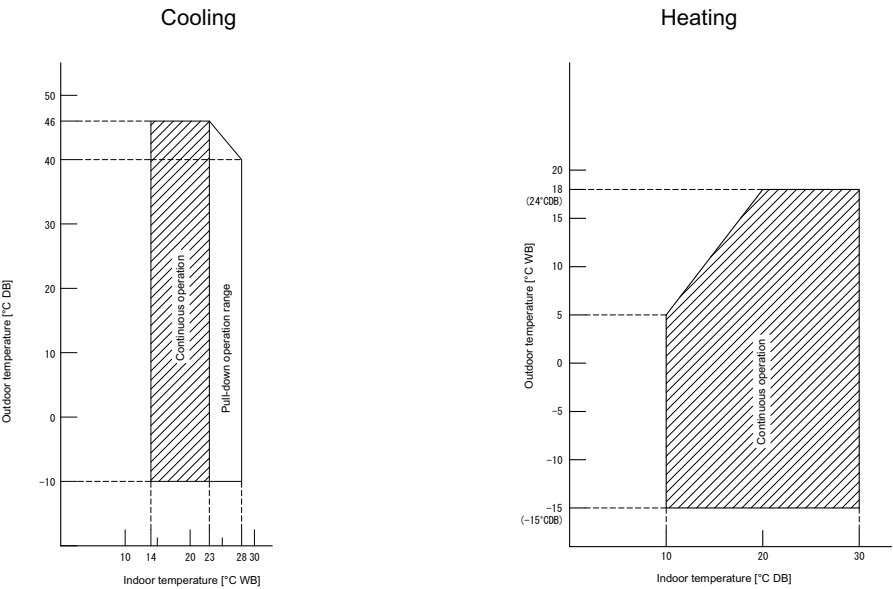
1. Background noise already taken into account.
2. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D105011

10 Operation range

10 - 1 Operation Range

RXM20-50M



Notes

1. The graph is based on the following conditions.

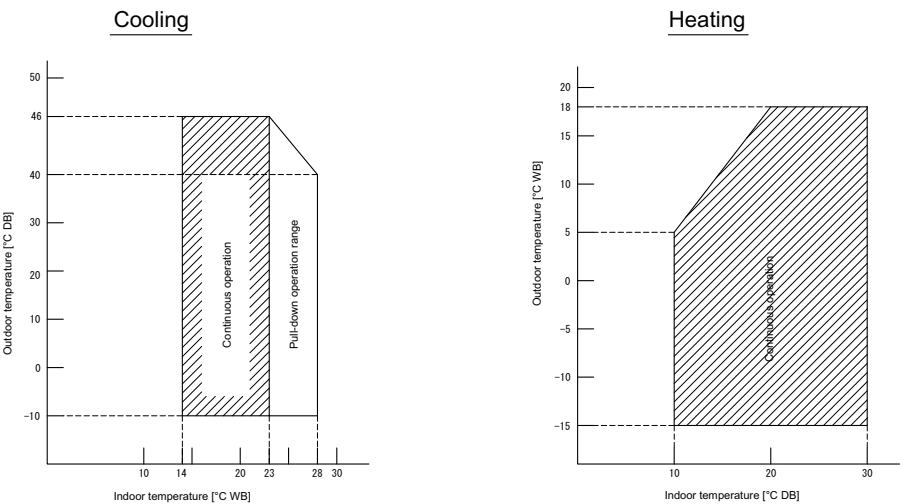
Corresponding refrigerant piping length: 5 m

Level difference: 0m

Air flow rate High

3D092127C

RXM60-71M



Notes

1. The graphs is based on the following conditions.

Corresponding refrigerant piping length: 5 m

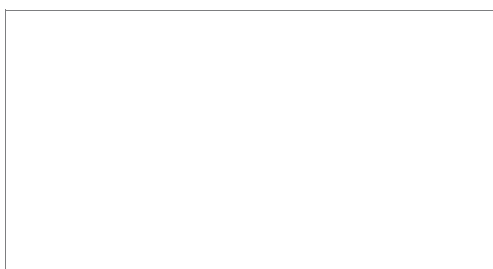
Level difference: 0m

Air flow rate High

2.

3D100846

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