

Air Conditioning
Technical Data

RXM-N



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RXM-N

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1 Features

- Seasonal efficiency values up to A+++
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its 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
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- Outdoor units for pair application
- Anti-corrosion treated outdoor heat exchanger fin



Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power input				FTXM71M/RXM71N
Indoor unit				FTXM71M2V1B
Outdoor unit				RXM71N2V1B
Cooling capacity	Min.		kW	2.30
			Btu/h	7,800
			kcal/h	2,000
	Nom.		kW	7.10
			Btu/h	24,200
			kcal/h	6,100
	Max.		kW	8.50
			Btu/h	29,000
			kcal/h	7,300
Heating capacity	Min.		kW	2.30
			Btu/h	7,800
			kcal/h	2,000
	Nom.		kW	8.20
			Btu/h	28,000
			kcal/h	7,000
	Max.		kW	10.20
			Btu/h	34,800
			kcal/h	8,800
Power input	Cooling	Min.	kW	0.49
		Nom.	kW	2.34
		Max.	kW	3.44
	Heating	Min.	kW	0.45
		Nom.	kW	2.57
		Max.	kW	3.51
Space cooling	Capacity	Pdesign	kW	7.10
	Energy efficiency class			A++
	SEER			6.11
	Annual energy consumption			kWh/a
	A Condition (35°C - 27/19)	Pdc	kW	7.10
		EERd		3.03
		Power input	kW	2.34
	B Condition (30°C - 27/19)	Pdc	kW	5.23
		EERd		4.83
		Power input	kW	1.08
	C Condition (25°C - 27/19)	Pdc	kW	3.36
		EERd		7.32
		Power input	kW	0.46
	D Condition (20°C - 27/19)	Pdc	kW	2.60
		EERd		9.32
		Power input	kW	0.28

2 Specifications

2-1 Capacity and Power input					FTXM71M/RXM71N				
Space heating (Average climate)	Capacity	Pdesign		kW	6.20				
	Energy efficiency class				A				
	SCOP/A				3.81				
	SCOPnet/A				3.84				
	Pdh Heating capacity at -10°			kW	5.01				
	Annual energy consumption			kWh/a	2,276				
	Required back up heating cap at design conditions			kW	1.19				
	TOL	Tol (temperature operating limit)	°C	-15					
				Pdh (declared heating cap)	kW	4.23			
						COPd (declared COP)		1.75	
						Power input		kW	
	TBivalent	Tbiv (bivalent temperature)	°C	-7					
				Pdh (declared heating cap)	kW	5.48			
						COPd (declared COP)		2.15	
						Power input		kW	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	5.48					
				COPd (declared COP)		2.15			
				Power input		kW		2.55	
	B Condition (2°C)	Pdh (declared heating cap)	kW	3.34					
				COPd (declared COP)		3.80			
				Power input		kW		0.88	
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.32					
				COPd (declared COP)		5.38			
				Power input		kW		0.43	
	D Condition (12°C)	Pdh (declared heating cap)	kW	2.66					
				COPd (declared COP)		6.48			
				Power input		kW		0.41	
	Current	Nominal running current (RLA) - 50Hz	Cooling	A	10.27				
			Heating	A	11.26				
	Cooling	Cdc (Degradation cooling)				0.25			
Heating	Cdh (Degradation heating)				0.25				
Cooling function included					Yes				
Heating function included					Yes				
Average climate included					Yes				
Cold season included					No				
Warm season included					Yes				
Ecolabel logo					No				
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	66				
	Sound power level indoor	Cooling	Nom.	dBA	62				
	Piping length	Cooling	Measuring condition	m	5.0				
Nominal efficiency	EER				3.03				
	COP				3.19				
	Annual energy consumption			kWh	1,170				
	Energy labeling Directive	Cooling			B				
		Heating			D				

2 Specifications

2-1 Capacity and Power input				FTXM71M/RXM71N	
Power consumption in other than active mode	Off mode	POFF	W	1.0	
	Standby mode	Cooling	PSB	1.0	
	Thermostat-off mode	PTO	Cooling	12	
			Heating	12	
Power factor	Nominal	Cooling	%	99.20	
		Heating	%	99.30	
Space heating (Warm climate)	Capacity	Pdesignh	kW	3.34	
	Energy efficiency class			A+++	
	SCOP			5.22	
	SCOPnet			5.27	
	Annual energy consumption		kWh/a	895	
	Required back up heating cap at design conditions		kW	0.00	
	TOL	Tol (temperature operating limit)		°C	
		PdH (declared heating cap)		kW	
		COPd (declared COP)		1.75	
		Power input		kW	
	TBivalent	Tbiv (bivalent temperature)		°C	
		PdH (declared heating cap)		kW	
		COPd (declared COP)		3.80	
		Power input		kW	
	B Condition (2°C)	PdH (declared heating cap)		kW	
		COPd (declared COP)		3.80	
		Power input		kW	
	C Condition (7°C)	PdH (declared heating cap)		kW	
		COPd (declared COP)		5.38	
		Power input		kW	
	D Condition (12°C)	PdH (declared heating cap)		kW	
		COPd (declared COP)		6.48	
		Power input		kW	

Notes

When normally running: +22°C / + 32°C

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

See separate drawing for electrical data

2-2 Capacity and Power input				FTXM71N/RXM71N	
Indoor unit				FTXM71N2V1B	
Outdoor unit				RXM71N2V1B	
Cooling capacity	Min.	kW		2.30	
		Btu/h		7,800	
		kcal/h		1,978	
	Nom.	kW		7.10	
		Btu/h		24,200	
		kcal/h		6,105	
	Max.	kW		8.50	
		Btu/h		29,000	
		kcal/h		7,309	

2 Specifications

2

2-2 Capacity and Power input				FTXM71N/RXM71N
Heating capacity	Min.		kW	2.30
			Btu/h	7,800
			kcal/h	2,000
	Nom.		kW	8.20
			Btu/h	28,000
			kcal/h	7,051
	Max.		kW	10.20
			Btu/h	34,800
			kcal/h	8,770
Power input	Cooling	Nom.	kW	2.34
	Heating	Nom.	kW	2.57
Space cooling	Capacity	Pdesign	kW	7.10
	Energy efficiency class			A++
	SEER			6.20
	Annual energy consumption		kWh/a	401
	A Condition (35°C - 27/19)	Pdc	kW	7.10
		EERd		3.03
		Power input	kW	2.34
	B Condition (30°C - 27/19)	Pdc	kW	5.23
		EERd		4.88
		Power input	kW	1.07
	C Condition (25°C - 27/19)	Pdc	kW	3.36
		EERd		7.39
		Power input	kW	0.45
	D Condition (20°C - 27/19)	Pdc	kW	2.60
		EERd		9.69
		Power input	kW	0.27

2 Specifications

2-2 Capacity and Power input					FTXM71N/RXM71N		
Space heating (Average climate)	Capacity	Pdesign		kW	6.20		
	Energy efficiency class				A+		
	SCOP/A				4.10		
	SCOPnet/A				4.14		
	Pdh Heating capacity at -10°			kW	5.01		
	Annual energy consumption			kWh/a	2,115		
	Required back up heating cap at design conditions			kW	1.19		
	TOL	Tol (temperature operating limit)	°C	-15			
			Pdh (declared heating cap)	kW	4.23		
			COPd (declared COP)			1.75	
			Power input	kW	2.42		
	TBivalent	Tbiv (bivalent temperature)	°C	-7			
			Pdh (declared heating cap)	kW	5.48		
			COPd (declared COP)			2.18	
			Power input	kW	2.52		
	A Condition (-7°C)	Pdh (declared heating cap)	kW	5.48			
			COPd (declared COP)			2.14	
			Power input	kW	2.56		
	B Condition (2°C)	Pdh (declared heating cap)	kW	3.34			
			COPd (declared COP)			4.18	
			Power input	kW	0.80		
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.32			
			COPd (declared COP)			5.80	
			Power input	kW	0.40		
	D Condition (12°C)	Pdh (declared heating cap)	kW	2.38			
			COPd (declared COP)			7.17	
			Power input	kW	0.33		
	Current	Nominal running current (RLA) - 50Hz	Cooling	A	10.27		
			Heating	A	11.26		
	Cooling	Cdc (Degradation cooling)				0.25	
	Heating	Cdh (Degradation heating)				0.25	
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Ecolabel logo					No		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	66		
	Sound power level indoor	Cooling	Nom.	dBA	62		
	Piping length	Cooling	Measuring condition	m	5.00		
Nominal efficiency	EER				3.03		
	COP				3.19		
	Annual energy consumption			kWh	1,172		
	Energy labeling Directive	Cooling			B		
		Heating			D		

2 Specifications

2-2 Capacity and Power input					FTXM71N/RXM71N
Power consumption in other than active mode	Crankcase heater mode	PCK	W		0
	Off mode	POFF	W		1
	Standby mode	Cooling	PSB	W	1
		Heating	PSB	W	1
	Thermostat-off mode	PTO	Cooling	W	12
			Heating	W	13
Power factor	Nominal	Cooling	%		99.20
		Heating	%		99.30
Space heating (Warm climate)	Capacity	Pdesignh	kW		3.34
	Energy efficiency class				A+++
	SCOP				5.74
	SCOPnet				5.81
	Annual energy consumption			kWh/a	814
	Required back up heating cap at design conditions			kW	0.00
	TOL	Tol (temperature operating limit)	°C		-15
		Pdh (declared heating cap)	kW		4.23
		COPd (declared COP)			1.75
		Power input	kW		2.42
	TBivalent	Tbiv (bivalent temperature)	°C		2
		Pdh (declared heating cap)	kW		3.34
		COPd (declared COP)			4.18
		Power input	kW		0.80
	B Condition (2°C)	Pdh (declared heating cap)	kW		3.34
		COPd (declared COP)			4.18
		Power input	kW		0.80
	C Condition (7°C)	Pdh (declared heating cap)	kW		2.32
		COPd (declared COP)			5.80
		Power input	kW		0.40
	D Condition (12°C)	Pdh (declared heating cap)	kW		2.38
		COPd (declared COP)			7.17
		Power input	kW		0.33

Notes

See separate drawing for operation range

See separate drawing for electrical data

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

2-3 Technical Specifications					RXM71N
Capacity control	Method				Variable (inverter)
Casing	Colour				Ivory white
Dimensions	Unit	Height	mm		734
		Width	mm		870
		Depth	mm		320
	Packed unit	Height	mm		820
		Width	mm		1,050
		Depth	mm		480
Weight	Unit			kg	56
	Packed unit			kg	60

2 Specifications

2-3 Technical Specifications					RXM71N
Packing	Weight	kg			4
Heat exchanger	Length	mm			920
	Rows	Quantity			2
	Fin pitch	mm			1.40
	Stages	Quantity			32
	Passes	Quantity			2.2
	Tube type	ø7 Hi-XD			
	Fin	Type			Waffle fin (PE)
Compressor	Model				2YC71DXD#C
	Oil Amount	cm ³			900
	Type				Hermetically sealed swing compressor
	Output	W			2,400
	Oil Type				FW68DA
Fan	Type				Propeller fan
	Air flow rate	Cooling	Nom.	m ³ /min	49.0
				cfm	1,730
		Heating	Nom.	m ³ /min	46.2
				cfm	1,632
Fan motor	Model				D90B-37
	Output	W			128
	Speed	Cooling	High	rpm	880
			Nom.	rpm	780
			Low	rpm	700
		Heating	High	rpm	740
			Nom.	rpm	740
			Low	rpm	680
Sound power level	Cooling	dBA			66
	Heating	dBA			67
Sound pressure level	Cooling	Nom. dBA			47
	Heating	Nom. dBA			48
Operation range	Cooling	Ambient	Min.	°CDB	-10
			Max.	°CDB	46
	Heating	Ambient	Min.	°CWB	-15
			Max.	°CWB	18
Refrigerant	Type				R-32
	Charge	kg			1.15
		TCO ₂ eq			0.78
	GWP				675.0
Piping connections	Liquid	OD	mm		6.4
	Gas	OD	mm		15.90
	Drain	OD	mm		18
	Piping length	OU - IU	Max.	m	30.0
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)
	Level difference	IU - OU	Max.	m	20.0
	Heat insulation				Both liquid and gas pipes

Standard Accessories : Drain plug; 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 (1); Quantity : 6;

Standard Accessories : Drain cap (2); Quantity : 3;

2-4 Electrical Specifications					RXM71N
Power supply	Phase				1~
	Frequency	Hz			50
	Voltage	V			220-240

2 Specifications

2-4 Electrical Specifications			RXM71N
Wiring connections	For power supply	Quantity	3
		Remark	Earth wire included
	For connection with indoor	Quantity	4
		Remark	Earth wire included

2

Notes

See separate drawing for operation range

See separate drawing for electrical data

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RXM71N

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	0,128	0,38	0,052	0,34
		50	230					7,2				
		50	240					6,9				
FTXM71M2V1B	RXM71N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	18,3	20	49,0	7,6	0,128	0,38	0,052	0,34
		50	230					7,2				
		50	240					6,9				
FTXM71N2V1B	RXM71N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	18,3	20	49,0	7,6	0,128	0,38	0,052	0,34
		50	230					7,2				
		50	240					6,9				

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	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]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM71N / RXM71N

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	1,66	6,21	4,59	1,88	6,21	4,59	2,09	6,21	4,59	2,18	6,21	4,59	2,31	5,95	4,46	2,49
16	22	7,60	5,05	1,81	7,27	4,88	1,98	6,94	4,72	2,15	6,81	4,66	2,22	6,61	4,66	2,32	6,28	4,41	2,50
18	25	7,93	5,24	1,81	7,60	5,09	1,99	7,27	4,94	2,16	7,13	4,88	2,23	6,94	4,79	2,33	6,61	4,64	2,51
19	27	8,09	5,49	1,82	7,76	5,34	2,00	7,43	5,20	2,16	7,30	5,14	2,24	7,10	5,05	2,34	6,77	4,91	2,52
22	30	8,58	5,28	1,83	8,25	5,15	2,01	7,92	5,02	2,18	7,79	4,97	2,25	7,59	4,89	2,35	7,26	4,77	2,53
24	32	8,91	5,13	1,84	8,58	5,01	2,13	8,25	4,89	2,19	8,12	4,84	2,26	7,92	4,77	2,36	7,59	4,66	2,54

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
15	4,59	1,77	5,52	1,85	6,45	1,92	7,37	2,00	8,48	2,53	9,22	2,60
20	4,31	1,81	5,24	1,88	6,16	1,95	7,09	2,07	8,20	2,57	8,94	2,64
22	4,20	1,83	5,12	1,90	6,05	1,98	6,98	2,08	8,09	2,60	8,83	2,67
24	4,08	1,84	5,01	1,92	5,94	1,99	6,86	2,11	7,97	2,61	8,71	2,68
25	4,03	1,85	4,95	1,93	5,88	2,01	6,81	2,12	7,92	2,63	8,66	2,70
27	3,91	1,86	4,84	1,94	5,77	2,01	6,69	2,14	7,80	2,64	8,54	2,71

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 WB]

2 Indoor air temperature [°C DB]

3 Outdoor air temperature [°C DB]

4 Outdoor air temperature [°C WB]

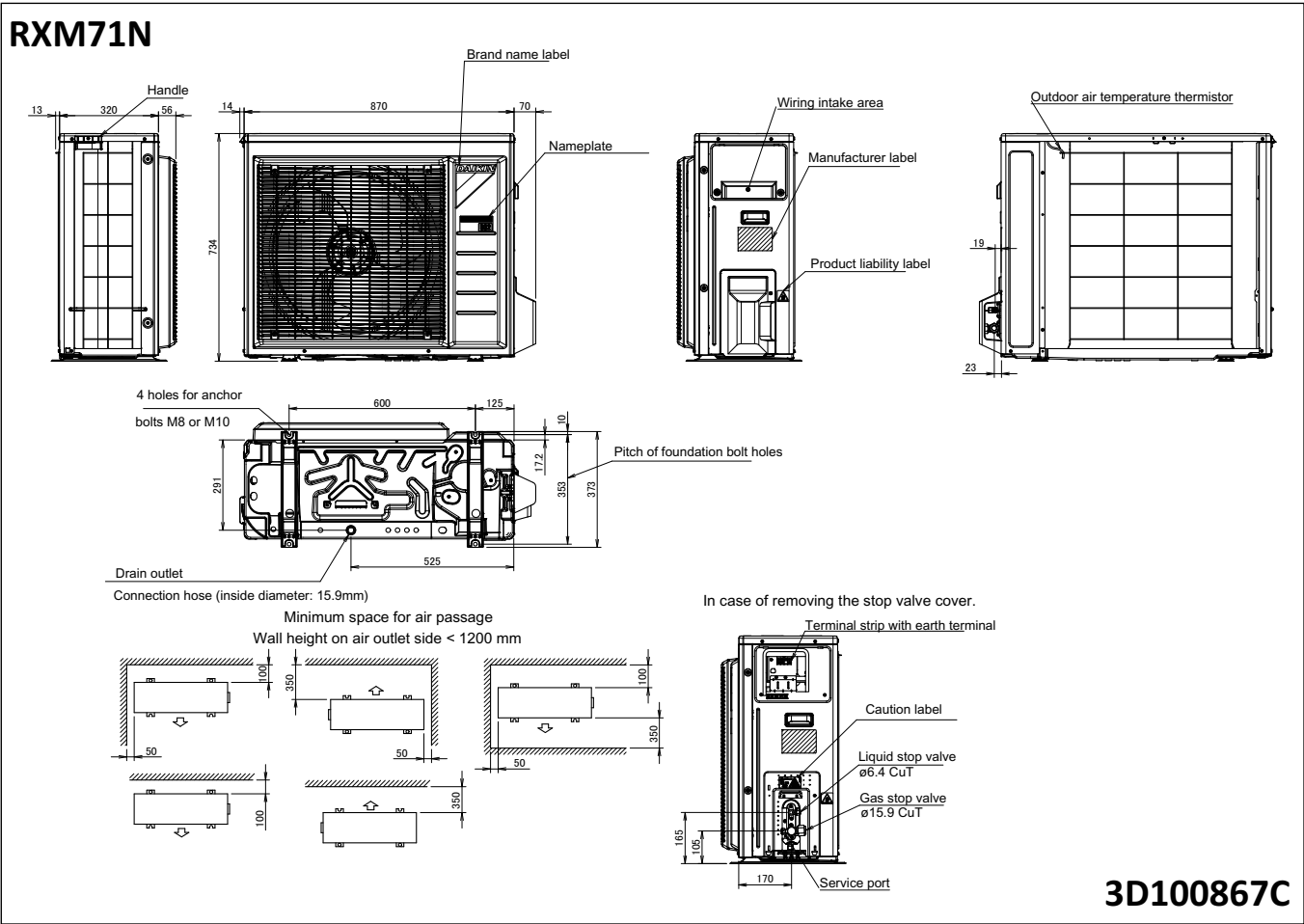
Notes

- 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]

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5 Dimensional drawings

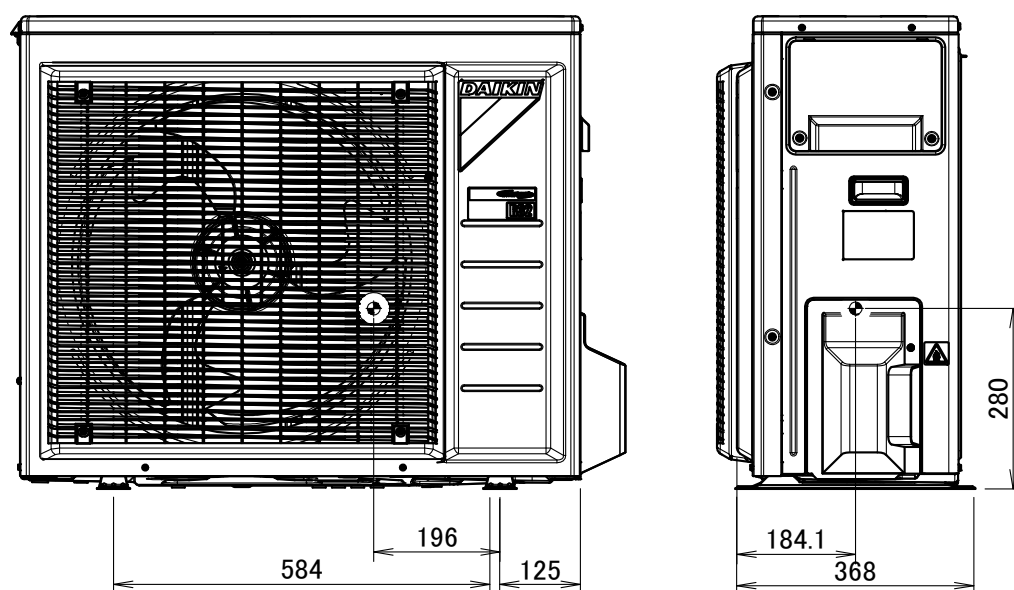
5 - 1 Dimensional Drawings



6 Centre of gravity

6 - 1 Centre of Gravity

RXM71N



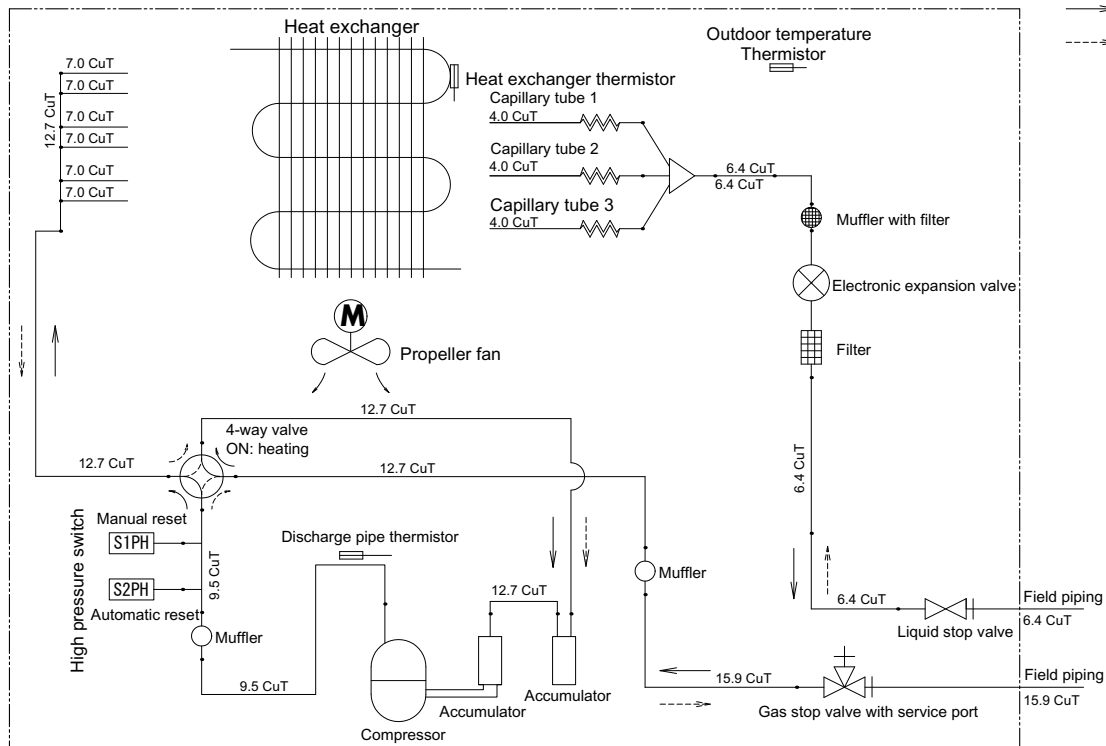
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7 Piping diagrams

7 - 1 Piping Diagrams

RXM71N

Outdoor unit

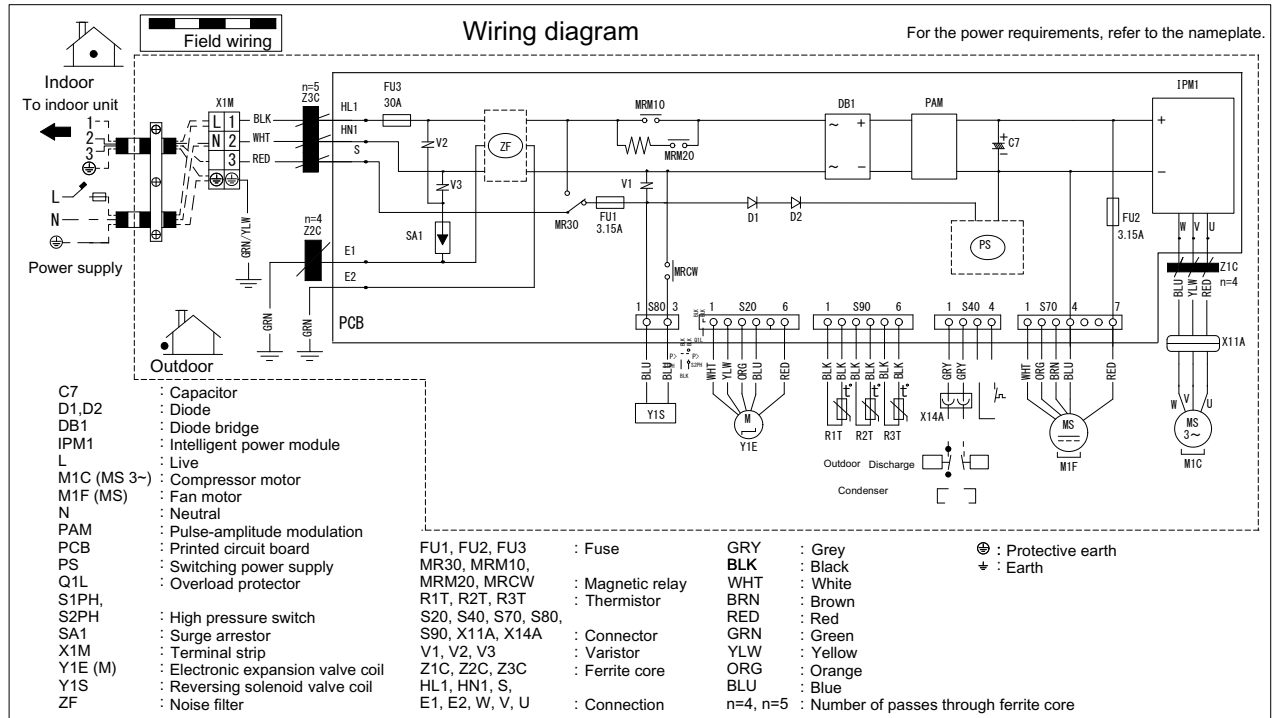


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8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM71N



Notes

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

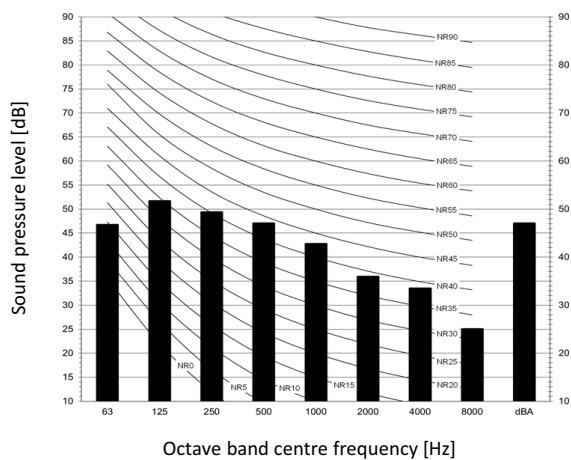
3D100894C

9 Sound data

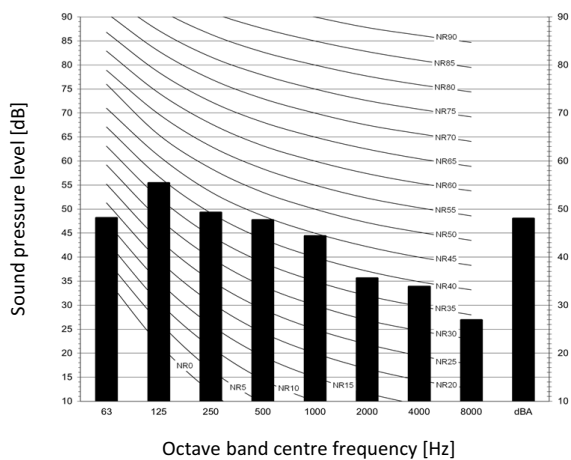
9 - 1 Sound Pressure Spectrum

RXM71N

Cooling mode



Heating mode



Cooling

Total dB

A	B
dBA	47

Heating

Total dB

A	B
dBA	48

Legend

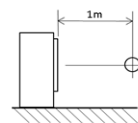
dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B ☒ Fan speed: High
☐ Fan speed: Low

Notes

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

Location of microphone



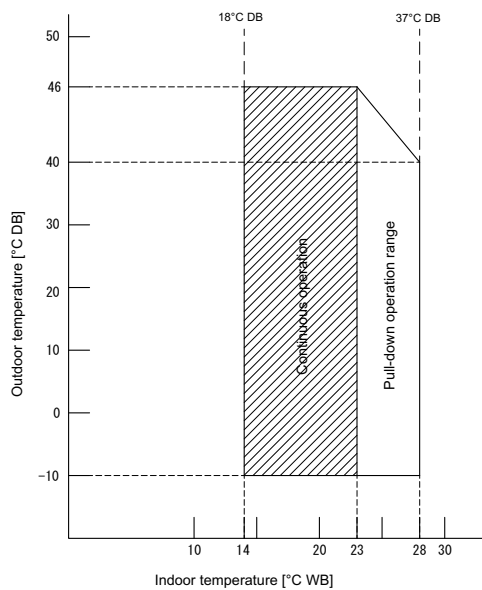
3D105011A

10 Operation range

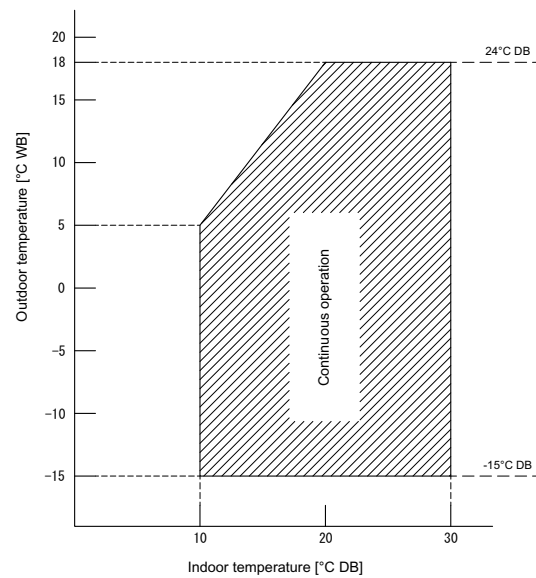
10 - 1 Operation Range

RXM71N

Cooling



Heating



Notes

- The graphs is based on the following conditions.
Corresponding refrigerant piping length: 5 m
Level difference: 0m
Air flow rate High

3D120207



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