

Air Conditioning Technical Data

RXJ-M



TABLE OF CONTENTS

RXJ-M

1	Features	2
2	Specifications	3
	Capacity and Power input	3
	Capacity and Power input	5
	Technical Specifications	7
	Electrical Specifications	8
3	Electrical data	9
4	Capacity tables	10
	Cooling/Heating Capacity Tables	10
5	Dimensional drawings	14
6	Centre of gravity	15
7	Piping diagrams	17
8	Wiring diagrams	18
	Wiring Diagrams - Single Phase	18
9	Sound data	20
	Sound Pressure Spectrum	20
10	Operation range	22

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
- Seasonal efficiency values up to A+++



Powerful mode



Auto cooling-
heating
changeover



Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power input				FTXJ20MW/RXJ20M	FTXJ25MW/RXJ25M	FTXJ35MW/RXJ35M	FTXJ50MW/RXJ50M	
Cooling capacity	Nom.		kW	2.3	2.4	3.5	4.8	
Heating capacity	Nom.		kW	2.50	3.20	4	5.80	
Power input	Cooling	Nom.	kW	0.50	0.51	0.86	1.43	
	Heating	Nom.	kW	0.50	0.70	0.99	1.59	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+++		A++		
		Pdesign	kW	2.30	2.40	3.50	4.80	
		SEER		8.73	8.64	7.19	7.02	
		Annual energy consumption		92	97	170	239	
		A Condi on (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	4.80
			EERd		4.64	4.73	4.09	3.35
			power input	kW	0.50	0.51	0.86	1.43
		B Condi on (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	3.47
			EERd		7.67	7.33	5.44	5.24
			power input	kW	0.21	0.23	0.47	0.66
		C Condi on (25°C - 27/19)	Pdc	kW	1.27		1.66	2.36
			EERd		10.69	10.55	7.88	8.64
			power input	kW	0.12		0.21	0.27
		D Condi on (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46	2.17
			EERd		14.25	14.16	13.76	12.00
			power input	kW	0.10		0.11	0.18
	Heating (Average climate)	Energy label		A++		A+		
		Pdesign	kW	2.10	2.70	3.00	4.60	
		SCOP/A		4.61	4.60		4.28	
		SCOPnet/A		4.65	4.66	4.64	4.30	
		Pd _h Heating capacity at -10°		2		3	4	
		Annual energy consumption		638	822	913	1,505	
		Required back up heating cap at design conditions		0.30	0.52	0.39	0.44	
		TOL	Tol (temper ature operati ng limit)	°C	-15			
				Pd _h (decla red heating cap)	kW	1.68	1.95	2.56
			COP _d (declared COP)		2.69	2.47	2.41	2.16
			Power input	kW	0.62	0.79	1.06	1.91

2 Specifications

2-1 Capacity and Power input				FTXJ20MW/RXJ20M	FTXJ25MW/RXJ25M	FTXJ35MW/RXJ35M	FTXJ50MW/RXJ50M	
		TBivalent	Tbiv (bivalent temperature)	°C	-7			
			Pdh (declared heating cap)	kW	1.87	2.31	2.64	4.19
			COPd (declared COP)		3.40	3.10		2.47
			Power input	kW	0.55	0.75	0.85	1.70
		A Condition (-7°C)	Pdh (declared heating cap)	kW	1.87	2.31	2.64	4.19
			COPd (declared COP)		3.40	3.10		2.47
			Power input	kW	0.55	0.75	0.85	1.70
		B Condition (2°C)	Pdh (declared heating cap)	kW	1.07	1.40	1.53	2.49
			COPd (declared COP)		4.89	4.87	4.80	4.41
			Power input	kW	0.22	0.29	0.32	0.56
		C Condition (7°C)	Pdh (declared heating cap)	kW	1.00		1.07	1.63
			COPd (declared COP)		5.37		5.40	5.24
			Power input	kW	0.19		0.20	0.31
		D Condition (12°C)	Pdh (declared heating cap)	kW	0.96		0.99	1.87
			COPd (declared COP)		6.36		6.42	7.95
			Power input	kW	0.15			0.24
Pto (Thermostat off)				W	9.0			
Cooling	Psb (Standby mode cooling)			W	1.0			
	Cdc (Degradation cooling)				0.25			
Heating	Cdh (Degradation heating)				0.25			
Pck (Crankcase heater mode)				W	0.0			
Poff (Off mode)				W	1.0			
Cooling function included					yes			
Heating function included					yes			
Average climate included					yes			
Cold season included					no			
Warm season included					no			
Ecolabel logo					-		no	

2 Specifications

2-1 Capacity and Power input					FTXJ20MW/RXJ20M	FTXJ25MW/RXJ25M	FTXJ35MW/RXJ35M	FTXJ50MW/RXJ50M
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61		63	
	Sound power level indoor	Cooling	Nom.	dBA	54		59	60
Nominal efficiency	EER				4.64	4.73	4.09	3.35
	COP				5.00	4.57	4.04	3.65
	Annual energy consumption			kWh	248	254	428	716
	Energy label	Cooling			A			
		Heating			A			

2-2 Capacity and Power input					FTXJ20MS/RXJ20M	FTXJ25MS/RXJ25M	FTXJ35MS/RXJ35M	FTXJ50MS/RXJ50M
Cooling capacity	Nom.			kW	2.3	2.4	3.5	4.8
Heating capacity	Nom.			kW	2.50	3.20	4	5.80
Power input	Cooling	Nom.		kW	0.50	0.51	0.86	1.43
	Heating	Nom.		kW	0.50	0.70	0.99	1.59
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+++		A++	
		Pdesign		kW	2.30	2.40	3.50	4.80
		SEER			8.73	8.64	7.19	7.02
		Annual energy consumption		kWh	92	97	170	239
		A Condition (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	4.80
			EERd		4.64	4.73	4.09	3.35
			power input	kW	0.50	0.51	0.86	1.43
		B Condition (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	3.47
			EERd		7.67	7.33	5.44	5.24
			power input	kW	0.21	0.23	0.47	0.66
		C Condition (25°C - 27/19)	Pdc	kW	1.27		1.66	2.36
			EERd		10.69	10.55	7.88	8.64
			power input	kW	0.12		0.21	0.27
		D Condition (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46	2.17
			EERd		14.25	14.16	13.76	12.00
			power input	kW	0.10		0.11	0.18
	Heating (Average climate)	Energy label			A++		A+	
		Pdesign		kW	2.10	2.70	3.00	4.60
		SCOP/A			4.61	4.60		4.28
		SCOPnet/A			4.65	4.66	4.64	4.30
		Pdh Heating capacity at -10°				2	3	4
		Annual energy consumption		kWh	638	822	913	1,505
		Required back up heating cap at design conditions		kW	0.30	0.52	0.39	0.44
		TOL	Tol (temperature operating limit)	°C	-15			
			Pdh (declared heating cap)	kW	1.68	1.95	2.56	4.12
			COPd (declared COP)		2.69	2.47	2.41	2.16
			Power input	kW	0.62	0.79	1.06	1.91

2 Specifications

2

2-2 Capacity and Power input				FTXJ20MS/RXJ20M	FTXJ25MS/RXJ25M	FTXJ35MS/RXJ35M	FTXJ50MS/RXJ50M	
		TBivalent	Tbiv (bivalent temperature)	°C	-7			
			Pdh (declared heating cap)	kW	1.87	2.31	2.64	4.19
			COPd (declared COP)		3.40	3.10		2.47
			Power input	kW	0.55	0.75	0.85	1.70
		A Condition (- 7°C)	Pdh (declared heating cap)	kW	1.87	2.31	2.64	4.19
			COPd (declared COP)		3.40	3.10		2.47
			Power input	kW	0.55	0.75	0.85	1.70
		B Condition (2°C)	Pdh (declared heating cap)	kW	1.07	1.40	1.53	2.49
			COPd (declared COP)		4.89	4.87	4.80	4.41
			Power input	kW	0.22	0.29	0.32	0.56
		C Condition (7°C)	Pdh (declared heating cap)	kW	1.00		1.07	1.63
			COPd (declared COP)		5.37		5.40	5.24
			Power input	kW	0.19		0.20	0.31
		D Condition (12°C)	Pdh (declared heating cap)	kW	0.96		0.99	1.87
			COPd (declared COP)		6.36		6.42	7.95
			Power input	kW	0.15			0.24
Pto (Thermostat off)				W	9.0			
Cooling	Psb (Standby mode cooling)			W	1.0			
	Cdc (Degradation cooling)				0.25			
Heating	Cdh (Degradation heating)				0.25			
Pck (Crankcase heater mode)				W	0.0			
Poff (Off mode)				W	1.0			
Cooling function included					yes			
Heating function included					yes			
Average climate included					yes			
Cold season included					no			
Warm season included					no			
Ecolabel logo					-		no	

2 Specifications

2-2 Capacity and Power input					FTXJ20MS/RXJ20M	FTXJ25MS/RXJ25M	FTXJ35MS/RXJ35M	FTXJ50MS/RXJ50M
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61		63	
	Sound power level indoor	Cooling	Nom.	dBA	54		59	60
Nominal efficiency	EER				4.64	4.73	4.09	3.35
	COP				5.00	4.57	4.04	3.65
	Annual energy consumption			kWh	248	254	428	716
	Energy label	Cooling			A			
		Heating			A			

2-3 Technical Specifications					RXJ20M	RXJ25M	RXJ35M	RXJ50M	
Casing	Colour				Ivory white				
Dimensions	Unit	Height	mm		550			735	
		Width	mm		765			825	
		Depth	mm		285			300	
	Packed unit	Height	mm		589			792	
		Width	mm		882			960	
		Depth	mm		363			390	
Weight	Unit		kg		34			44	
	Packed unit		kg		38			48	
Packing	Weight		kg		4				
Heat exchanger	Length		mm		805			845	
	Rows	Quantity			2				
	Fin pitch		mm		1.4			1.8	
	Stages	Quantity			24			32	
	Tube type					ø7 Hi-XD			ø8 Hi-XD
	Fin	Type			Waffle fin (PE)				
	Compressor	Model			1YC25FXD#A				2YC40GXD#A
Type			Hermetically sealed swing compressor						
Output		W	800			1,300			
Fan	Type				Propeller fan				
	Air flow rate	Cooling	High	m³/min	33.5			51.0	
				cfm	1,183			1,801	
			Super low	m³/min	29.3			38.5	
				cfm	1,035			1,359	
		Heating	High	m³/min	26.4		27.9	40.4	
				cfm	932		985	1,427	
			Super low	m³/min	25.6			34.3	
				cfm	904			1,211	
Fan motor	Model			ARS6401DA				ARW7406DA	
	Output			W	23			68	
	Speed	Cooling	High	rpm	860			820	
			Super low	rpm	760			620	
		Heating	High	rpm	760		800	730	
			Super low	rpm	740			620	
Sound power level	Cooling		dBA		61		63		
	Heating		dBA		62		63		
Sound pressure level	Cooling	High		dBA	46		48		
		Silent operation		dBA	43		45		
	Heating	High		dBA	47		48		
		Silent operation		dBA	44		45		
Operation range	Cooling	Ambient	Min.	°CDB	-10				
			Max.	°CDB	46				
	Heating	Ambient	Min.	°CWB	-15				
			Max.	°CWB	18				

2 Specifications

2-3 Technical Specifications				RXJ20M	RXJ25M	RXJ35M	RXJ50M	
Refrigerant	Type			R-32				
	Charge		kg	0.72			1.30	
			TCO ₂ eq	0.5			0.9	
	GWP			675				
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.5			12.7	
	Drain	ID	mm	-				
		OD	mm	18				
	Piping length	OU - IU	Max.	m	20			30
		System	Chargeless	m	10			
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)				
	Level difference	IU - OU	Max.	m	15			20
	Heat insulation			Both liquid and gas pipes				
Refrigerant oil	Type			FW68DA				
	Charged volume		l	0.375			0.650	

2-4 Electrical Specifications				RXJ20M	RXJ25M	RXJ35M	RXJ50M
Power supply	Name			V1			
	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	220-240			
Current - 50Hz	Maximum fuse amps (MFA)		A	10			15
Current	Nominal running current (RLA)	Cooling	A	2.65 (1) / 2.55 (2) / 2.45 (3)	2.79 (1) / 2.70 (2) / 2.60 (3)	4.21 (1) / 4.02 (2) / 3.93 (3)	6.46 (1) / 6.27 (2) / 6.07 (3)
		Heating	A	2.65 (1) / 2.55 (2) / 2.45 (3)	3.74 (1) / 3.64 (2) / 3.54 (3)	4.79 (1) / 4.59 (2) / 4.49 (3)	7.18 (1) / 6.88 (2) / 6.68 (3)
	Starting current	Cooling	A	3.9		5	7.4
		Heating	A	3.9		5	7.4
Current - 60Hz	Maximum fuse amps (MFA)		A	-			

Notes

(1) 220V

(2) 230V

(3) 240V

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

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RXJ-M

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	1	2	3	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXJ50MW	RXJ50M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,9	15	65	6,2	0,068	0,34	0,029	0,15
FTXJ50MS		50	230					6,0				
		50	240					5,8				
FTXJ20MW	RXJ20M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	7,9	10	40	2,4	0,023	0,11	0,029	0,15
FTXJ20MS		50	230					2,3				
		50	240					2,2				
FTXJ25MW	RXJ25M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	7,9	10	44,3	2,7	0,023	0,11	0,029	0,15
FTXJ25MS		50	230					2,6				
		50	240					2,5				
FTXJ35MW	RXJ35M	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,8	10	67	4,3	0,023	0,11	0,029	0,15
FTXJ35MS		50	230					4,1				
		50	240					4,0				

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
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]

3D092134B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXJ20MV1BW + RXJ20M2V1B FTXJ20MV1BS + RXJ20M2V1B

AFR	8,9
BF	0,11

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
20	14	2,36	1,96	0,38	2,25	1,91	0,42	2,14	1,86	0,46	2,10	1,84	0,47	2,04	1,82	0,49	1,93	1,77	0,53
22	16	2,46	1,93	0,39	2,36	1,88	0,42	2,25	1,84	0,46	2,21	1,82	0,47	2,14	1,79	0,50	2,03	1,75	0,53
25	18	2,57	2,05	0,39	2,46	2,01	0,42	2,35	1,97	0,46	2,31	1,95	0,48	2,25	1,93	0,50	2,14	1,88	0,54
27	19	2,62	2,19	0,39	2,51	2,15	0,43	2,41	2,11	0,46	2,36	2,10	0,48	2,30	2,07	0,50	2,19	2,03	0,54
30	22	2,78	2,13	0,39	2,67	2,09	0,43	2,57	2,05	0,47	2,52	2,04	0,48	2,46	2,02	0,50	2,35	1,98	0,54
32	24	2,89	2,08	0,39	2,78	2,05	0,43	2,67	2,01	0,47	2,63	2,00	0,48	2,56	1,98	0,51	2,46	1,95	0,54

AFR	10,2
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Heating 220-240V 50Hz

1	4									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,68	0,42	1,97	0,44	2,25	0,46	2,59	0,49	2,81	0,51
20	1,60	0,43	1,88	0,45	2,16	0,48	2,50	0,50	2,73	0,52
22	1,56	0,44	1,84	0,46	2,13	0,48	2,47	0,50	2,69	0,52
24	1,53	0,44	1,81	0,46	2,09	0,48	2,43	0,51	2,66	0,53
25	1,51	0,45	1,79	0,47	2,07	0,49	2,41	0,51	2,64	0,53
27	1,48	0,45	1,76	0,47	2,04	0,49	2,38	0,52	2,61	0,53

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]

3D092128A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXJ25MV1BW + RXJ25M2V1B

FTXJ25MV1BS + RXJ25M2V1B

AFR	8,3
BF	0,07

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
20	14	2,46	1,99	0,41	2,35	1,94	0,45	2,23	1,89	0,49	2,28	1,91	0,50	2,21	1,87	0,52	2,10	1,82	0,56
22	16	2,57	1,96	0,41	2,46	1,91	0,45	2,34	1,86	0,49	2,40	1,88	0,50	2,33	1,85	0,53	2,21	1,80	0,57
25	18	2,68	2,07	0,41	2,57	2,03	0,45	2,46	1,98	0,49	2,51	2,01	0,50	2,44	1,98	0,53	2,33	1,93	0,57
27	19	2,73	2,21	0,41	2,62	2,17	0,45	2,51	2,12	0,49	2,57	2,14	0,51	2,50	2,12	0,53	2,38	2,07	0,57
30	22	2,90	2,14	0,42	2,79	2,10	0,46	2,68	2,06	0,50	2,74	2,08	0,51	2,67	2,06	0,53	2,56	2,02	0,57
32	24	3,01	2,09	0,42	2,90	2,06	0,46	2,79	2,02	0,50	2,86	2,04	0,51	2,79	2,02	0,54	2,67	1,98	0,58

AFR	10,4
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Heating 220-240V 50Hz

1	4									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,15	0,59	2,52	0,62	2,88	0,65	3,31	0,68	3,60	0,71
20	2,04	0,61	2,41	0,64	2,77	0,67	3,20	0,70	3,49	0,72
22	2,00	0,61	2,36	0,64	2,72	0,67	3,16	0,71	3,44	0,73
24	1,96	0,62	2,32	0,65	2,68	0,68	3,11	0,71	3,40	0,74
25	1,93	0,62	2,29	0,65	2,66	0,68	3,09	0,72	3,38	0,74
27	1,89	0,63	2,25	0,66	2,61	0,69	3,05	0,72	3,33	0,75

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]

3D092129A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXJ35MV1BW + RXJ35M2V1B FTXJ35MV1BS + RXJ35M2V1B

AFR	10,6
BF	0,10

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
20	14	3,44	2,65	0,66	3,28	2,58	0,72	3,13	2,50	0,79	3,19	2,53	0,80	3,10	2,49	0,84	2,93	2,41	0,91
22	16	3,60	2,61	0,66	3,44	2,54	0,72	3,28	2,47	0,79	3,36	2,50	0,80	3,26	2,46	0,84	3,10	2,38	0,91
25	18	3,75	2,75	0,67	3,59	2,68	0,73	3,44	2,62	0,79	3,52	2,65	0,81	3,42	2,61	0,85	3,26	2,54	0,91
27	19	3,83	2,91	0,67	3,67	2,85	0,73	3,51	2,79	0,79	3,60	2,82	0,81	3,50	2,78	0,85	3,34	2,71	0,91
30	22	4,06	2,81	0,67	3,90	2,76	0,73	3,75	2,70	0,79	3,84	2,73	0,82	3,74	2,70	0,86	3,58	2,64	0,91
32	24	4,21	2,74	0,67	4,06	2,69	0,74	3,90	2,64	0,80	4,00	2,67	0,82	3,90	2,64	0,86	3,74	2,59	0,92

AFR	11,9
-----	------

Heating 220-240V 50Hz

1	4									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,69	0,84	3,14	0,88	3,60	0,92	4,14	0,97	4,50	1,00
20	2,55	0,86	3,01	0,90	3,46	0,94	4,00	0,99	4,36	1,02
22	2,50	0,87	2,95	0,91	3,40	0,95	3,94	1,00	4,31	1,03
24	2,44	0,88	2,90	0,92	3,35	0,96	3,89	1,01	4,25	1,04
25	2,42	0,88	2,87	0,92	3,32	0,96	3,86	1,01	4,22	1,04
27	2,36	0,89	2,81	0,93	3,26	0,97	3,81	1,02	4,17	1,05

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]

3D092130A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXJ50MV1BW + RXJ50MV1B

FTXJ50MV1BS + RXJ50MV1B

AFR	10,8
BF	0,09

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
20	14	3,69	2,88	1,01	3,69	2,88	1,14	3,69	2,88	1,27	3,69	2,88	1,31	3,69	2,88	1,39	3,69	2,88	1,52
22	16	4,73	3,28	1,10	4,71	3,27	1,23	4,50	3,16	1,34	4,60	3,21	1,38	4,46	3,14	1,44	4,24	3,03	1,55
25	18	5,15	3,50	1,13	4,92	3,40	1,24	4,71	3,30	1,35	4,82	3,35	1,38	4,68	3,28	1,45	4,46	3,18	1,56
27	19	5,25	3,66	1,13	5,03	3,56	1,24	4,82	3,46	1,35	4,93	3,51	1,38	4,80	3,45	1,45	4,58	3,35	1,56
30	22	5,57	3,52	1,14	5,36	3,43	1,25	5,14	3,34	1,36	5,27	3,39	1,39	5,14	3,34	1,46	4,91	3,25	1,57
32	24	5,78	3,42	1,15	5,57	3,33	1,26	5,35	3,25	1,37	5,49	3,30	1,40	5,36	3,25	1,47	5,13	3,17	1,57

Heating 220-240V 50Hz

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

1	4									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,90	1,34	4,56	1,41	5,21	1,48	6,00	1,55	6,52	1,61
20	3,70	1,38	4,36	1,45	5,01	1,51	5,80	1,59	6,32	1,64
22	3,62	1,39	4,28	1,46	4,93	1,53	5,72	1,60	6,24	1,66
24	3,54	1,41	4,20	1,47	4,85	1,54	5,64	1,62	6,16	1,67
25	3,50	1,42	4,16	1,48	4,81	1,55	5,60	1,63	6,12	1,68
27	3,42	1,43	4,08	1,50	4,73	1,56	5,52	1,64	6,04	1,69

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]

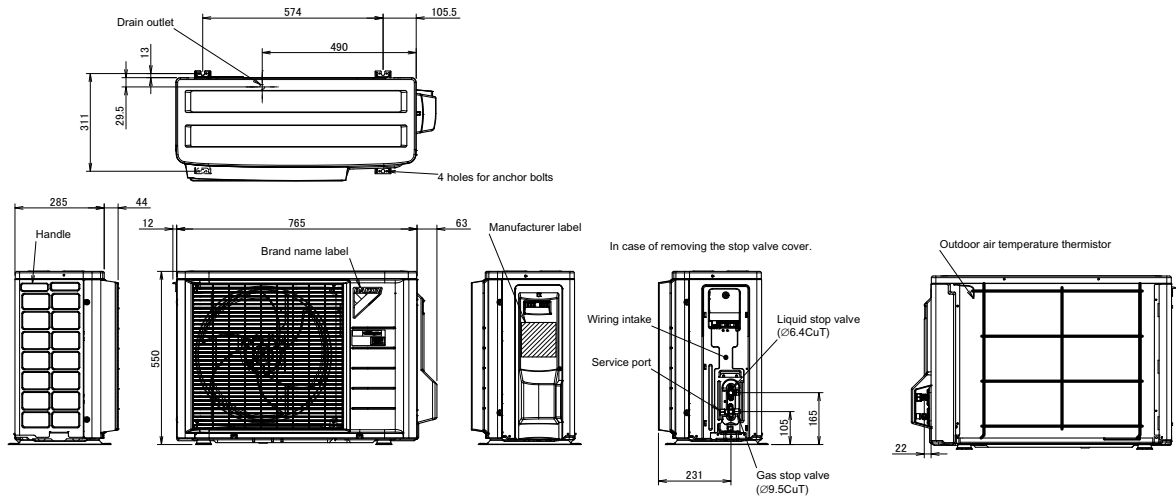
3D099514

5 Dimensional drawings

5 - 1 Dimensional Drawings

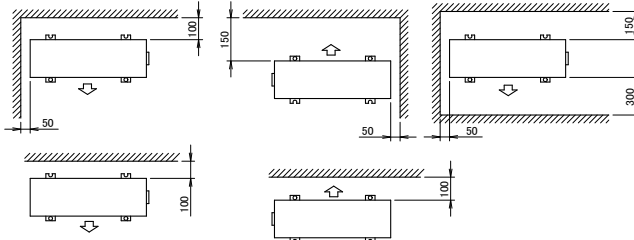
5

RXJ20-35M



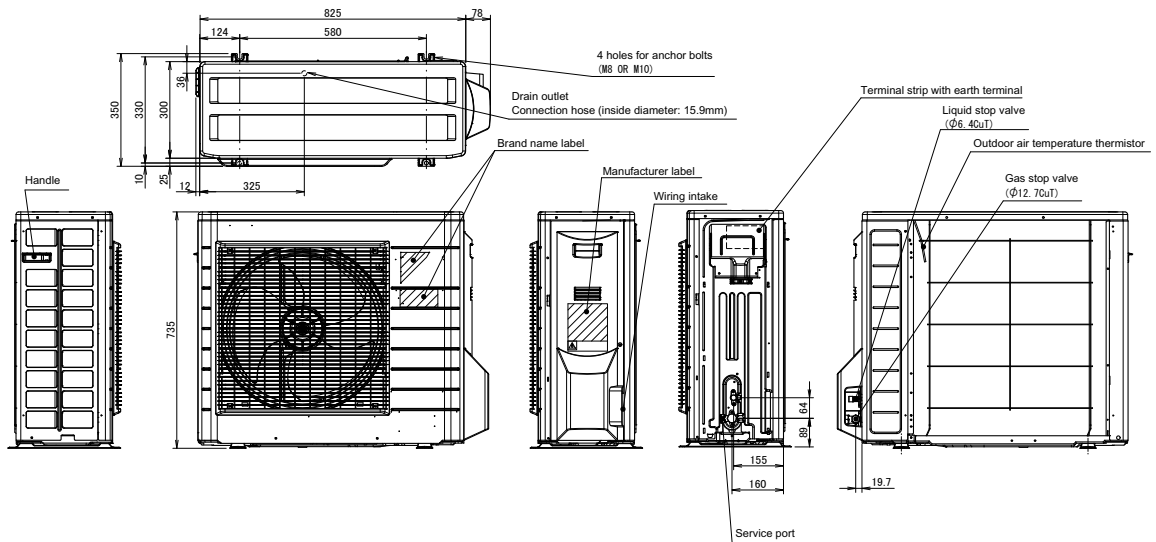
Minimum space for air passage

Wall height on air outlet side < 1200 mm



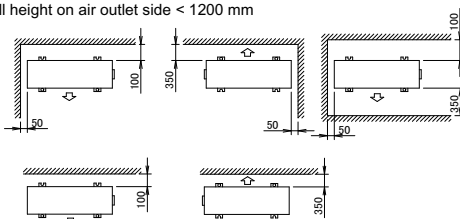
3D099636

RXJ50M



Minimum space for air passage

Wall height on air outlet side < 1200 mm



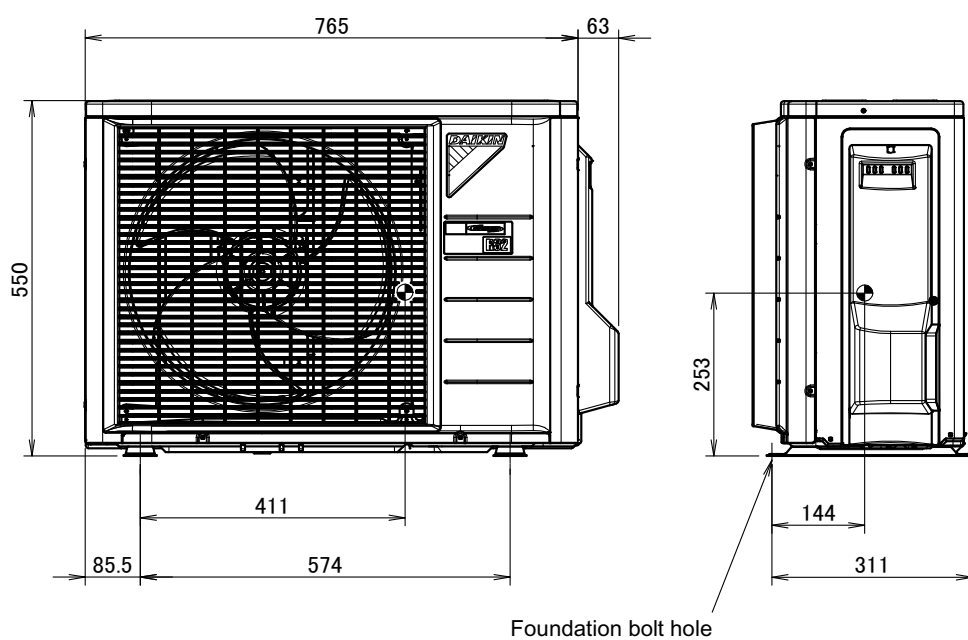
In case of removing the stop valve cover.

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6 Centre of gravity

6 - 1 Centre of Gravity

RXJ20-35M

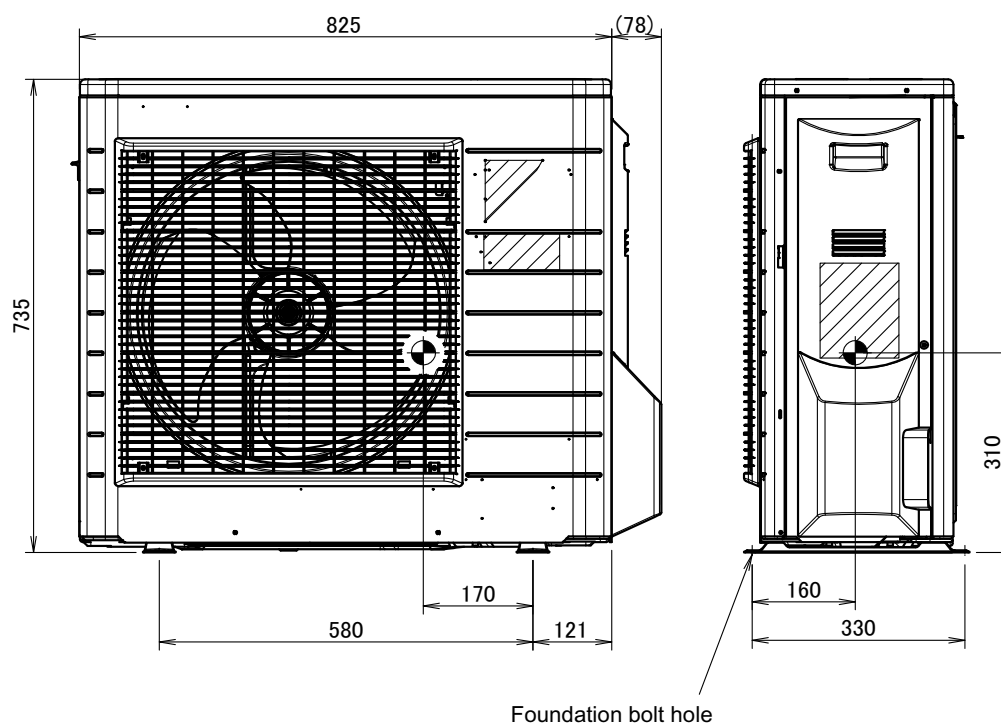


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6 Centre of gravity

6 - 1 Centre of Gravity

RXJ50M

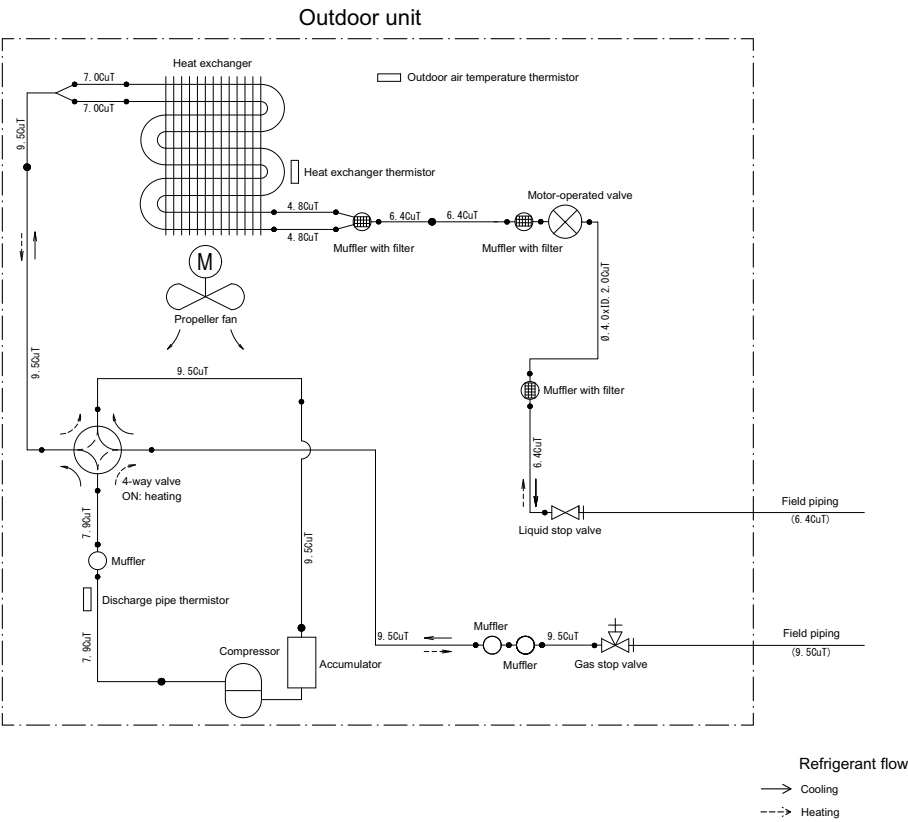


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7 Piping diagrams

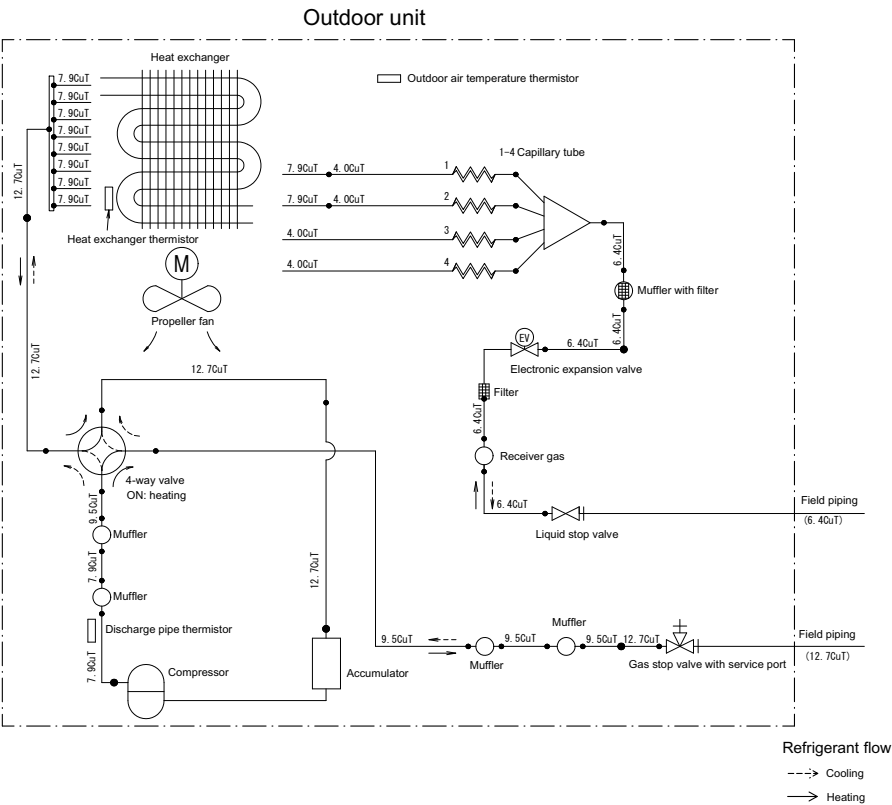
7 - 1 Piping Diagrams

RXJ20-35M



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RXJ50M

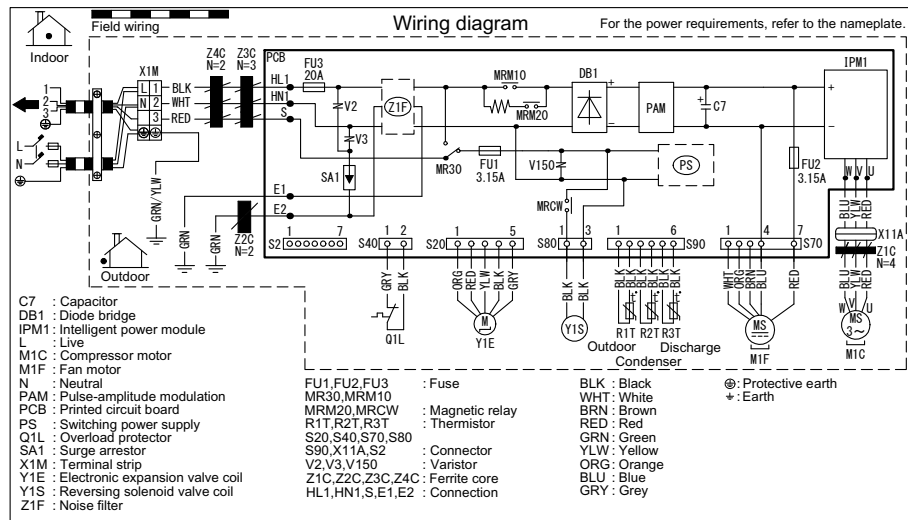


3D092010A

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXJ20-35M



Notes

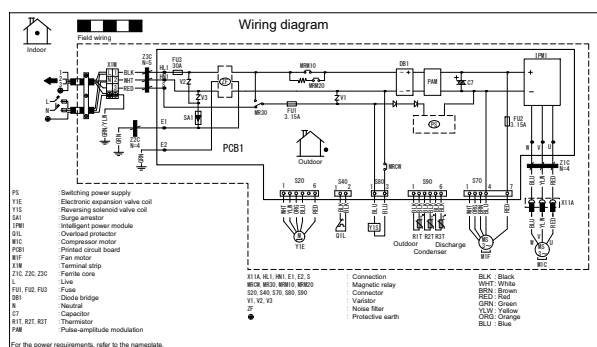
Size: 140 x 80

Refer to purchasing specification AS303002, unless otherwise specified.

4D099916B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXJ50M

Notes

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

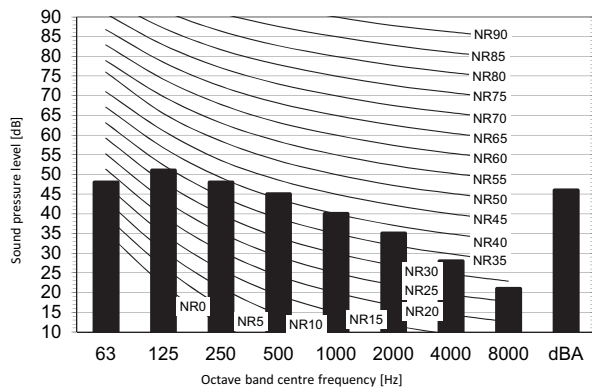
3D090522A

9 Sound data

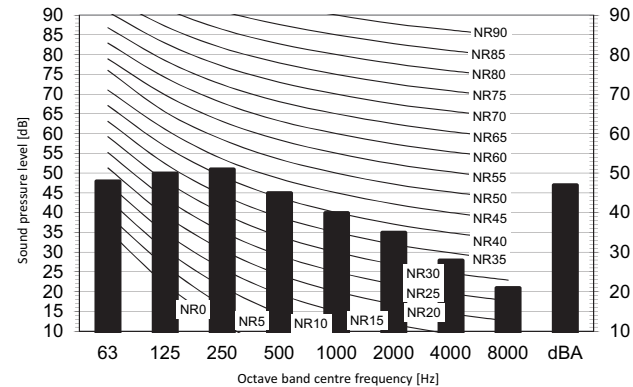
9 - 1 Sound Pressure Spectrum

RXJ20M

Cooling mode



Heating mode



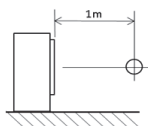
Legend

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	46		

Heating		Total dB	
A	B		
dBA	47		

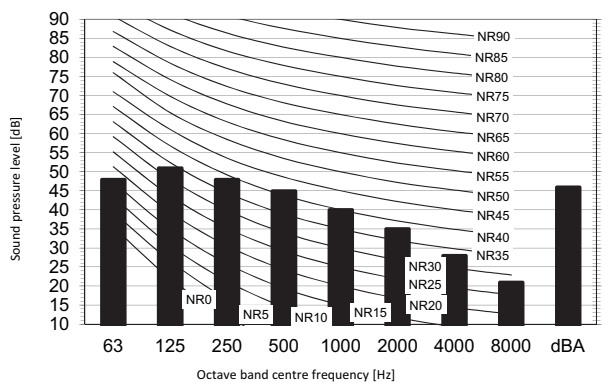
Notes

- 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

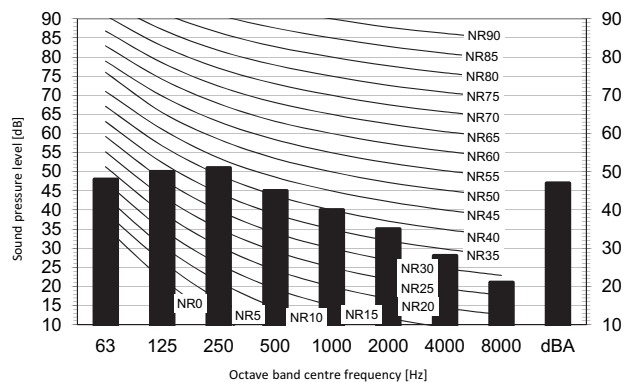
3D092179A

RXJ25M

Cooling mode



Heating mode



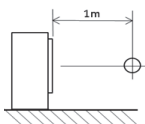
Legend

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	46		

Heating		Total dB	
A	B		
dBA	47		

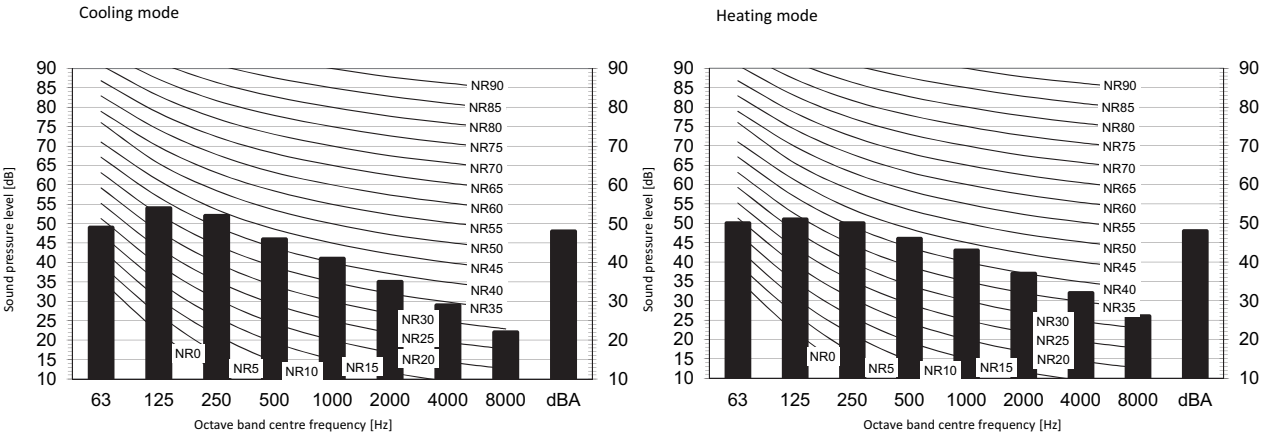
Notes

- 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

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9 Sound data
9 - 1 Sound Pressure Spectrum

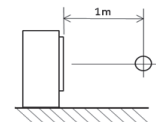
RXJ35M



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

A Scale
B High-tap
Low-tap

Location of microphone



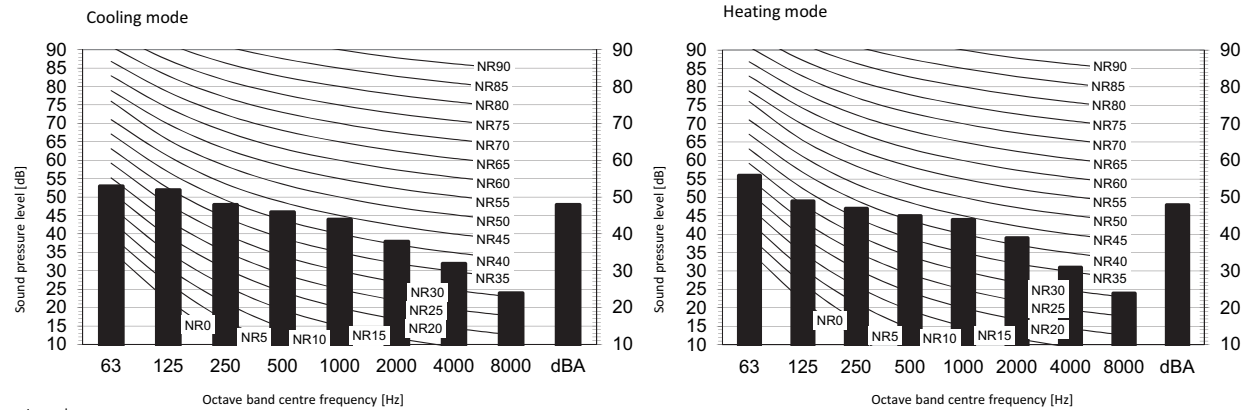
Cooling	
Total dB	
A	B
dBA	48

Heating	
Total dB	
A	B
dBA	48

- 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

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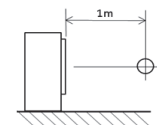
RXJ50M



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	48

- 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

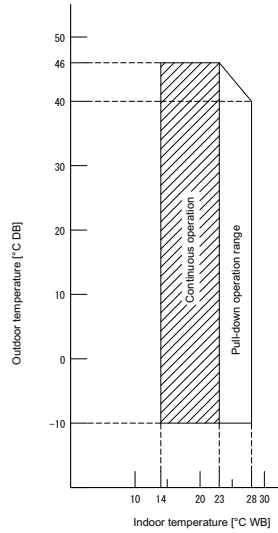
3D099513

10 Operation range

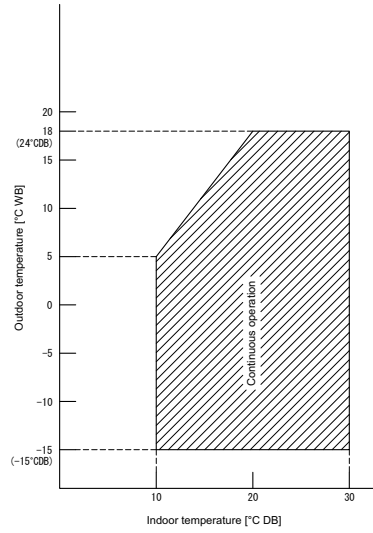
10 - 1 Operation Range

RXJ-M

Cooling



Heating

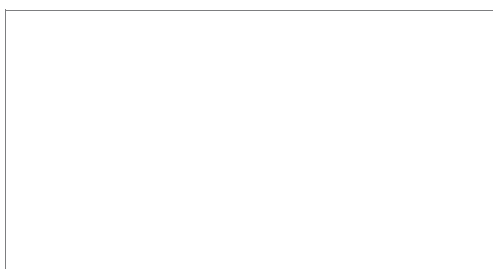


Notes

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

3D092127C

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XXX-07/15



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