Air Conditioning Technical Data

RXZ-N

EEDEN23

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RXZ-N

1 Features

1 - 1 RXZ-N

› First R-32 air-to-air heat pump in the European market
› 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
› Outdoor units for pair application

Inverter

Auto cooling-heating changeover

2 Specifications

2 - 1 Specifications

Technical specifications				FTXZ25N + RXZ25N	FTXZ35N + RXZ35N	FTXZ50N + RXZ50N
Cooling capacity	Min.		kW	0.6		
	Min.		Btu/h	2,000		
	Min.		kcal/h	520		
	Nom.		kW	2.5	3.5	5.0
	Nom.		Btu/h	8,500	11,900	17,100
	Nom.		kcal/h	2,150	3,010	4,300
	Max.		kW	3.9	5.3	5.8
	Max.		Btu/h	13,100	18,100	19,400
	Max.		kcal/h	3,350	4,560	4,990
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-		
	Max.		kcal/h	-		
Heating capacity	Min.		kW	0.6		
	Min.		Btu/h	2,000		
	Min.		kcal/h	520		
	Nom.		kW	3.6	5.0	6.3
	Nom.		Btu/h	9,600	17,100	21,500
	Nom.		kcal/h	2,150		5,420
	Max.		kW	7.5	9.0	9.4
	Max.		Btu/h	25,500	30,700	32,000
	Max.		kcal/h	6,450	7,740	8,080
Power input	Cooling	Min.	kW	0.11		
		Nom.	kW	0.41	0.66	1.10
		Max.	kW	0.88	1.33	1.60
	Heating	Min.	kW	0.10		
		Nom.	kW	0.62	1.00	1.41
		Max.	kW	2.01	2.53	2.64
Nominal efficiency	EER			6.10 (1)	5.30 (1)	4.55 (1)
	COP			5.80 (1)	5.00 (1)	4.47 (1)
	Annual energy consumption		kWh	205	330	550
	Energy labeling Directive	Cooling		A		
		Heating		A		
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.50	3.50	5.00
	SEER			9.54	9.00	8.60
	Annual energy consumption		kWh/a	92	136	203
Space heating (Average climate)	Capacity	Pdesign	kW	3.50	4.50	5.60
Space heating (Average climate)	Energy efficiency class			A+++		
	SCOP/A			5.90	5.73	5.50
	Annual energy consumption		kWh/a	831	1,100	1,427
	Required back up heating cap at design conditions		kW	0.66	0.91	1.02
Space cooling	A Condition	Pdc	kW	2.50	3.50	5.00
	(35°C - 27/19)	EERd		6.18	5.27	4.36
	B Condition	Pdc	kW	1.84	2.58	3.71
	(30°C - 27/19)	EERd		8.92	7.66	6.69
	C Condition	Pdc	kW	1.53	1.66	2.38
	(25°C - 27/19)	EERd		12.23	11.86	11.22
	D Condition	Pdc	kW	1.68	1.63	2.36
	(20°C - 27/19)	EERd		12.36	10.70	12.04
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15		
		Pdh (declared heating cap)	kW	2.41	2.94	3.97
		COPd (declared COP)		3.18	3.25	2.98
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	3.10	3.98	4.95
		COPd (declared COP)		4.10	3.91	3.82
	A Condition	Pdh (declared heating cap)	kW	3.10	3.98	4.95
	(-7°C)	COPd (declared COP)		4.10	3.91	3.82
	B Condition	Pdh (declared heating cap)	kW	1.88	2.42	3.02
	(2°C)	COPd (declared COP)		5.81	5.57	5.42
	C Condition	Pdh (declared heating cap)	kW	1.21	1.56	1.94
	(7°C)	COPd (declared COP)		7.56	7.45	7.25
	D Condition	Pdh (declared heating cap)	kW	0.79	0.69	0.91
	(12°C)	COPd (declared COP)		8.30	8.09	6.33
Power consumption in other than active mode	Crankcase heater mode	PCK	W	0.0		
	Off mode	POFF	W	1.0		
	Standby mode	Cooling PSB	W	1.0		
Cooling	Cdc (Degradation cooling)			0.25		
Heating	Cdh (Degradation heating)			0.25		

2 Specifications

2 - 1 Specifications

Technical specifications	FTXZ25N + RXZ25N	FTXZ35N + RXZ35N	FTXZ50N + RXZ50N
Cooling function included		Yes	
Heating function included		Yes	
Average climate included		Yes	
Cold season included		No	
Warm season included		No	
Ecolabel logo		No	

Electrical specifications				FTXZ25N + RXZ25N	FTXZ35N + RXZ35N	FTXZ50N + RXZ50N
Current	Nominal running current (RLA)	Cooling	A (2)	2.0 (2) / 1.9 (3) / 1.9 (4)	3.1 (2) / 2.9 (3) / 2.8 (4)	5.1 (2) / 4.9 (3) / 4.6 (4)
	Nominal running current (RLA) - 50Hz	Heating	A	2.9 (2) / 2.8 (3) / 2.7 (4)	4.6 (2) / 4.4 (3) / 4.3 (4)	6.5 (2) / 6.2 (3) / 6.0 (4)

(1)EER/COP according to Eurovent 2012, for use outside EU only |
(2)220V |
(3)230V |
(4)240V |
Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

Technical Specifications					RXZ25N	RXZ35N	RXZ50N
Casing	Colour				Ivory white		
Dimensions	Unit	Height		mm	693		
		Width		mm	795		
		Depth		mm	300		
	Packed unit	Height		mm	735		
		Width		mm	926		
		Depth		mm	430		
Weight	Unit			kg	50		
	Packed unit			kg	58		
Heat exchanger	Rows	Quantity			2 /1		
	Fin pitch			mm	1.27 /1.49		
	Stages	Quantity			22 /20		
	Tube type				ø7,94 G2A tube		
	Fin	Type			Corrugated fin		
Fan	Type				PZ440		
	Air flow rate	Cooling	High	m^3/min	31.0	34.4	40.4
				cfm	1,093	1,216	1,427
			Low	m^3/min	22.5		
				cfm	794		764
		Heating	High	m^3/min	28.3	31.5	33.1
				cfm	999	1,113	1,170
			Low	m^3/min	16.2		
				cfm	571		
Fan motor	Model				KFD-280-71-8A		
	Output			W	71		
	Speed	Cooling	High	rpm	710	780	900
		Heating	High	rpm	700	780	820
Compressor	Model				2YC40DXD		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	43		
	Heating	Ambient	Min.	°CWB	-20		
			Max.	°CWB	18		
Sound power level	Heating	Nom.		dBA	59	61	64
Sound pressure level	Cooling	High		dBA	46	48	49
	Heating	High		dBA	46	48	50
Refrigerant	Type				R-32		
	Charge			kg	1.34		
	GWP				675		
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		
	Piping length	OU - IU	Max.	m	10		
	Level difference	IU - OU	Max.	m	8		
	Heat insulation				Both liquid and gas pipes		
Capacity control	Method				Inverter controlled		

Standard accessories: Operation manual;Quantity: 1;

Standard accessories: Installation manual;Quantity: 1;

2 Specifications

2 - 1 Specifications

Electrical Specifications				RXZ25N	RXZ35N	RXZ50N
Power supply	Name			V1		
	Phase			1~		
	Frequency		Hz	50		
	Voltage		V	220-240		
Current	Nominal running current	Cooling	A	1.9 (1) / 1.8 (2) / 1.8 (3)	3.0 (1) / 2.8 (2) / 2.7 (3)	5.0 (1) / 4.8 (2) / 4.5 (3)
	(RLA)	Heating	A	2.8 (1) / 2.7 (2) / 2.6 (3)	4.5 (1) / 4.3 (2) / 4.2 (3)	6.4 (1) / 6.1 (2) / 5.9 (3)
	Starting current	Cooling	A	2.8	4.4	6.2
		Heating	A	2.8	4.4	6.2
Wiring connections	For power supply	Remark		3 for power supply, 4 for interunit wiring (including earth wiring)		
Current - 50Hz	Maximum fuse amps (MFA)		A	16		

(1)220V |
(2)230V |
(3)240V |
Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RXZ-N

Representative unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FTXZ25N	RXZ25N	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	10.5	16	1.7	71	0.12	30	0.14
FTXZ35N	RXZ35N	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	13.25	16	2.8	71	0.15	30	0.14
FTXZ50N	RXZ50N	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	15	16	4.7	71	0.18	30	0.14

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°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.

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4 Options

4 - 1 Options

RXZ-N

Outdoor Units

	RXZ25N	RXZ35N	RXZ50N
Humidifying hose (10m)	KPMH974A42		
Humidifying hose extensions set (2m)	KPMH974A402		

5 Capacity tables

5 - 1 Cooling/Heating Capacity Tables

FTXZ25NV1B + RXZ25NV1B

Cooling **50Hz 220-240V**

AFR	10.7
BF	0.10

Indoor		Outdoor temperature (°CDB)																														
EWB	EDB	-10			-5			0			5			10			15			20			25			30			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.26	2.58	0.16	3.14	2.52	0.16	3.03	2.46	0.19	2.91	2.41	0.22	2.79	2.35	0.25	2.68	2.30	0.28	2.56	2.25	0.31	2.44	2.19	0.34	2.33	2.14	0.38	2.21	2.09	0.41	2.10	2.04	0.41
16.0	22	3.37	2.52	0.20	3.26	2.47	0.20	3.14	2.41	0.20	3.03	2.36	0.23	2.91	2.31	0.26	2.79	2.26	0.29	2.68	2.21	0.32	2.56	2.16	0.35	2.44	2.11	0.38	2.33	2.06	0.41	2.21	2.01	0.41
18.0	25	3.49	2.65	0.20	3.37	2.60	0.20	3.26	2.55	0.20	3.14	2.51	0.23	3.02	2.46	0.26	2.91	2.41	0.29	2.79	2.36	0.32	2.68	2.32	0.35	2.56	2.27	0.38	2.44	2.23	0.41	2.33	2.18	0.41
19.0	27	3.55	2.81	0.20	3.43	2.76	0.20	3.31	2.72	0.20	3.20	2.67	0.23	3.08	2.63	0.26	2.97	2.58	0.29	2.85	2.54	0.32	2.73	2.49	0.35	2.62	2.45	0.38	2.50	2.40	0.41	2.38	2.36	0.41
22.0	30	3.72	2.71	0.23	3.60	2.66	0.23	3.49	2.62	0.23	3.37	2.58	0.23	3.25	2.54	0.26	3.14	2.50	0.29	3.02	2.46	0.32	2.91	2.43	0.35	2.79	2.39	0.38	2.67	2.35	0.41	2.56	2.31	0.42
24.0	32	3.84	2.63	0.23	3.72	2.60	0.23	3.60	2.56	0.23	3.49	2.52	0.23	3.37	2.49	0.26	3.25	2.45	0.29	3.14	2.41	0.32	3.02	2.38	0.35	2.90	2.34	0.38	2.79	2.31	0.41	2.67	2.27	0.42

Heating **50Hz 220-240V**

AFR	11.7

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	1.71	0.40	2.06	0.42	2.41	0.44	3.24	0.58	3.72	0.61	4.05	0.63
20.0	1.61	0.41	1.95	0.43	2.30	0.45	3.11	0.59	3.60	0.62	3.93	0.64
22.0	1.57	0.41	1.91	0.44	2.26	0.46	3.06	0.59	3.55	0.63	3.88	0.65
24.0	1.52	0.42	1.87	0.44	2.22	0.46	3.01	0.60	3.50	0.63	3.83	0.65
25.0	1.50	0.42	1.85	0.44	2.19	0.46	2.99	0.60	3.48	0.63	3.80	0.65
27.0	1.46	0.43	1.81	0.45	2.15	0.47	2.94	0.61	3.43	0.64	3.75	0.66

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 heat 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 : 5.0 m
   Level difference : 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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FTXZ35NV1B + RXZ35NV1B

Cooling **50Hz 220-240V**

AFR	12.1
BF	0.14

Indoor		Outdoor temperature (°CDB)																														
EWB	EDB	-10			-5			0			5			10			15			20			25			30			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.56	3.30	0.26	4.40	3.22	0.26	4.24	3.14	0.31	4.07	3.05	0.36	3.91	2.97	0.41	3.75	2.89	0.45	3.59	2.81	0.51	3.42	2.74	0.56	3.26	2.66	0.60	3.10	2.58	0.65	2.93	2.50	0.66
16.0	22	4.72	3.22	0.27	4.56	3.15	0.27	4.40	3.07	0.31	4.24	2.99	0.36	4.07	2.92	0.41	3.91	2.84	0.46	3.75	2.77	0.51	3.58	2.69	0.56	3.42	2.62	0.61	3.26	2.55	0.65	3.10	2.48	0.66
18.0	25	4.89	3.35	0.32	4.72	3.27	0.32	4.56	3.20	0.32	4.40	3.13	0.37	4.23	3.06	0.41	4.07	2.99	0.46	3.91	2.92	0.51	3.75	2.85	0.56	3.58	2.78	0.61	3.42	2.72	0.65	3.26	2.65	0.66
19.0	27	4.97	3.51	0.32	4.80	3.44	0.32	4.64	3.37	0.32	4.48	3.30	0.37	4.31	3.23	0.42	4.15	3.17	0.46	3.99	3.10	0.51	3.83	3.03	0.56	3.66	2.97	0.61	3.50	2.91	0.65	3.34	2.84	0.67
22.0	30	5.21	3.36	0.37	5.05	3.30	0.37	4.88	3.24	0.37	4.72	3.18	0.37	4.56	3.12	0.42	4.39	3.06	0.47	4.23	3.00	0.52	4.07	2.94	0.57	3.90	2.88	0.62	3.74	2.83	0.66	3.58	2.77	0.67
24.0	32	5.37	3.26	0.37	5.21	3.20	0.37	5.04	3.14	0.37	4.88	3.09	0.37	4.72	3.03	0.42	4.56	2.98	0.47	4.39	2.93	0.52	4.23	2.87	0.57	4.07	2.82	0.62	3.90	2.77	0.67	3.74	2.72	0.67

Heating **50Hz 220-240V**

AFR	13.3

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	2.38	0.64	2.86	0.68	3.34	0.71	4.50	0.93	5.17	0.98	5.62	1.01
20.0	2.23	0.66	2.71	0.69	3.19	0.73	4.32	0.95	4.97	1.00	5.45	1.03
22.0	2.18	0.67	2.66	0.70	3.14	0.73	4.25	0.96	4.93	1.01	5.38	1.04
24.0	2.12	0.68	2.60	0.71	3.08	0.74	4.18	0.97	4.86	1.02	5.31	1.05
25.0	2.09	0.68	2.57	0.71	3.05	0.75	4.15	0.97	4.83	1.02	5.28	1.05
27.0	2.03	0.69	2.51	0.72	2.99	0.75	4.08	0.98	4.76	1.03	4.83	0.96

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 heat 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 : 5.0 m
   Level difference : 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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5 Capacity tables

5 - 1 Cooling/Heating Capacity Tables

FTXZ50NV1B + RXZ50NV1B

Cooling **50Hz 220-240V**

AFR	15
BF	0.17

Indoor		Outdoor temperature (°CDB)																														
EWB	EDB	-10			-5			0			5			10			15			20			25			30			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.59	4.02	0.45	5.59	4.02	0.44	5.59	4.02	0.45	5.59	4.02	0.45	5.59	4.02	0.45	5.36	3.90	0.45	5.12	3.78	0.84	4.89	3.66	0.93	4.66	3.55	1.01	4.42	3.43	1.09	4.19	3.32	1.10
16.0	22	6.75	4.40	0.44	6.52	4.29	0.44	6.28	4.17	0.52	6.05	4.05	0.58	5.82	3.94	0.58	5.59	3.82	0.58	5.35	3.71	0.85	5.12	3.60	0.93	4.89	3.49	1.01	4.65	3.39	1.09	4.42	3.28	1.10
18.0	25	6.98	4.53	0.45	6.75	4.42	0.45	6.51	4.31	0.53	6.28	4.20	0.61	6.05	4.10	0.69	5.82	3.99	0.73	5.58	3.89	0.85	5.35	3.78	0.93	5.12	3.68	1.02	4.88	3.58	1.10	4.65	3.48	1.11
19.0	27	7.10	4.72	0.53	6.86	4.61	0.53	6.63	4.50	0.53	6.40	4.40	0.61	6.16	4.30	0.69	5.93	4.20	0.77	5.70	4.10	0.86	5.47	4.00	0.94	5.23	3.90	1.02	4.99	3.79	1.10	4.77	3.71	1.11
22.0	30	7.44	4.50	0.54	7.21	4.40	0.54	6.98	4.31	0.54	6.74	4.22	0.62	6.51	4.13	0.70	6.28	4.04	0.78	6.04	3.95	0.86	5.81	3.86	0.94	5.58	3.77	1.03	5.35	3.69	1.11	5.11	3.60	1.12
24.0	32	7.67	4.34	0.62	7.44	4.26	0.62	7.21	4.17	0.62	6.97	4.09	0.62	6.74	4.01	0.71	6.51	3.92	0.79	6.27	3.84	0.87	6.04	3.76	0.95	5.81	3.68	1.03	5.58	3.61	1.11	5.34	3.53	1.12

Heating **50Hz 220-240V**

AFR	14.4

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	3.00	0.91	3.60	0.95	4.21	1.00	5.66	1.31	6.52	1.38	7.09	1.42
20.0	2.82	0.93	3.42	0.98	4.02	1.03	5.45	1.34	6.30	1.42	6.84	1.45
22.0	2.74	0.94	3.35	0.99	3.95	1.04	5.36	1.35	6.21	1.42	6.36	1.34
24.0	2.67	0.95	3.27	1.00	3.88	1.05	5.27	1.37	5.88	1.36	5.88	1.24
25.0	2.63	0.96	3.24	1.00	3.84	1.05	5.23	1.37	5.64	1.30	5.64	1.18
27.0	2.56	0.97	3.16	1.01	3.77	1.06	5.14	1.38	5.16	1.18	5.16	1.08

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 heat 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 : 5.0 m
   Level difference : 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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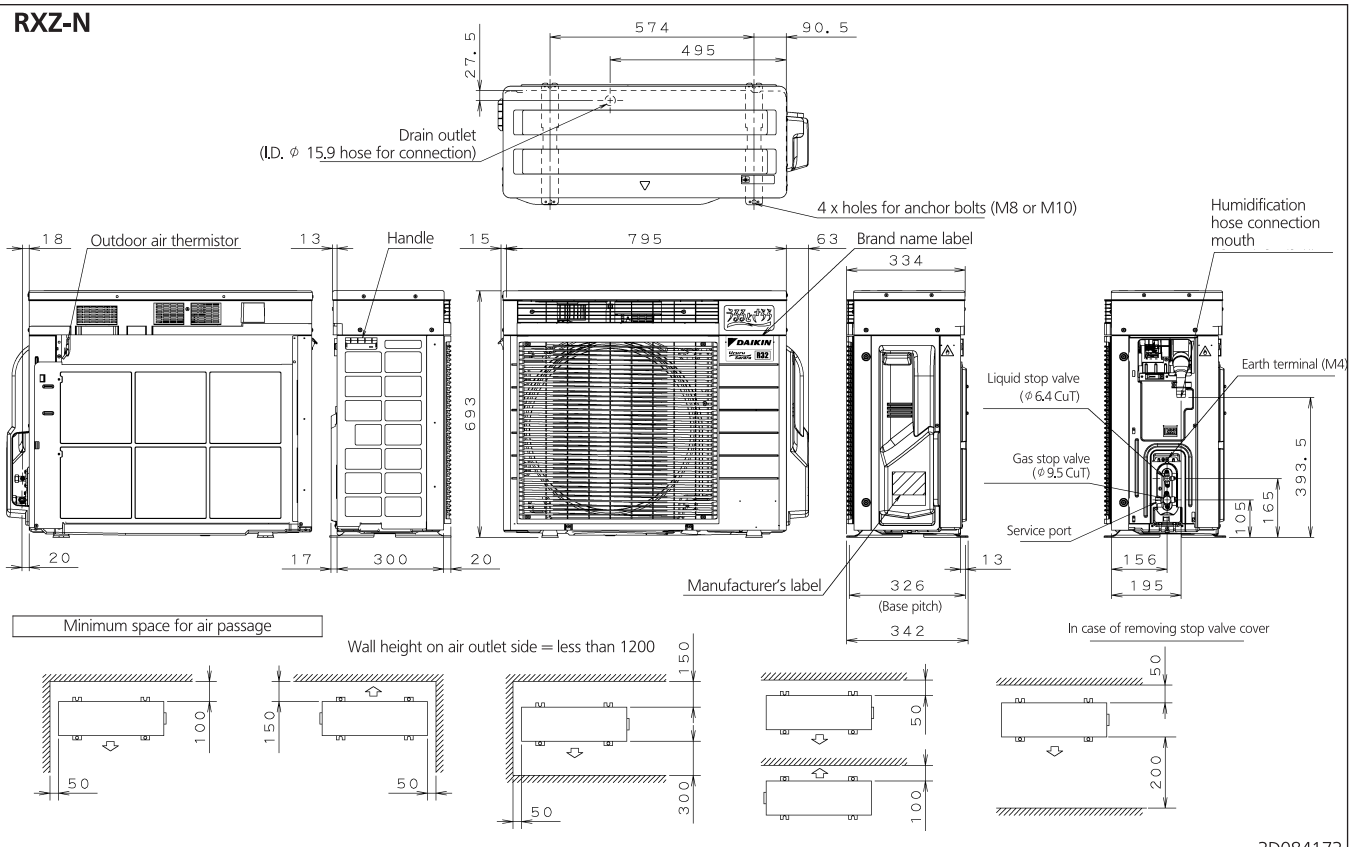
6 Dimensional drawings

6 - 1 Dimensional Drawings

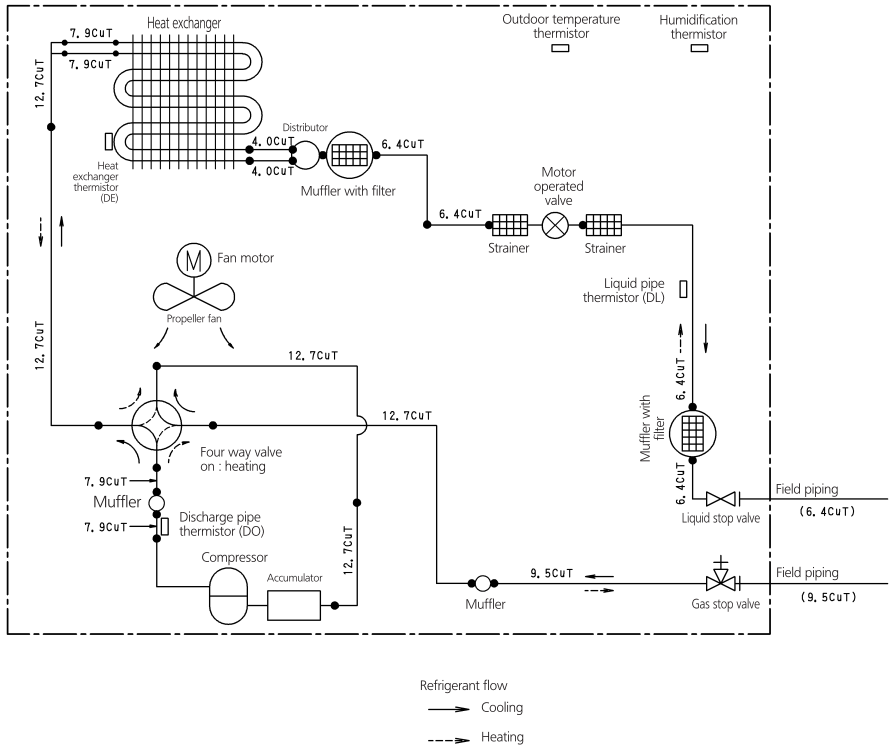
RXZ-N



7 Piping diagrams

7 - 1 Piping Diagrams

RXZ-N



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8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

8

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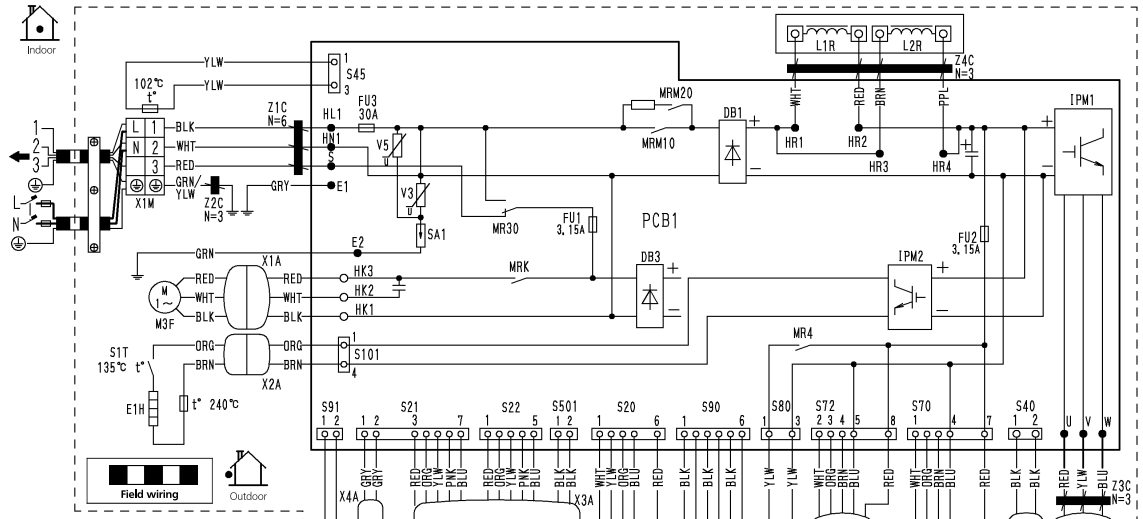

Notes
1. Size: Length 145 X Width 200.
2. Refer to purchasing specification AS(Y)303002, unless otherwise specified.
3. This drawing was drawn on CAD system.
4. Refer to the nameplate for the power requirements.

DB1,DB3	: Diode bridge
E1H	: Heater
FU1,FU2,FU3	: Fuse
HK1,HK2,HK3	: Connector
IPM1,IPM2	: Intelligent power module
L	: Live
L1R,L2R	: Reactor
MRK,MR4,MRM10, MRM20	: Magnetic relay
M1	: Humidifying rotor motor
M2	: Damper motor
M1C	: Compressor motor
M1F	: Fan motor
M2F	: Humidifier fan motor
M3F	: Hygroscopic fan motor

N	: Neutral
PCB1	: Printed circuit board
Q1M	: Overload protector
R1T,R2T,R3T	: Thermistor
R4T	: Humidification thermistor
R5T	: Liquid pipe thermistor
SA1	: Surge arrester
S1C	: Limit switch

S1T	: Thermostat
V3,V5	: Varistor
X1A,X2A,X3A X4A,X5A,X6A,X7A	: Connector
X1M	: Terminal strip
Y1E	: Electronic expansion valve coil
Y1S	: Reversing solenoide valve coil
Z1C,Z2C,Z3C,Z4C	: Ferrite core
⏚	: Protective earth

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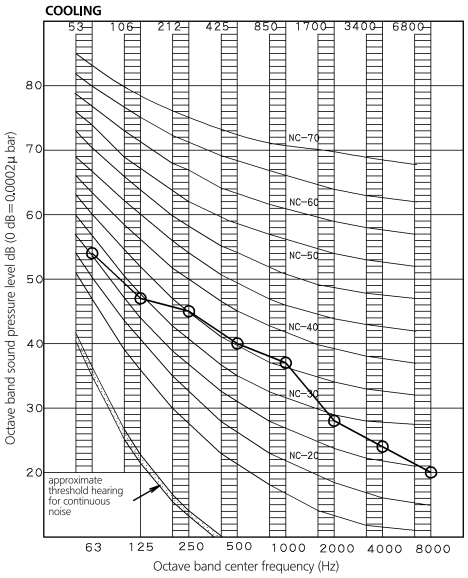
9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

RXZ25N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V
A	46

(B,G,N is already rectified)

2 Measuring place: Measured in an echoic room

3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220-240V 50Hz
O—O 50 Hz 220-240V
Cooling

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

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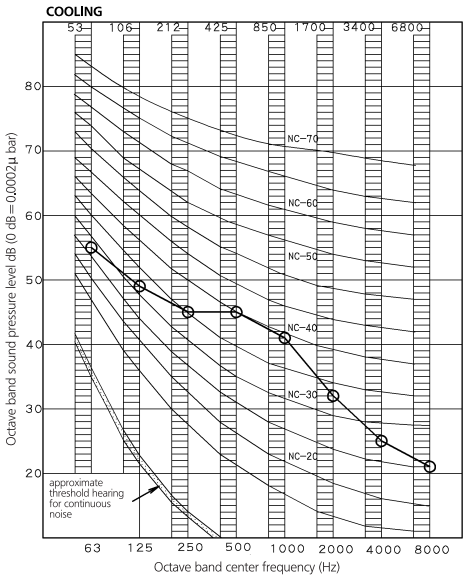
RXZ35N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V
A	48

(B,G,N is already rectified)

2 Measuring place: Measured in an echoic room

3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220-240V 50Hz
O—O 50 Hz 220-240V
Cooling

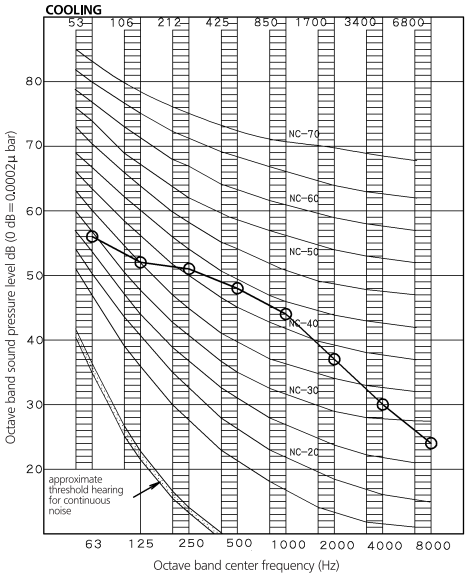
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D084704

9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

RXZ50N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V
A	49

(B,G,N is already rectified)

2 Measuring place: Measured in an echoic room

3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220-240V 50Hz
O—O 50 Hz 220-240V
Cooling

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

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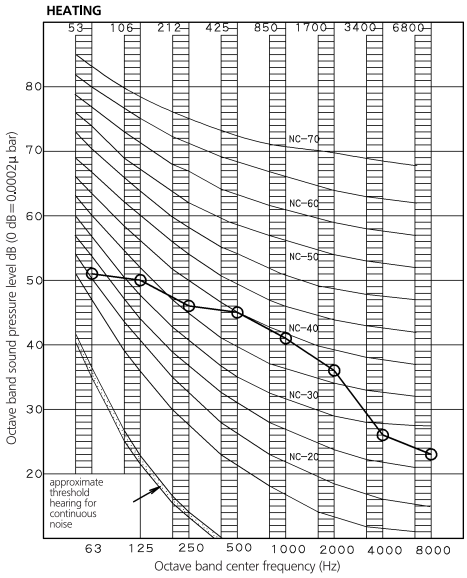
9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

RXZ25N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V
A	46

(B,G,N is already rectified)

2 Measuring place: Measured in an echoic room

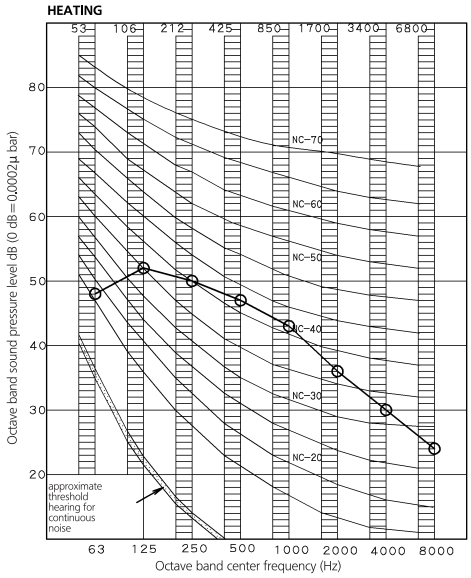
3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220-240V 50Hz
O—O 50 Hz 220-240V
Heating

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D084703

RXZ35N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V
A	48

(B,G,N is already rectified)

2 Measuring place: Measured in an echoic room

3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220-240V 50Hz
O—O 50 Hz 220-240V
Heating

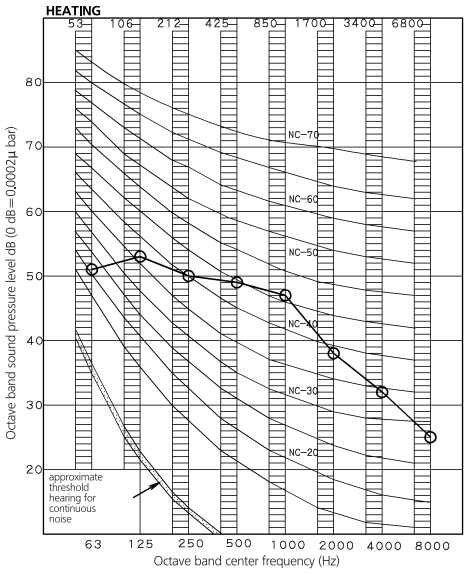
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D084704

9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

RXZ50N



NOTES

1 Overall (dB)

Scale	50Hz 220-240V
A	50

(B,G,N is already rectified)

2 Measuring place: Measured in an echoic room

3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220-240V 50Hz
O—O 50 Hz 220-240V
Heating

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

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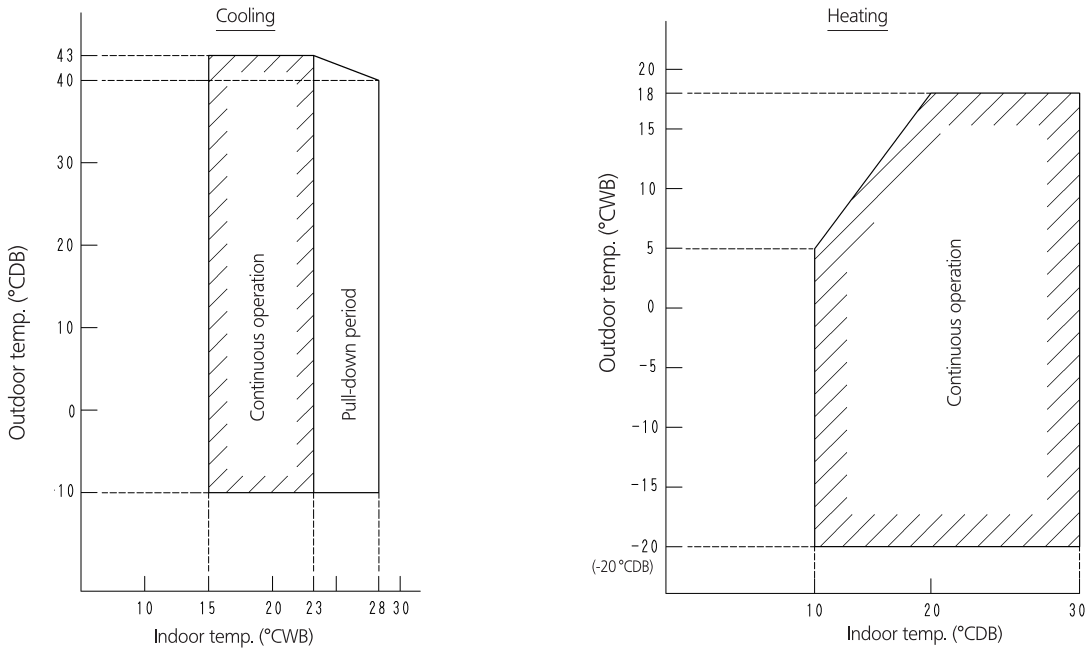
10 Operation range

10 - 1 Operation Range

RXZ-N



Notes:
The graphs are based on the following conditions:

- Equivalent piping length 5.0 m
- Level difference 0 m
- Air flow rate high

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