

Air Conditioning Technical Data

RXC-B

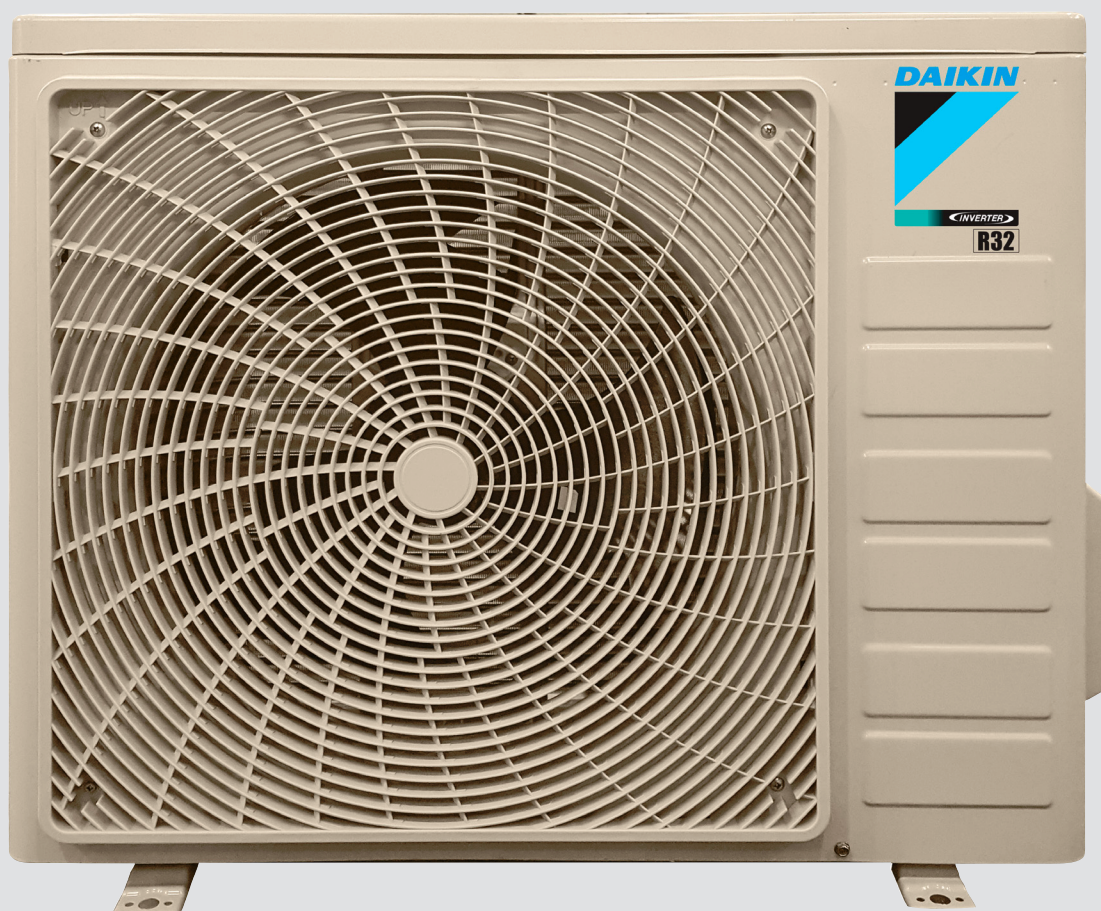


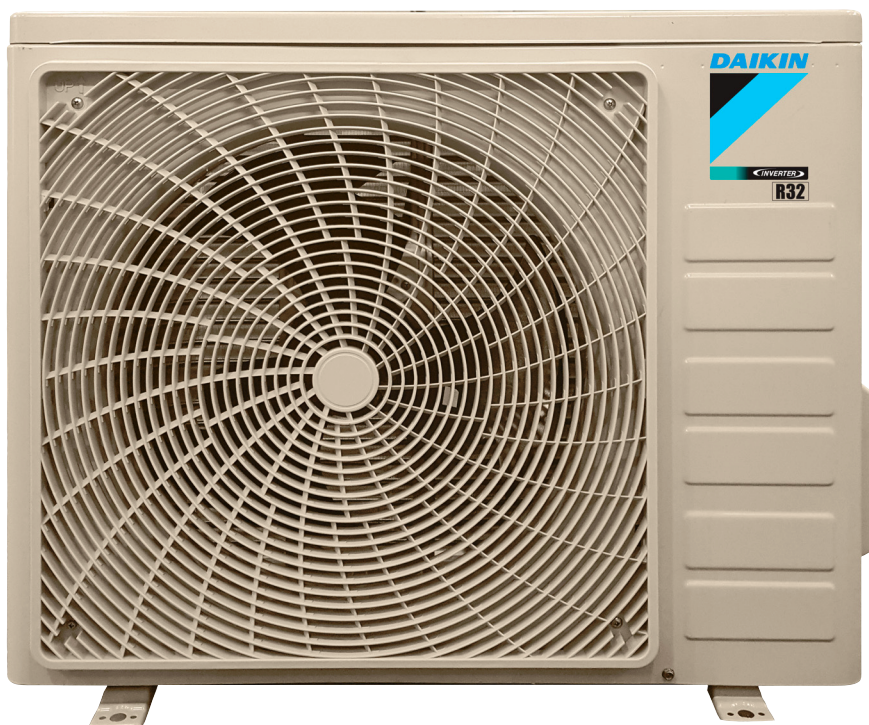
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1 Features

- 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
- Daikin outdoor units are equipped with an anti-corrosion treated heat exchanger (blue fin) which ensures greater resistance to the most severe weather conditions
- 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



Inverter

2 Specifications

2-1 Capacity and Power input				FTXC20B/ RXC20B	FTXC25B/ RXC25B	FTXC35B/ RXC35B	FTXC50B/ RXC50B	FTXC60B/ RXC60B	FTXC71B/ RXC71B
Indoor unit				FTXC20BV1B	FTXC25BV1B	FTXC35BV1B	FTXC50BV1B	FTXC60BV1B	FTXC71BV1B
Outdoor unit				RXC20BV1B	RXC25BV1B	RXC35BV1B	RXC50BV1B	RXC60BV1B	RXC71BV1B
Cooling capacity	Rated		kW	2.00	2.56	3.50	5.10	6.23	7.10
			Btu/h	6,800	8,700	11,900	17,400	21,300	24,200
	Min.		kW	1.30			1.37	1.80	2.30
			Btu/h	4,400			4,700	6,100	7,800
	Max.		kW	3.00		4.00	6.20	7.00	7.30
			Btu/h	10,200		13,600	21,200	23,900	24,900
Heating capacity	Rated		kW	2.50	2.84	4.00	5.62	6.40	8.00
			Btu/h	8,500	9,700	13,600	19,200	21,800	27,300
	Min.		kW	1.30			1.36	1.48	2.30
			Btu/h	4,400			4,600	5,000	7,800
	Max.		kW	4.00		4.80	6.60	8.00	9.00
			Btu/h	13,600		16,400	22,500	27,300	30,700
Power input	Cooling	Min.	kW	0.30		0.315	0.295	0.38	0.44
		Nom.	kW	0.595	0.765	1.045	1.55	1.89	2.38
		Max.	kW	1.15		1.74	2.11	2.045	2.54
	Heating	Min.	kW	0.275			0.27	0.325	0.50
		Nom.	kW	0.67	0.75	1.07	1.515	1.68	2.46
		Max.	kW	1.35		1.57	1.85	2.35	2.74
Space cooling	Capacity	Pdesign	kW	2.08	2.57	3.44	5.08	6.21	6.96
	Energy efficiency class			A++					A
	SEER			6.89	6.84	6.87	6.45	6.40	5.30
	Annual energy consumption			kWh/a	106	132	175	276	459
	A Condition (35°C - 27/19)	Pdc	kW	2.08	2.57	3.44	5.08	6.21	6.96
		EERd		3.95	3.28	3.26	3.20	3.28	2.69
		Power input	kW	0.526	0.785	1.055	1.589	1.892	2.590
	B Condition (30°C - 27/19)	Pdc	kW	1.78		2.34	3.69	4.37	5.21
		EERd		5.81	5.55	5.22	4.68	4.92	4.32
		Power input	kW	0.307	0.321	0.449	0.789	0.961	1.206
	C Condition (25°C - 27/19)	Pdc	kW	1.29		1.54	2.32	3.12	3.52
		EERd		9.51	9.09	8.69	7.96	8.02	6.70
		Power input	kW	0.135	0.142	0.177	0.291	0.389	0.526
	D Condition (20°C - 27/19)	Pdc	kW	1.35		1.36	1.94	2.30	2.28
		EERd		12.46	11.91	12.86	12.04	11.28	7.80
		Power input	kW	0.108	0.113	0.106	0.16	0.204	0.292

2 Specifications

2

2-1 Capacity and Power input					FTXC20B/ RXC20B	FTXC25B/ RXC25B	FTXC35B/ RXC35B	FTXC50B/ RXC50B	FTXC60B/ RXC60B	FTXC71B/ RXC71B
Space heating (Average climate)	Capacity	Pdesign	kW		1.87	2.23	2.24	3.90	4.10	6.35
	Energy efficiency class				A+					A
	SCOP/A				4.40	4.45	4.28	4.42	4.24	3.81
	Pdh Heating capacity at -10°		kW		1.38	1.57	1.71	2.99	3.49	5.36
	Annual energy consumption		kWh/a		594	700	732	1,236	1,354	2,334
	Required back up heating cap at design conditions		kW		0.48	0.66	0.52	0.91	0.61	0.99
	TOL	Tol (temperature operating limit)	°C	-14						
			kW	1.03		1.36	2.37	3.30	5.02	
		COPd (declared COP)		1.94	1.92	1.93	1.90	2.49	2.38	
		Power input		kW	0.534	0.538	0.701	1.249	1.321	2.107
	TBivalent	Tbiv (bivalent temperature)	°C	-7						
			kW	1.65	1.97	1.98	3.45	3.63	5.62	
		COPd (declared COP)		2.49	3.06	2.45	2.55	2.71	2.52	
		Power input		kW	0.663	0.645	0.806	1.351	1.341	2.234
	A Condition (-7°C)	Pdh (declared heating cap)	kW	1.65	1.97	1.98	3.45	3.63	5.62	
		COPd (declared COP)		2.49	3.06	2.45	2.55	2.71	2.52	
		Power input		kW	0.663	0.645	0.806	1.351	1.341	2.234
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.09	1.20	1.31	1.99	2.16	3.34	
		COPd (declared COP)		4.64	4.35	4.50	4.69	4.42	3.69	
		Power input		kW	0.235	0.275	0.292	0.424	0.489	0.906
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.90		0.99	1.68	1.74	2.33	
		COPd (declared COP)		6.12	6.08	5.81	5.85	5.41	5.11	
		Power input		kW	0.148	0.15	0.171	0.287	0.321	0.456
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12		1.14	1.83	1.78	2.14	
		COPd (declared COP)		7.63	7.57	7.25	7.08	6.70	6.05	
		Power input		kW	0.146	0.147	0.157	0.258	0.266	0.354
Current - 50Hz	Maximum running current		A	6.91		7.93	10.2	11.5		
	Maximum fuse amps (MFA)		A	16			20			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.01	3.05	4.21	6.25	7.24	9.00	
		Heating	A	2.74	3.03	4.35	5.98	6.33	9.40	
Pto (Thermostat off)			W	24			28	64		
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	58		60	65	66	69
	Sound power level indoor	Cooling	Nom.	dBA	54		55	57	60	
Nominal efficiency	EER				3.36	3.35		3.29	3.30	2.98
	COP				3.73	3.79	3.74	3.71	3.81	3.25
	Energy labeling Directive	Cooling			A					C
		Heating			A					C

2 Specifications

2-1 Capacity and Power input				FTXC20B/ RXC20B	FTXC25B/ RXC25B	FTXC35B/ RXC35B	FTXC50B/ RXC50B	FTXC60B/ RXC60B	FTXC71B/ RXC71B	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0					
	Off mode	POFF		W	2					
	Standby mode	Cooling	PSB	W	2					
		Heating	PSB	W	2					
Space heating (Warm climate)	Capacity	Pdesignh		kW	2.01	2.05	2.06	4.46	5.53	5.84
	Energy efficiency class				A+++					A++
	SCOP				5.78	5.81	5.69	5.32	5.38	4.60
	Annual energy consumption			kWh/a	487	494	507	1,175	1,439	1,777
	Required back up heating cap at design conditions			kW	0					
	TBivalent	Tbiv (bivalent temperature)	°C		2					
		Pdh (declared heating cap)	kW		2.01	2.05	2.06	4.46	5.53	5.84
		COPd (declared COP)			3.36	3.56	3.42	2.68	2.80	2.61
		Power input		kW	0.597	0.576	0.603	1.667	1.979	2.233
	B Condition (2°C)	Pdh (declared heating cap)	kW		2.01	2.05	2.06	4.46	5.53	5.84
		COPd (declared COP)			3.36	3.56	3.42	2.68	2.80	2.61
		Power input		kW	0.597	0.576	0.603	1.667	1.979	2.233
	C Condition (7°C)	Pdh (declared heating cap)	kW		1.25		1.39	2.83	3.66	3.85
		COPd (declared COP)			5.77		5.80	4.87	5.13	4.61
		Power input		kW	0.216		0.240	0.583	0.713	0.836
	D Condition (12°C)	Pdh (declared heating cap)	kW		1.12		1.14	1.83	1.78	2.14
COPd (declared COP)			7.63		7.30	7.13	6.80	5.56		
Power input		kW	0.146		0.156	0.256	0.262	0.385		

2-2 Technical Specifications				RXC20B	RXC25B	RXC35B	RXC50B	RXC60B	RXC71B	
Capacity control	Method			Inverter controlled						
Casing	Colour			Ivory white						
	Material			Sheet metal						
Dimensions	Unit	Height	mm	550			615		695	
		Width	mm	658			845		930	
		Depth	mm	273			300		350	
	Packed unit	Height	mm	610			679		760	
		Width	mm	781			992		1,084	
		Depth	mm	363			414		473	
Weight	Unit		kg	24		26	39		45	
	Packed unit		kg	26		28	43		49	
Packing	Material			EPS-Foam / Corrugated board						
	Weight		kg	2			4			
Heat exchanger	Length		mm	662		627	850		878	
	Rows	Quantity		1		2				
	Fin pitch		mm	18						
	Face area		m²	0.33		0.32	0.5		0.59	
	Stages	Quantity		24			28		32	
	Tube type			Inner Groove						
	Tube material			Copper						
	Tube diameter		mm	7						
	Fin	Type		Aluminium (Corrugated)						Aluminium (Corrugated)
		Treatment		Hydrophilic						
Compressor	Quantity			1						
	Model			1GDY25BXD			2YC40GXD			
	Oil Amount		cm³	375			650			
	Type			Hermetic swing						
	Oil Type			FW68DA						

2 Specifications

2-2 Technical Specifications					RXC20B	RXC25B	RXC35B	RXC50B	RXC60B	RXC71B
Fan	Type				Propeller fan					
	Discharge direction				Horizontal					
	Quantity				1					
	Air flow rate	Cooling	High	m³/min cfm	26.3 930	23.8 840	37.1 1,310	46.2 1,630	54.7 1,930	
Fan motor	Quantity				1					
	Model				M3SLY10/15F-1		M3SLY20F-1		M3SLY30F-1	
	Index of Protection				24		23			
	Insulation grade				Class "E"					
	Poles				8					
	Output			W	26		61		128	
	Drive				Direct drive					
	Speed	Cooling	High	rpm	930		900	1,100	800	
Sound power level	Cooling			dBA	58	60	65	66	69	
Sound pressure level	Cooling	High		dBA	45	46	51	54		
Operation range	Cooling	Ambien t	Min.	°CDB	10		-10			
			Max.	°CDB	46					
	Heating	Ambien t	Min.	°CWB	-15					
			Max.	°CWB	18					
Refrigerant	Type				R-32					
	Charge			kg	0.55	0.75	1	1.1	1.15	
				TCO _{2eq}	0.371	0.506	0.675	0.743	0.776	
	Control				EXV					
GWP				675						
Piping connections	Liquid	Type			Flare connection					
		OD		mm	6.4					
	Gas	Quantity			1					
		Type			Flare connection					
		OD		mm	9.52		12.7			
	Drain	Quantity			1					
		Type			Drain Joint					
		OD		mm	16					
	Piping length	OU - IU	Min.	m	3					
			Max.	m	20		30			
		System	Chargel ess	m	7.5					
		Additional refrigerant charge			kg/m	0,017 (for piping length exceeding 7.5m)				
	Level difference	IU - OU	Max.	m	15.0		20.0			
	Heat insulation				Both liquid and gas pipes					
Defrost method					Temperature					
Defrost control					Outdoor heat exchanger and ambient sensor					

2-3 Electrical Specifications				RXC20B	RXC25B	RXC35B	RXC50B	RXC60B	RXC71B
Power supply	Name			V1					
	Phase			1~					
	Frequency		Hz	50					
	Voltage		V	220-240					
Current - 50Hz	Maximum fuse amps (MFA)		A	16			20		
Current	Nominal running current (RLA)	Cooling	A	3.01	3.05	4.21	6.25	7.24	9.00
		Heating	A	2.74	3.03	4.35	5.98	6.33	9.40
	Maximum running current	Cooling	A	6.16		6.68	10.2	10.5	11.5
		Heating	A	6.91		7.93	10.2	11.5	
Wiring connections	For power supply	Quantity		3					
		Remark		3 for power supply, 4 for interunit wiring (including earth wiring)					
	For connection with indoor	Quantity		4					
		Remark		Earth wire included					

3 Electrical data

3 - 1 Electrical Data

FTXC-B / RXC-B

Unit combination restrictions		Power supply								COMP				OFM				IFM			
Indoor unit	Outdoor unit	①	②	③	MCA		MFA		Cooling		Heating		Cooling		Heating		Cooling		Heating		
		50	220		Cooling	Heating	Cooling	Heating	RHz	RLA	RHz	RLA	kW	FLA	kW	FLA	kW	FLA	kW	FLA	
FTXC20BV1B	RXC20BV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	6.16	6.91	16	16	33	3.01	50	2.74	0.029	0.28	0.029	0.28	0.016	0.14	0.016	0.14	
		50	230																		
		50	240																		
FTXC25BV1B	RXC25BV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	6.16	6.91	16	16	47	3.05	55	3.03	0.029	0.28	0.029	0.28	0.016	0.14	0.016	0.14	
		50	230																		
		50	240																		
FTXC35BV1B	RXC35BV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	6.68	7.93	16	16	65	4.21	75	4.35	0.033	0.32	0.033	0.32	0.018	0.15	0.018	0.15	
		50	230																		
		50	240																		
FTXC50BV1B	RXC50BV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10.20	10.20	20	20	67	6.25	65	5.98	0.046	0.38	0.063	0.49	0.024	0.19	0.024	0.19	
		50	230																		
		50	240																		
FTXC60BV1B	RXC60BV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10.50	11.50	20	20	76	7.24	79	6.33	0.081	0.62	0.081	0.62	0.047	0.43	0.047	0.43	
		50	230																		
		50	240																		
FTXC71BV1B	RXC71BV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11.50	11.50	20	20	92	9.00	95	9.40	0.084	0.97	0.084	0.97	0.047	0.43	0.047	0.43	
		50	230																		
		50	240																		

NOTE:

- 1) THE RLA IS BASED ON THE FOLLOWING CONDITIONS.
INDOOR TEMPERATURES 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)

- COMP COMPRESSOR
OFM OUTDOOR FAN MOTOR
IFM INDOOR FAN MOTOR
FLA FULL LOAD AMPERE (A)
kW FAN MOTOR RATED OUTPUT (kW)
RHz RATED OPERATING FREQUENCY (Hz)

3D121212C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXC20B / RXC20B

Cooling: 220 - 240V 50Hz

AFR	10.8
BF	0.28

Indoor Temperature		Outdoor Temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
[°C]	[°C]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2.05	1.97	0.46	1.95	1.91	0.50	1.86	1.85	0.54	1.82	1.83	0.56	1.77	1.78	0.59	1.67	1.72	0.63
16	22	2.14	1.94	0.46	2.05	1.88	0.50	1.95	1.82	0.55	1.92	1.80	0.57	1.86	1.76	0.59	1.77	1.71	0.64
18	25	2.24	2.03	0.46	2.14	1.97	0.51	2.05	1.92	0.55	2.01	1.89	0.57	1.95	1.86	0.60	1.86	1.81	0.64
19	27	2.28	2.13	0.46	2.19	2.07	0.51	2.09	2.02	0.55	2.06	2.00	0.57	2.00	1.97	0.60	1.91	1.92	0.64
22	30	2.42	2.05	0.47	2.33	2.00	0.51	2.23	1.96	0.55	2.19	1.94	0.57	2.14	1.91	0.60	2.05	1.87	0.64
24	32	2.51	2.00	0.47	2.42	1.95	0.51	2.33	1.91	0.56	2.29	1.89	0.58	2.23	1.87	0.60	2.14	1.82	0.65

Heating: 220 - 240V 50Hz

AFR	10.8
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Indoor Temperature		Outdoor Temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
[°C]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1.19	0.43	1.43	0.45	1.67	0.48	1.91	0.62	2.59	0.66	2.81	0.68
20		1.12	0.44	1.36	0.46	1.60	0.48	1.84	0.64	2.50	0.67	2.73	0.69
22		1.09	0.45	1.33	0.47	1.57	0.49	1.81	0.64	2.46	0.67	2.69	0.70
24		1.06	0.45	1.30	0.48	1.54	0.50	1.78	0.65	2.43	0.68	2.66	0.70
25		1.04	0.45	1.28	0.48	1.53	0.50	1.77	0.65	2.41	0.68	2.64	0.71
27		1.01	0.46	1.26	0.48	1.49	0.50	1.74	0.66	2.38	0.69	2.61	0.71

SYMBOLS

AFR : Air flow rate (m³/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. shows nominal (rated) capacities and power input.
2. TC, PI and SHC must be calculated by interpolation using the figures in the above tables.
3. Capacities are based on the following conditions:
 Corresponding refrigerant piping length : 7.5m
 Lever difference : 0.0m

3D121043

FTXC25B / RXC25B

Cooling: 220 - 240V 50Hz

AFR	10.8
BF	0.17

Indoor Temperature		Outdoor Temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
[°C]	[°C]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2.62	2.40	0.59	2.50	2.33	0.64	2.38	2.25	0.70	2.34	2.22	0.72	2.26	2.17	0.76	2.14	2.10	0.81
16	22	2.74	2.36	0.59	2.62	2.29	0.65	2.50	2.22	0.70	2.46	2.19	0.73	2.38	2.15	0.76	2.26	2.08	0.82
18	25	2.86	2.47	0.59	2.74	2.40	0.65	2.62	2.33	0.71	2.57	2.31	0.73	2.50	2.27	0.77	2.38	2.20	0.82
19	27	2.92	2.59	0.59	2.80	2.53	0.65	2.68	2.47	0.71	2.63	2.44	0.73	2.56	2.40	0.77	2.44	2.34	0.83
22	30	3.09	2.50	0.60	2.98	2.44	0.66	2.86	2.39	0.71	2.81	2.37	0.74	2.74	2.33	0.77	2.62	2.27	0.83
24	32	3.21	2.43	0.61	3.09	2.38	0.66	2.98	2.33	0.72	2.93	2.31	0.74	2.86	2.27	0.77	2.74	2.22	0.83

Heating: 220 - 240V 50Hz

AFR	10.8
-----	------

Indoor Temperature		Outdoor Temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
[°C]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1.35	0.48	1.63	0.51	1.90	0.53	2.18	0.69	2.94	0.73	3.20	0.76
20		1.27	0.50	1.54	0.52	1.82	0.54	2.09	0.72	2.84	0.75	3.10	0.77
22		1.23	0.50	1.51	0.53	1.78	0.55	2.06	0.72	2.80	0.75	3.06	0.78
24		1.20	0.50	1.48	0.53	1.75	0.56	2.02	0.73	2.76	0.76	3.02	0.79
25		1.18	0.51	1.46	0.53	1.73	0.56	2.01	0.73	2.74	0.77	3.00	0.79
27		1.15	0.51	1.43	0.54	1.70	0.56	1.97	0.73	2.70	0.77	2.96	0.80

SYMBOLS

AFR : Air flow rate (m³/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. shows nominal (rated) capacities and power input.
2. TC, PI and SHC must be calculated by interpolation using the figures in the above tables.
3. Capacities are based on the following conditions:
 Corresponding refrigerant piping length : 7.5m
 Lever difference : 0.0m

3D121056

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXC35B / RXC35B

Cooling: 220 - 240V 50Hz

AFR	10.8
BF	0.14

Indoor Temperature		Outdoor Temperature [°C DB]																			
EWB	EDB	20			25			30			32			35			40				
[°C]	[°C]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14	20	3.59	2.80	0.80	3.42	2.71	0.88	3.26	2.62	0.95	3.19	2.59	0.98	3.10	2.53	1.04	2.93	2.44	1.11		
16	22	3.75	2.75	0.81	3.58	2.66	0.88	3.42	2.58	0.96	3.36	2.55	0.99	3.26	2.49	1.04	3.10	2.42	1.12		
18	25	3.91	2.87	0.81	3.75	2.80	0.89	3.58	2.71	0.96	3.52	2.68	1.00	3.42	2.63	1.05	3.25	2.56	1.12		
19	27	3.99	3.01	0.81	3.83	2.94	0.89	3.66	2.87	0.96	3.60	2.83	1.00	3.50	2.79	1.05	3.34	2.72	1.13		
22	30	4.23	2.90	0.82	4.07	2.84	0.90	3.90	2.77	0.97	3.84	2.75	1.00	3.74	2.71	1.05	3.58	2.64	1.13		
24	32	4.39	2.83	0.83	4.23	2.77	0.90	4.07	2.71	0.98	4.00	2.68	1.01	3.90	2.64	1.06	3.74	2.58	1.14		

Heating: 220 - 240V 50Hz

AFR	10.8
-----	------

Indoor Temperature		Outdoor Temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
[°C]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1.90	0.68	2.29	0.72	2.67	0.76	3.06	0.99	4.14	1.05	4.50	1.08
20		1.79	0.71	2.17	0.74	2.56	0.77	2.95	1.02	4.00	1.07	4.36	1.10
22		1.74	0.72	2.13	0.75	2.51	0.79	2.90	1.02	3.94	1.08	4.31	1.12
24		1.69	0.72	2.08	0.76	2.46	0.79	2.84	1.04	3.89	1.08	4.25	1.13
25		1.67	0.73	2.05	0.76	2.44	0.80	2.83	1.04	3.86	1.09	4.22	1.13
27		1.62	0.73	2.01	0.77	2.39	0.81	2.78	1.05	3.81	1.10	4.17	1.14

SYMBOLS

AFR : Air flow rate (m³/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. shows nominal (rated) capacities and power input.
2. TC, PI and SHC must be calculated by interpolation using the figures in the above tables.
3. Capacities are based on the following conditions:
 Corresponding refrigerant piping length : 7.5m
 Level difference : 0.0m

3D121063

FTXC50B / RXC50B

Cooling: 220 - 240V 50Hz

AFR	12.2
BF	0.16

Indoor Temperature		Outdoor Temperature [°C DB]																			
EWB	EDB	20			25			30			32			35			40				
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14	20	5.23	3.65	1.19	4.98	3.53	1.30	4.75	3.42	1.41	4.65	3.37	1.46	4.51	3.30	1.54	4.27	3.18	1.65		
16	22	5.47	3.59	1.20	5.22	3.47	1.31	4.98	3.37	1.43	4.89	3.33	1.47	4.75	3.25	1.54	4.51	3.16	1.66		
18	25	5.70	3.74	1.20	5.47	3.65	1.32	5.22	3.54	1.43	5.13	3.50	1.48	4.98	3.44	1.55	4.74	3.34	1.66		
19	27	5.81	3.93	1.20	5.58	3.83	1.32	5.33	3.74	1.43	5.24	3.70	1.48	5.10	3.64	1.55	4.87	3.55	1.67		
22	30	6.16	3.79	1.22	5.93	3.70	1.33	5.69	3.62	1.44	5.60	3.59	1.49	5.45	3.53	1.56	5.22	3.45	1.68		
24	32	6.40	3.69	1.23	6.16	3.61	1.34	5.93	3.53	1.46	5.83	3.50	1.50	5.69	3.45	1.57	5.45	3.37	1.69		

Heating: 220 - 240V 50Hz

AFR	12.2
-----	------

Indoor Temperature		Outdoor Temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		2.67	0.97	3.22	1.02	3.76	1.08	4.30	1.40	5.81	1.48	6.32	1.53
20		2.52	1.00	3.05	1.05	3.59	1.10	4.14	1.44	5.62	1.52	6.13	1.56
22		2.44	1.01	2.99	1.06	3.53	1.11	4.07	1.45	5.54	1.52	6.05	1.58
24		2.38	1.02	2.92	1.08	3.46	1.12	4.00	1.47	5.46	1.53	5.97	1.59
25		2.34	1.03	2.88	1.08	3.43	1.13	3.98	1.48	5.43	1.55	5.93	1.60
27		2.28	1.03	2.82	1.09	3.36	1.14	3.90	1.48	5.35	1.56	5.86	1.61

Symbols

AFR : Air flow rate (m³/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. shows nominal (rated) capacities and power input.
2. TC, PI and SHC must be calculated by interpolation using the figures in the above tables.
3. Capacities are based on the following conditions.
 Corresponding refrigerant piping length : 7.5m
 Level difference : 0.0m

3D121072

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXC60B / RXC60B

Cooling: 220 - 240V 50Hz

AFR	20.4
BF	0.13

Indoor Temperature		Outdoor Temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	6.38	4.94	1.45	6.09	4.78	1.59	5.80	4.63	1.72	5.68	4.57	1.78	5.51	4.47	1.87	5.22	4.31	2.01
16	22	6.68	4.86	1.46	6.38	4.70	1.59	6.08	4.56	1.74	5.98	4.51	1.80	5.80	4.41	1.87	5.51	4.28	2.02
18	25	6.96	5.07	1.47	6.68	4.94	1.61	6.38	4.79	1.74	6.27	4.74	1.80	6.08	4.65	1.89	5.79	4.53	2.03
19	27	7.10	5.33	1.47	6.81	5.19	1.61	6.52	5.07	1.74	6.40	5.01	1.80	6.23	4.93	1.89	5.94	4.81	2.04
22	30	7.53	5.13	1.48	7.24	5.01	1.62	6.95	4.90	1.76	6.83	4.86	1.82	6.66	4.78	1.91	6.38	4.67	2.05
24	32	7.82	4.99	1.49	7.53	4.89	1.63	7.24	4.78	1.78	7.12	4.74	1.83	6.95	4.67	1.91	6.66	4.56	2.06

Heating: 220 - 240V 50Hz

AFR	20.4
-----	------

Indoor Temperature		Outdoor Temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		3.04	1.08	3.66	1.13	4.28	1.19	4.90	1.56	6.62	1.65	7.20	1.70
20		2.87	1.11	3.47	1.16	4.09	1.22	4.71	1.60	6.40	1.68	6.98	1.73
22		2.78	1.13	3.40	1.18	4.02	1.23	4.63	1.61	6.31	1.69	6.89	1.75
24		2.71	1.13	3.33	1.19	3.94	1.25	4.55	1.63	6.22	1.70	6.80	1.77
25		2.67	1.14	3.28	1.19	3.91	1.25	4.53	1.64	6.18	1.71	6.75	1.77
27		2.60	1.15	3.21	1.21	3.82	1.27	4.44	1.65	6.09	1.73	6.67	1.79

Symbols

AFR : Air flow rate (m³/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. shows nominal (rated) capacities and power input.
2. TC, PI and SHC must be calculated by interpolation using the figures in the above tables.
3. Capacities are based on the following conditions.
 Corresponding refrigerant piping length : 7.5m
 Level difference : 0.0m

3D121073

FTXC71B / RXC71B

Cooling: 220 - 240V 50Hz

AFR	20.4
BF	0.13

Indoor Temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	7.28	5.05	1.82	6.94	4.89	2.00	6.61	4.73	2.17	6.48	4.67	2.24	6.28	4.57	2.36	5.94	4.41	2.53
16	22	7.61	4.97	1.84	7.27	4.80	2.01	6.93	4.66	2.19	6.81	4.61	2.26	6.61	4.51	2.36	6.28	4.37	2.54
18	25	7.93	5.18	1.85	7.61	5.05	2.03	7.27	4.90	2.20	7.14	4.84	2.27	6.93	4.76	2.38	6.60	4.63	2.55
19	27	8.09	5.45	1.85	7.76	5.31	2.03	7.43	5.18	2.20	7.30	5.12	2.27	7.10	5.04	2.38	6.77	4.92	2.57
22	30	8.58	5.25	1.87	8.26	5.12	2.05	7.92	5.01	2.22	7.79	4.97	2.29	7.59	4.89	2.40	7.27	4.77	2.58
24	32	8.91	5.10	1.88	8.58	5.00	2.05	8.26	4.89	2.24	8.12	4.85	2.31	7.92	4.77	2.41	7.59	4.66	2.59

Heating: 220 - 240V 50Hz

AFR	20.4
-----	------

Indoor Temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		3.80	1.57	4.58	1.66	5.35	1.75	6.13	2.28	8.27	2.41	9.00	2.49
20		3.58	1.62	4.34	1.70	5.12	1.78	5.89	2.35	8.00	2.46	8.73	2.54
22		3.48	1.65	4.25	1.73	5.02	1.81	5.79	2.36	7.88	2.47	8.62	2.56
24		3.38	1.65	4.16	1.75	4.92	1.83	5.69	2.38	7.78	2.49	8.51	2.59
25		3.34	1.67	4.10	1.75	4.88	1.83	5.66	2.40	7.73	2.51	8.44	2.60
27		3.25	1.68	4.02	1.78	4.78	1.85	5.55	2.41	7.61	2.54	8.34	2.62

Symbols

AFR : Air flow rate (m³/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:

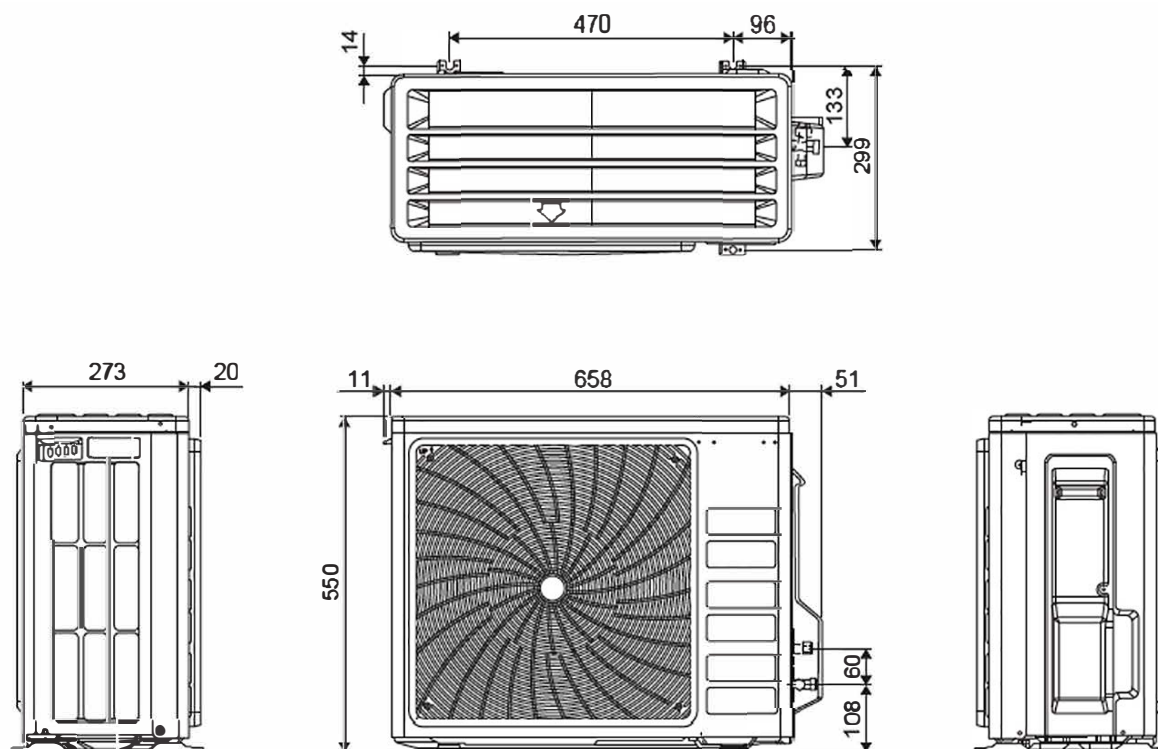
1. shows nominal (rated) capacities and power input.
2. TC, PI and SHC must be calculated by interpolation using the figures in the above tables.
3. Capacities are based on the following conditions.
 Corresponding refrigerant piping length : 7.5m
 Level difference : 0.0m

3D121397

5 Dimensional drawings

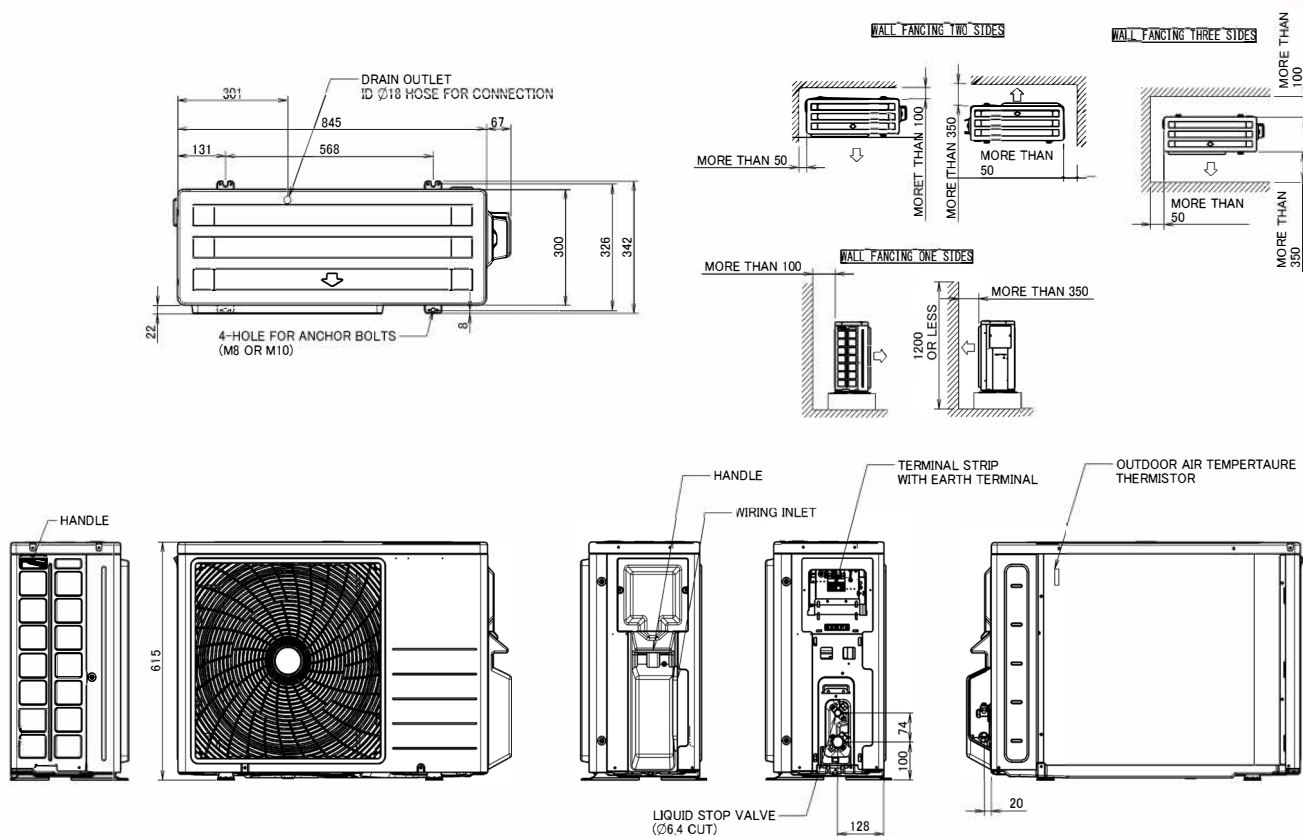
5 - 1 Dimensional Drawings

RXC20-35B



20190222

RXC50-60B



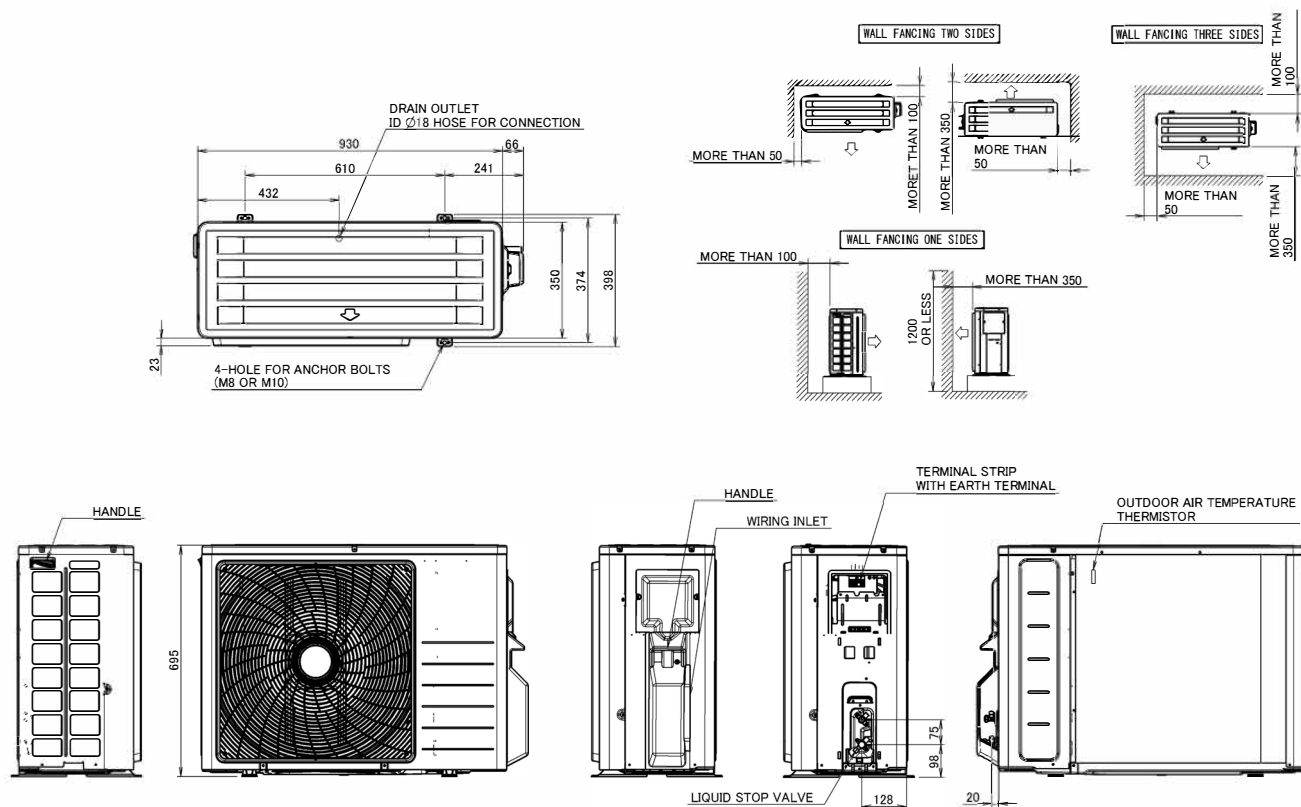
3D117130A

5 Dimensional drawings

5 - 1 Dimensional Drawings

RXC71B

5

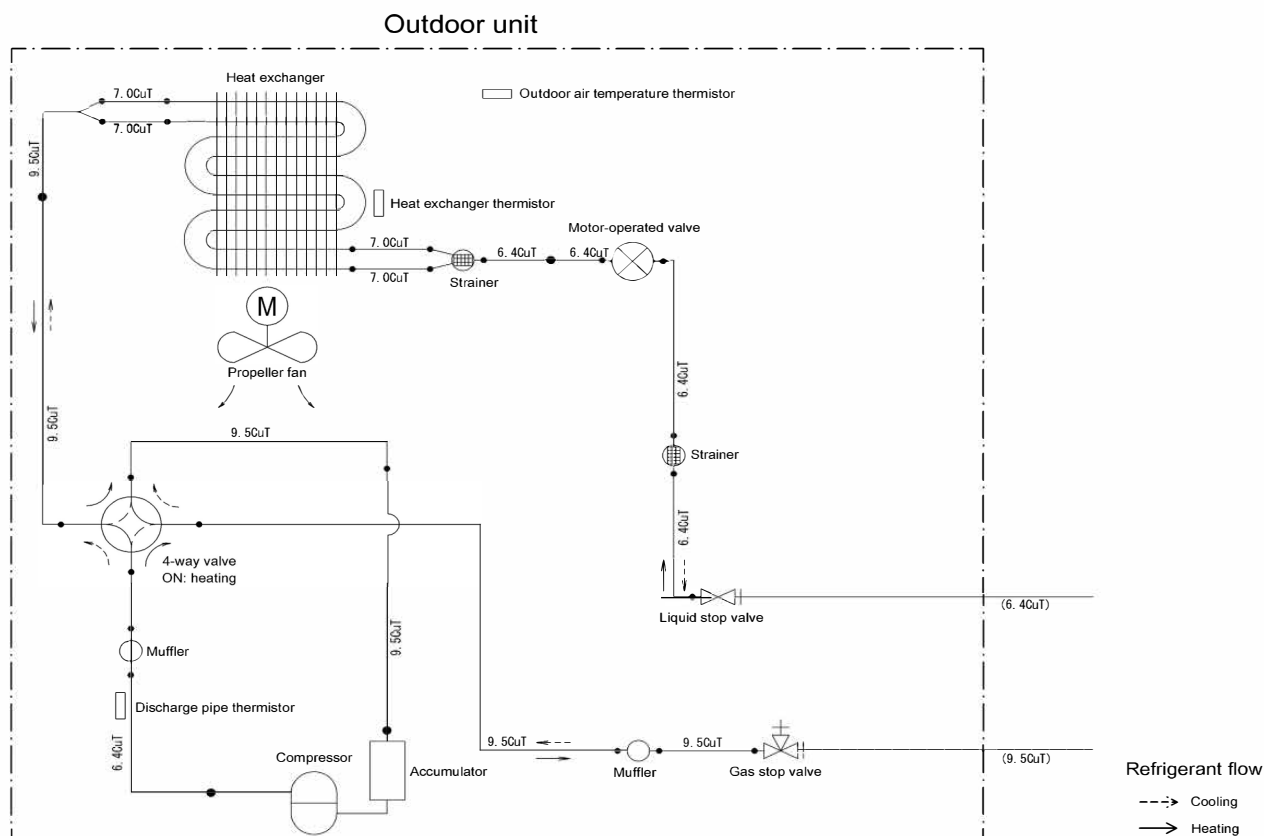


3D121403

6 Piping diagrams

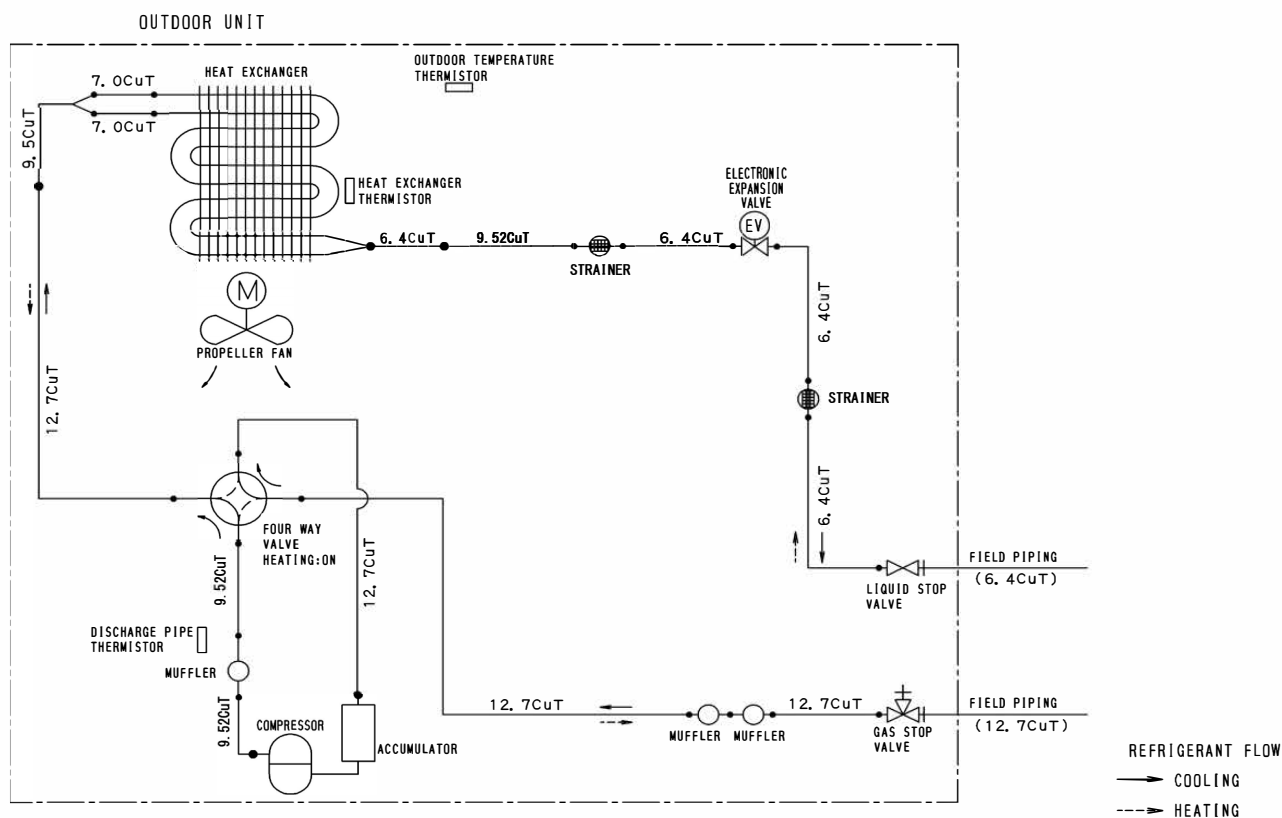
6 - 1 Piping Diagrams

RXC20-35B



3D120828

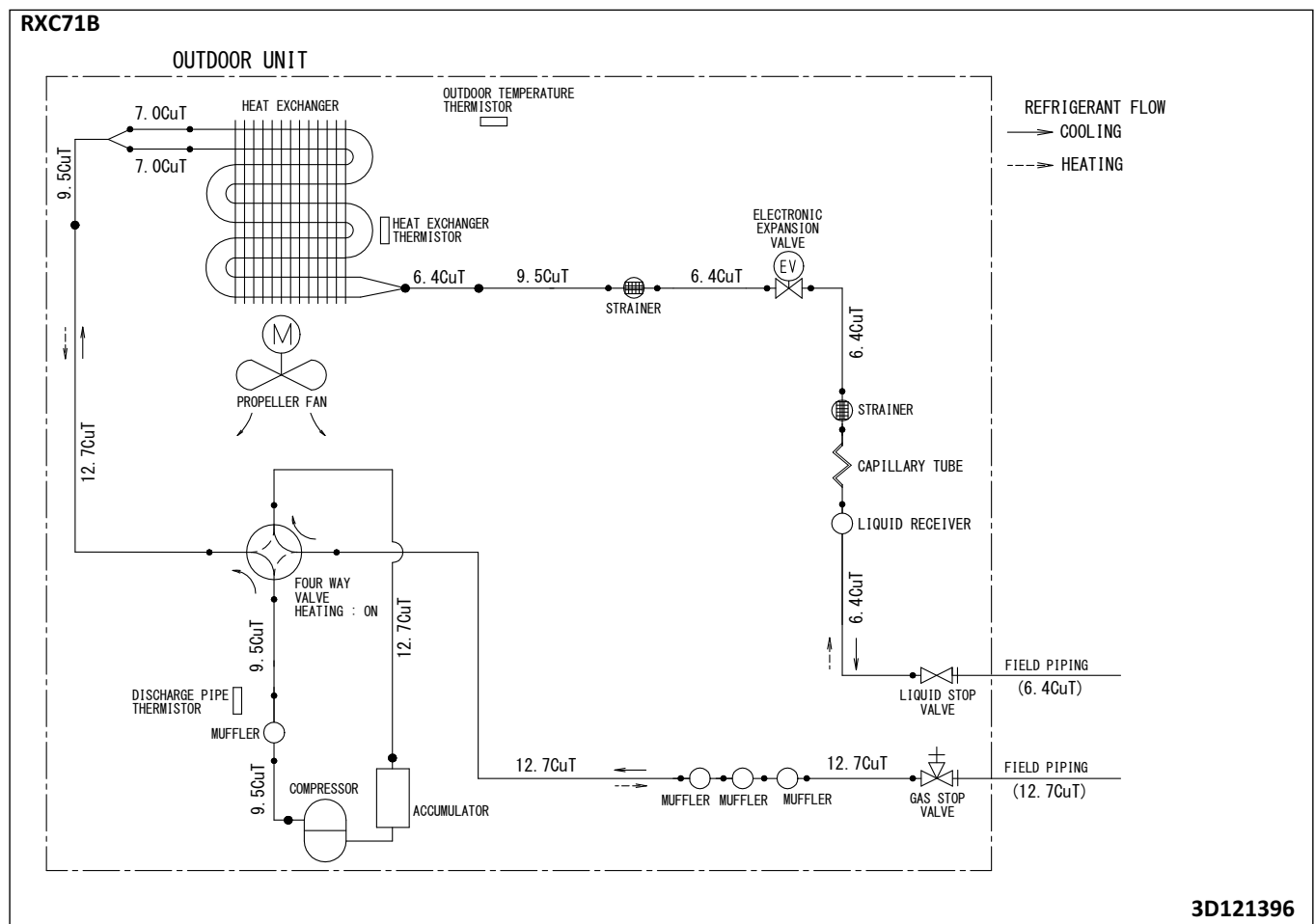
RXC50-60B



3D120827

6 Piping diagrams

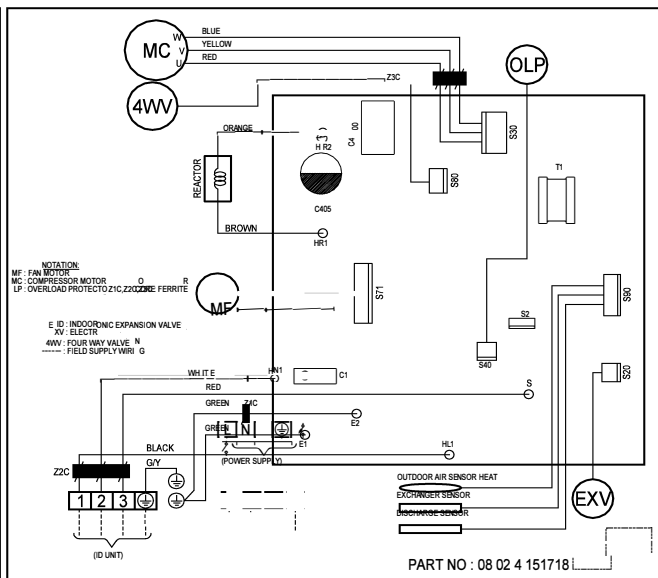
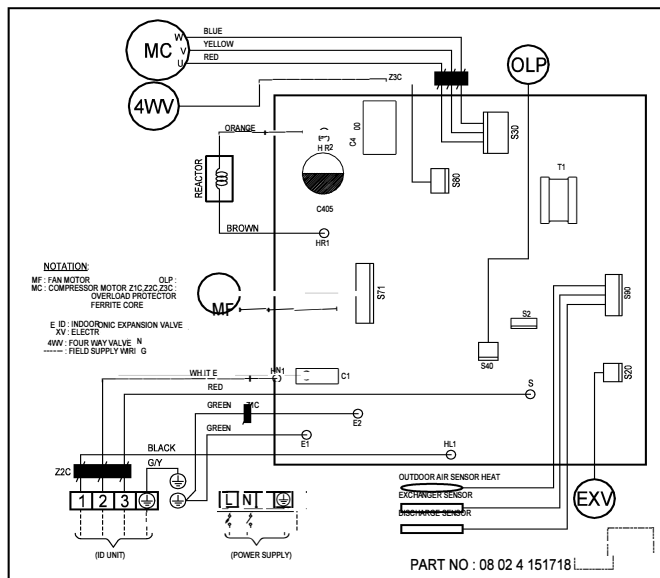
6 - 1 Piping Diagrams



7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

RXC20-35B

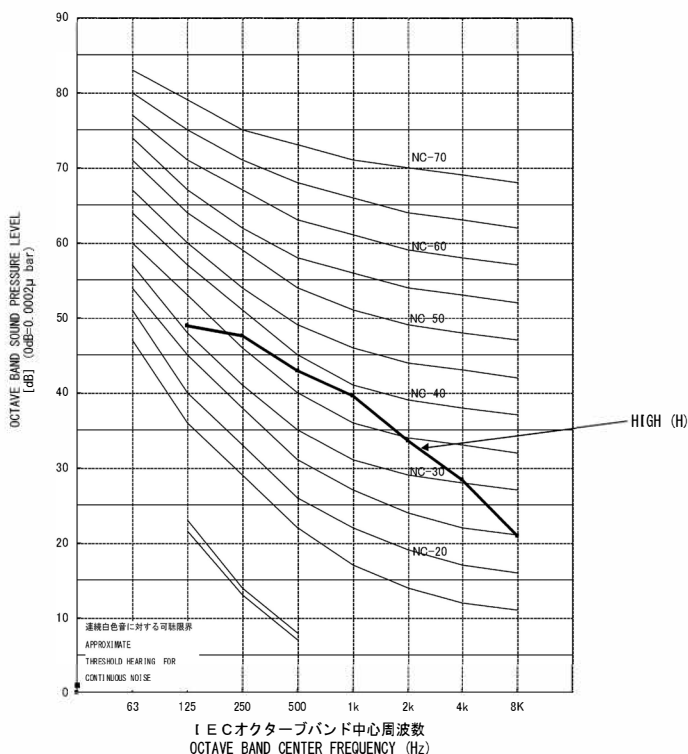


R08024151718

8 Sound data

8 - 1 Sound Pressure Spectrum

RXC20-25B



Testing Data Input								Overall (dBA)	Noise Criteria
Fan speed	125	250	500	1k	2k	4k	8K		
H	49	47	43	40	33	28	21	45	39

測定場所 MEASURING PLACE

無響室
ANECHOIC CHAMBER

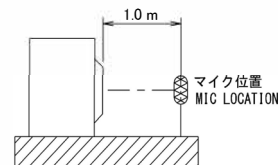
注) 運転音は、運転条件、周囲の状態等によって異なります。
NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

運転条件 OPERATING CONDITIONS

電源 POWER SOURCE 200-240V 50Hz
JIS標準 STANDARD

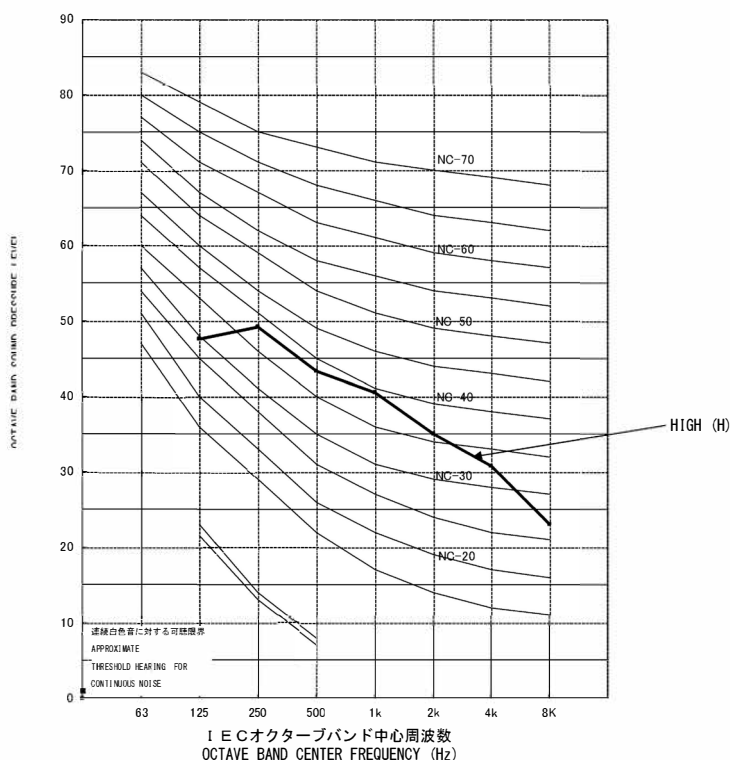
マイクロホン位置 LOCATION OF MICROPHONE

JISC9612 運転音測定方法による。
THE OPERATION NOISE MEASURING METHOD IS IN ACCORDANCE WITH JISC9612.



3D121137

RXC35B



Testing Data Input								Overall (dBA)	Noise Criteria
Fan speed	125	250	500	1k	2k	4k	8K		
H	47	49	43	40	35	31	23	46	40

測定場所 MEASURING PLACE

無響室
ANECHOIC CHAMBER

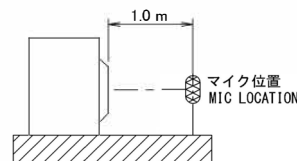
注) 運転音は、運転条件、周囲の状態等によって異なります。
NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

運転条件 OPERATING CONDITIONS

電源 POWER SOURCE 200-240V 50Hz
JIS標準 STANDARD

マイクロホン位置 LOCATION OF MICROPHONE

JISC9612 運転音測定方法による。
THE OPERATION NOISE MEASURING METHOD IS IN ACCORDANCE WITH JISC9612.

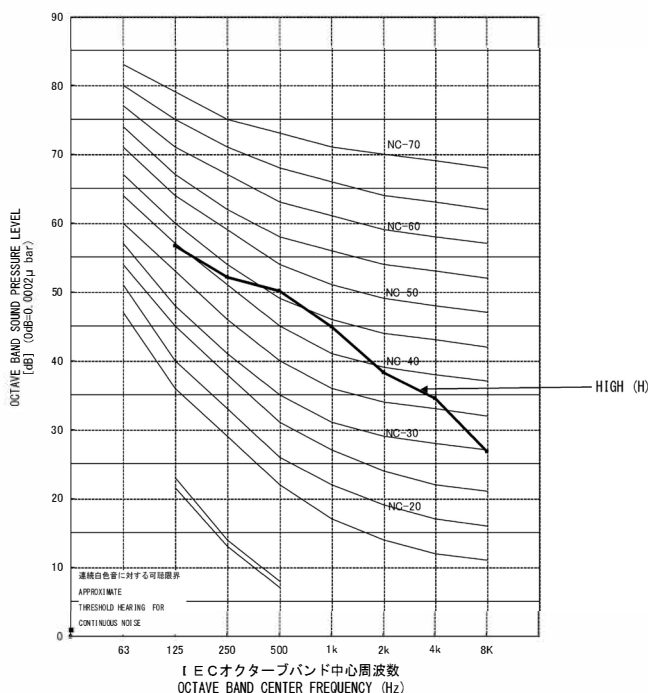


3D121138

8 Sound data

8 - 1 Sound Pressure Spectrum

RXC50B



Testing Data Input								Overall (dBA)	Noise Criteria
Fan speed	125	250	500	1k	2k	4k	8K		
H	57	52	50	45	38	34	27	51	46

測定場所 MEASURING PLACE

無響室
ANECHOIC CHAMBER

注) 運転音は、運転条件、周囲の状態等によって変わります。

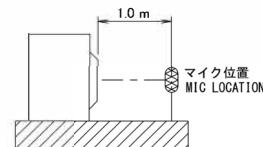
NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

運転条件 OPERATING CONDITIONS

電源
POWER SOURCE 200-240V 50Hz
JIS標準
STANDARD

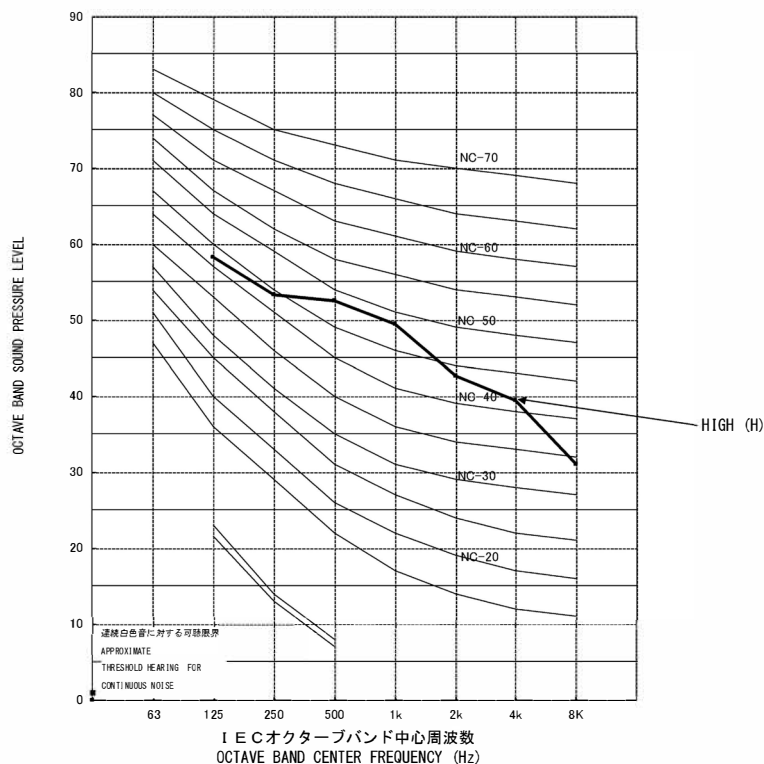
マイクロホン位置 LOCATION OF MICROPHONE

JIS C 9612 運転音測定方法による。
THE OPERATION NOISE MEASURING METHOD IS IN ACCORDANCE WITH JIS C 9612.



3D118144A

RXC60B



Testing Data Input								Overall (dBA)	Noise Criteria
Fan speed	125	250	500	1k	2k	4k	8K		
H	58	53	52	49	43	39	31	54	49

測定場所 MEASURING PLACE

無響室
ANECHOIC CHAMBER

注) 運転音は、運転条件、周囲の状態等によって変わります。

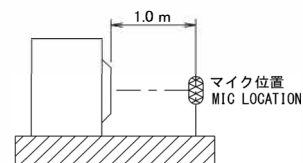
NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

運転条件 OPERATING CONDITIONS

電源
POWER SOURCE 200-240V 50Hz
JIS標準
STANDARD

マイクロホン位置 LOCATION OF MICROPHONE

JIS C 9612 運転音測定方法による。
THE OPERATION NOISE MEASURING METHOD IS IN ACCORDANCE WITH JIS C 9612.

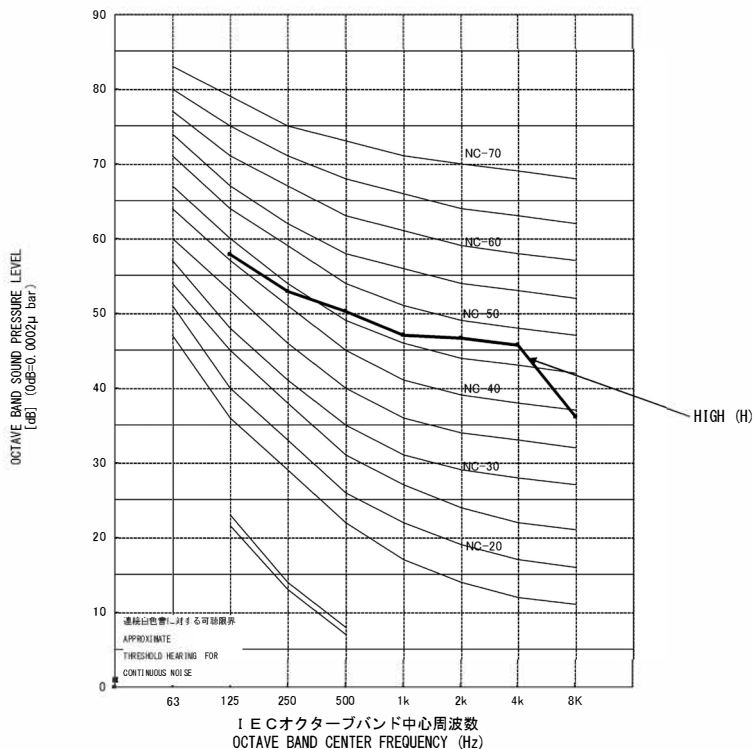


3D121139

8 Sound data

8 - 1 Sound Pressure Spectrum

RXC71B



Testing Data Input								Overall (dBA)	Noise Criteria
Fan speed	125	250	500	1k	2k	4k	8K		
H	58	53	50	47	47	46	36	54	48

測定場所 MEASURING PLACE

無響室
ANECHOIC CHAMBER

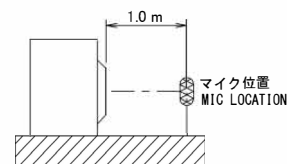
注) 運転音は、運転条件、周囲の状態等によって変わります。
NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

運転条件 OPERATING CONDITIONS

電源
POWER SOURCE 200-240V 50Hz
JIS標準
STANDARD

マイクロホン位置 LOCATION OF MICROPHONE

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3D121445

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