Air Conditioning Technical Data

RXF-D

EEDEN22

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RXF-D

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› Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
› Daikin outdoor units are equipped with an anti-corrosion treated heat exchanger (blue fin) which ensures greater resistance to the most severe weather conditions
› Outdoor units for pair application
› 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
Inverter

2 Specifications

1 - 1 RXF-D

Technical specifications				FTXF20D + RXF20D	FTXF25D + RXF25D	FTXF35D + RXF35D	FTXF42D + RXF42D
Indoor unit				FTXF20D5V1B	FTXF25D5V1B	FTXF35D5V1B	FTXF42D5V1B
Outdoor unit				RXF20D5V1B	RXF25D5V1B	RXF35D5V1B	RXF42D5V1B
Cooling capacity	Min.		kW	1.3			1.4
	Min.		Btu/h	4,400.0			4,800.0
	Min.		kcal/h	1,118.0			1,204.0
	Nom.		kW	2.00	2.50	3.30	4.20
	Nom.		Btu/h	6,800.0	8,500.0	11,300	14,300
	Nom.		kcal/h	1,720.0	2,150.0	2,838.0	3,611.0
	Max.		kW	2.4	2.8	3.8	4.3
	Max.		Btu/h	8,200.0	9,600.0	12,800.0	14,700.0
	Max.		kcal/h	2,064.0	2,408.0	3,224.0	3,697.0
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-			
	Max.		kcal/h	-			
Heating capacity	Min.		kW	1.30			1.40
	Min.		Btu/h	4,400.0			4,800.0
	Min.		kcal/h	1,118.0			1,204.0
	Nom.		kW	2.40	2.80	3.50	4.60
	Nom.		Btu/h	8,200.0	9,600.0	11,900	15,700
	Nom.		kcal/h	2,064.0	2,408.0	3,010.0	3,955.0
	Max.		kW	3.30	3.70	4.40	5.00
	Max.		Btu/h	11,300.0	12,600.0	15,000.0	17,100.0
	Max.		kcal/h	2,838.0	3,181.0	3,783.0	4,300.0
Power input	Cooling	Min.	kW	0.31			
		Nom.	kW	0.592	0.772	1.00	1.27
		Max.	kW	0.72	1.05	1.40	1.50
	Heating	Min.	kW	0.25			
		Nom.	kW	0.640	0.750	0.940	1.24
		Max.	kW	0.95	1.11	1.50	1.40
Nominal efficiency	EER			3.38	3.24	3.30	
	COP			3.75	3.73	3.72	3.71
	Energy labeling Directive	Cooling		A			
		Heating		A			
Space cooling	Energy efficiency class			A++			
	Capacity	Pdesign	kW	2.00	2.50	3.50	4.20
	SEER			6.50			
	Annual energy consumption		kWh/a	108	135	188	226
Space heating (Average climate)	Capacity	Pdesign	kW	2.20	2.40	2.60	3.30
	Energy efficiency class			A+			
	SCOP/A			4.11			4.30
	SCOPnet/A			4.15	4.16		4.36
	Pdh Heating capacity at -10°		kW	1.91	2.00	2.22	2.61
	Annual energy consumption		kWh/a	749	818	885	1,075
	Required back up heating cap at design conditions		kW	0.290	0.400	0.380	0.690
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.18	1.29	1.40	1.78
	Energy efficiency class			A+++	A++		A+++
	SCOP			5.20	5.00	4.87	5.35
	SCOPnet			5.28	5.26	5.13	5.72
	Annual energy consumption		kWh/a	321	361	402	466
	Required back up heating cap at design conditions		kW	0.00			
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.50	4.20
		EERd		3.35	3.30	3.10	3.30
		Power input	kW	0.597	0.758	1.13	1.27
	B Condition (30°C - 27/19)	Pdc	kW	1.47	1.84	2.58	3.09
		EERd		5.10	4.91	4.64	4.70
		Power input	kW	0.288	0.375	0.556	0.657
	C Condition (25°C - 27/19)	Pdc	kW	0.950	1.18	1.66	1.99
		EERd		8.52	8.41	8.55	7.91
		Power input	kW	0.112	0.140	0.194	0.252
	D Condition (20°C - 27/19)	Pdc	kW	1.25			1.35
		EERd		11.7			12.8
		Power input	kW	0.107			0.105

2 Specifications

1 - 1 RXF-D

Technical specifications					FTXF20D + RXF20D	FTXF25D + RXF25D	FTXF35D + RXF35D	FTXF42D + RXF42D
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	1.71		2.05	2.10
		COPd (declared COP)			2.47		2.02	2.06
		Power input		kW	0.692		1.01	1.02
	TBivalent	Tbiv (bivalent temperature)		°C	-7.0			
		Pdh (declared heating cap)		kW	1.95	2.12	2.30	2.92
		COPd (declared COP)			2.78	2.75		2.70
		Power input		kW	0.701	0.771	0.875	1.08
	A Condition (-7°C)	Pdh (declared heating cap)		kW	1.95	2.12	2.30	2.92
		COPd (declared COP)			2.78	2.75		2.70
		Power input		kW	0.701	0.771	0.875	1.08
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.18	1.29	1.40	1.78
Space heating (Average climate)	B Condition (2°C)	COPd (declared COP)			4.11		4.14	4.36
		Power input		kW	0.287	0.314	0.338	0.408
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.900		1.00	1.14
		COPd (declared COP)			5.15		5.40	5.50
		Power input		kW	0.175		0.185	0.207
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.00		0.700	1.10
		COPd (declared COP)			6.57		5.80	7.10
		Power input		kW	0.152		0.121	0.155
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	1.71		2.05	2.10
		COPd (declared COP)			2.47		2.02	2.06
		Power input		kW	0.692		1.01	1.02
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.18	1.29	1.40	1.78
		COPd (declared COP)			4.17	4.11	4.13	4.36
		Power input		kW	0.283	0.314	0.339	0.408
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.18	1.29	1.40	1.78
		COPd (declared COP)			4.17	4.11	4.14	4.36
		Power input		kW	0.283	0.314	0.338	0.408
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.900		1.00	1.14
		COPd (declared COP)			5.08	5.15	5.40	5.50
		Power input		kW	0.177	0.175	0.185	0.207
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.00		0.700	1.10
		COPd (declared COP)			7.06	6.57	5.80	7.10
		Power input		kW	0.142	0.152	0.121	0.155
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.00			
	Off mode	POFF		W	1.00			
	Standby mode	Cooling	PSB	W	1.00			
		Heating	PSB	W	1.0			
	Thermostat-off mode	PTO	Cooling	W	23	24	29	40
			Heating	W	23		29	40
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	Yes	No	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	60		61	
	Sound power level indoor	Cooling	Nom.	dBA	53	54		59
	Piping length	Cooling	Measuring condition	m	5.0			

Technical specifications	FTXF50D + RXF50D	FTXF60D + RXF60D	FTXF71D + RXF71D
Indoor unit	FTXF50D2V1B	FTXF60D2V1B	FTXF71D2V1B
Outdoor unit	RXF50D5V1B	RXF60D5V1B	RXF71D5V1B

2 Specifications

1 - 1 RXF-D

Technical specifications				FTXF50D + RXF50D	FTXF60D + RXF60D	FTXF71D + RXF71D
Cooling capacity	Min.		kW	1.70		2.30
	Min.		Btu/h	5,800		7,800
	Min.		kcal/h	1,462		1,978
	Nom.		kW	5.00	6.00	7.10
	Nom.		Btu/h	17,100	20,500	24,200
	Nom.		kcal/h	4,299	5,159	6,105
	Max.		kW	6.00	7.00	7.30
	Max.		Btu/h	20,500	23,900	24,900
	Max.		kcal/h	5,159	6,019	6,277
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-		
	Max.		kcal/h	-		
Heating capacity	Min.		kW	1.70		2.30
	Min.		Btu/h	5,800		7,800
	Min.		kcal/h	1,500		2,000
	Nom.		kW	6.00	6.40	8.20
	Nom.		Btu/h	20,500	21,800	28,000
	Nom.		kcal/h	5,159	5,503	7,051
	Max.		kW	7.70	8.00	9.00
	Max.		Btu/h	26,300	27,300	30,700
	Max.		kcal/h	6,621	6,879	7,739
Power input	Cooling	Nom.	kW	1.50	1.85	2.77
	Heating	Nom.	kW	1.62	1.63	2.21
Nominal efficiency	EER			3.33	3.25	2.56
	COP			3.71	3.93	3.15
	Annual energy consumption		kWh	751	923	1,387
	Energy labeling Directive	Cooling		A		E
		Heating		A		
Space cooling	Energy efficiency class			A++		A
	Capacity	Pdesign	kW	5.00	6.00	7.10
	SEER			6.21	6.15	5.15
	Annual energy consumption		kWh/a	282	342	483
Space heating (Average climate)	Capacity	Pdesign	kW	4.60	4.80	6.20
	Energy efficiency class			A+		A
	SCOP/A			4.06		3.81
Space heating (Average climate)	SCOPnet/A			4.09		3.84
	Pdh Heating capacity at -10°		kW	4.07	4.24	5.02
	Annual energy consumption		kWh/a	1,585	1,654	2,275
	Required back up heating cap at design conditions		kW	0.53	0.56	1.18
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.48	2.59	3.34
	Energy efficiency class			A+++		
	SCOP			5.31	5.17	5.23
	SCOPnet			5.39	5.24	5.29
	Annual energy consumption		kWh/a	654	702	894
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00	6.00	7.10
		EERd		3.33	3.25	2.56
		Power input	kW	1.50	1.85	2.77
	B Condition (30°C - 27/19)	Pdc	kW	3.69	4.43	5.24
		EERd		4.67	4.17	3.98
		Power input	kW	0.79	1.06	1.32
	C Condition (25°C - 27/19)	Pdc	kW	2.37	2.85	3.37
		EERd		6.92	7.21	6.14
		Power input	kW	0.34	0.40	0.55
	D Condition (20°C - 27/19)	Pdc	kW	2.12	2.39	2.60
		EERd		11.68	12.05	8.11
		Power input	kW	0.18	0.20	0.32

2 Specifications

1 - 1 RXF-D

Technical specifications					FTXF50D + RXF50D	FTXF60D + RXF60D	FTXF71D + RXF71D
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	4.07	4.22	4.24
		COPd (declared COP)			2.06	2.33	2.24
		Power input		kW	1.98	1.81	1.89
	TBivalent	Tbiv (bivalent temperature)		°C	-7		
		Pdh (declared heating cap)		kW	4.07	4.25	5.49
		COPd (declared COP)			2.71	2.22	
		Power input		kW	1.50	1.91	2.47
	A Condition (-7°C)	Pdh (declared heating cap)		kW	4.07	4.25	5.49
		COPd (declared COP)			2.71	2.22	
		Power input		kW	1.50	1.91	2.47
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.48	2.59	3.34
		COPd (declared COP)			3.98	4.28	3.91
		Power input		kW	0.62	0.61	0.85
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.60	1.67	2.15
Space heating (Average climate)	C Condition (7°C)	COPd (declared COP)			5.13	5.24	4.72
		Power input		kW	0.31	0.32	0.46
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.79	2.03	1.55
		COPd (declared COP)			6.91	6.41	6.74
		Power input		kW	0.26	0.32	0.23
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	4.07	4.22	4.24
		COPd (declared COP)			2.06	2.33	2.24
		Power input		kW	1.98	1.81	1.89
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	2.48	2.59	3.34
		COPd (declared COP)			3.98	4.28	3.91
		Power input		kW	0.62	0.61	0.85
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.48	2.59	3.34
		COPd (declared COP)			3.98	4.28	3.91
		Power input		kW	0.62	0.61	0.85
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.60	1.67	2.15
		COPd (declared COP)			5.13	5.24	4.72
		Power input		kW	0.31	0.32	0.46
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.79	2.03	1.55
		COPd (declared COP)			6.91	6.41	6.74
		Power input		kW	0.26	0.32	0.23
Power consumption in other than active mode	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
		Heating	PSB	W	1		
	Thermostat-off mode	PTO	Cooling	W	12		14
			Heating	W	13		14
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		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	63	66
	Sound power level indoor	Cooling	Nom.	dBA	59	60	62
	Piping length	Cooling	Measuring condition	m	5.00		

Electrical specifications				FTXF20D + RXF20D	FTXF25D + RXF25D	FTXF35D + RXF35D	FTXF42D + RXF42D	FTXF50D + RXF50D	FTXF60D + RXF60D
Power factor	Nominal	Cooling	%	-				94.60	99.10
		Heating	%	-				96.30	98.30
Current	Nominal running current (RLA) - 50Hz	Heating	A	-				7.30	7.20
Current - 50Hz	Maximum fuse amps (MFA)		A	-				20.00	
Current	Nominal running current (RLA)	Cooling	A	-				6.90	8.10

2 Specifications

1 - 1 RXF-D

Electrical specifications				FTXF71D + RXF71D
Power factor	Nominal	Cooling	%	98.80
		Heating	%	98.40
Current	Nominal running current (RLA) - 50Hz	Heating	A	11.50
Current - 50Hz	Maximum fuse amps (MFA)		A	20.00
Current	Nominal running current (RLA)	Cooling	A	12.20

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified |
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. Data for standard efficiency series |
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 operation range |
See separate drawing for electrical data

Technical Specifications					RXF20D	RXF25D	RXF35D	RXF42D
Casing	Colour				Ivory white			
Dimensions	Unit	Height		mm	550			
		Width		mm	658			
		Depth		mm	275			
	Packed unit	Height		mm	630			
		Width		mm	790			
		Depth		mm	400			
Weight	Unit			kg		24.0		28.0
	Packed unit			kg		26		30
Packing	Weight			kg		2		
Heat exchanger	Length			mm		670		647
	Rows	Quantity				1		2
	Fin pitch			mm		1.40		
	Stages	Quantity				24		
	Tube type					ø7 Hi-XD		
	Tube material					Copper		
	Fin	Type				Waffle Hydrophilic Blue		
Fan	Type					Propeller		
	Air flow rate	Cooling	High	m^3/min	27.6	29.0		28.5
				cfm	975	1,024		1,006
		Heating	High	m^3/min	27.1	28.0		27.5
				cfm	957	990		971
Fan motor	Model					DFC04A1VA		ZWA138S28A
	Insulation grade					Class "E"		
	Output			W		41		26
	Speed	Cooling	High	rpm	840	900		
			Low	rpm		700		
		Heating	High	rpm	870	900		
			Low	rpm		720		
Compressor	Model					1Y078BKAX1P#D		1YC25KXD#D
	Oil Amount			cm^3		400		375
	Type					Hermetically sealed swing compressor		
	Output			W		870.0		
	Oil Type					FW68DA		
Operation range	Cooling	Ambient	Min.	°CDB		-10		
			Max.	°CDB		48		
Operation range	Heating	Ambient	Min.	°CWB		-15		
				°CDB		-15		
			Max.	°CWB		18		
				°CDB		24		
Sound power level	Heating	Nom.		dBA	60.0		62.0	
Sound pressure level	Cooling	High		dBA	46.0		48.0	
	Heating	High		dBA	47.0		48.0	
Refrigerant	Type					R-32		
	Charge			kg	0.450		0.550	0.750
	Charge			TCO2Eq	0.300		0.370	0.510
	GWP					675.0		
Piping connections	Liquid	OD		mm		6		
	Gas	OD		mm		9.50		
	Drain	OD		mm		18		
	Piping length	OU - IU	Max.	m		20		
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m		12.0		
Capacity control	Method					Variable (inverter)		

2 Specifications

1 - 1 RXF-D

Technical Specifications					RXF50D	RXF60D	RXF71D
Casing	Colour				Ivory white		
Dimensions	Unit	Height		mm	734		
		Width		mm	870		
		Depth		mm	373		
	Packed unit	Height		mm	820		
		Width		mm	1,050		
		Depth		mm	480		
Weight	Unit			kg	46.0	50.0	
	Packed unit			kg	50.0	54.0	
Packing	Weight			kg	4.0		
Heat exchanger	Length			mm	943	920	
	Rows	Quantity			1	2	
	Fin pitch			mm	1.4		
	Stages	Quantity			32		
	Passes	Quantity			2.0		
	Tube type				ø7 Hi-XD		
	Fin	Type			Waffle fin (PE)		
Fan	Type				Propeller fan		
	Air flow rate	Cooling	Nom.	m^3/min	43.2	47.8	
				cfm	1,527	1,689	
		Heating	Nom.	m^3/min	43.2	45.3	
				cfm	1,527	1,600	
Fan motor	Model				D55F-31		
	Output			W	58	81	
	Speed	Cooling	High	rpm	740	760	
			Nom.	rpm	710	740	
			Low	rpm	710	740	
		Heating	High	rpm	710	660	
			Nom.	rpm	710	660	
			Low	rpm	630	660	
Compressor	Model				2YC40JXD#C		
	Oil Amount			cm^3	650		
	Type				Hermetically sealed swing compressor		
	Output			W	1,300.0		
	Oil Type				FW68DA		
Operation range	Cooling	Ambient	Min.	°CDB	-10		
Operation range	Cooling	Ambient	Max.	°CDB	48		
	Heating	Ambient	Min.	°CWB	-15		
				°CDB	-15		
			Max.	°CWB	18		
				°CDB	24		
Sound pressure level	Cooling	Nom.		dBA	47	49	52
	Heating	Nom.		dBA	49		52
Refrigerant	Type				R-32		
	Charge			kg	0.90	1.15	
	Charge			TCO2Eq	0.61	0.78	
	GWP				675		
Piping connections	Liquid	OD		mm	6		
	Gas	OD		mm	12.7		
	Drain	OD		mm	16		
	Piping length	OU - IU	Max.	m	30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	20		
	Heat insulation				Both liquid and gas pipes		
Capacity control	Method				Variable (inverter)		

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Drain plug; Quantity: 1;

Standard accessories: Refrigerant charge label; Quantity: 1;

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

Standard accessories: General safety precautions; Quantity: 1;

Standard accessories: Drain cap (1); Quantity: 6;

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

Electrical Specifications			RXF20D	RXF25D	RXF35D	RXF42D	RXF50D	RXF60D	RXF71D
Power supply	Phase		1~						
	Frequency	Hz	50						
	Voltage	V	220-240						

2 Specifications

1 - 1 RXF-D

Electrical Specifications				RXF20D	RXF25D	RXF35D	RXF42D	RXF50D	RXF60D	RXF71D
Wiring connections	For power supply	Quantity		3						
		Remark		Earth wire included						
	For connection with indoor	Quantity		4						
		Remark		Earth wire included						
Current - 50Hz	Maximum fuse amps (MFA)		A	16				20		

See separate drawing for operation range |
See separate drawing for electrical data |
Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

ARXF-D

RXF20-42D

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXF20D5V1B	RXF20D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	8,02	16	39,0	3,2	0,024	0,171	0,029	0,41
		50	230					3,4				
		50	240					3,2				
FTXF25D5V1B	RXF25D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	8,09	16	54,0	3,5	0,033	0,235	0,029	0,41
		50	230					3,6				
		50	240					3,5				
FTXF35D5V1B	RXF35D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9,30	16	70,0	4,5	0,033	0,235	0,037	0,52
		50	230					4,7				
		50	240					4,5				
FTXF42D5V1B	RXF42D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9,38	16	78,0	5,5	0,030	0,229	0,050	0,60
		50	230					5,6				
		50	240					5,4				
ATXF20D5V1B	ARXF20D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	8,02	16	39,0	3,2	0,024	0,171	0,029	0,41
		50	230					3,4				
		50	240					3,2				
ATXF25D5V1B	ARXF25D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	8,09	16	54,0	3,5	0,033	0,235	0,029	0,41
		50	230					3,6				
		50	240					3,5				
ATXF35D5V1B	ATXF35D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9,30	16	70,0	4,5	0,033	0,235	0,037	0,52
		50	230					4,7				
		50	240					4,5				
ATXF42D5V1B	ATXF42D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9,38	16	78,0	5,5	0,030	0,229	0,050	0,60
		50	230					5,6				
		50	240					5,4				

Notes

1) The ·RLA· is based on the following conditions.
   Outdoor temperature ·35·°C DB
   Indoor temperature ·27·°C DB / ·19·°C WB
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

MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
RHz: Rated operating frequency [Hz]
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]

3D137925

RXF50-71D

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXF50A2V1B	RXF50B5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.5	20	54	7.1	0.068	0.34	0.045	0.43
		50	230					6.9				
		50	240					6.8				
FTXF60A2V1B	RXF60B5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.7	20	66	8.2	0.068	0.34	0.049	0.46
		50	230					8.1				
		50	240					8.0				
FTXF71A2V1B	RXF71A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.7	20	84	12.3	0.068	0.34	0.049	0.46
		50	230					12.2				
		50	240					12.1				
ATXF50A2V1B	ARXF50A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.5	20	54	7.1	0.068	0.34	0.045	0.43
		50	230					6.9				
		50	240					6.8				
ATXF60A2V1B	ARXF60A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.7	20	66	8.2	0.068	0.34	0.049	0.46
		50	230					8.1				
		50	240					8.0				
ATXF71A2V1B	ARXF71A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.7	20	84	12.3	0.068	0.34	0.049	0.46
		50	230					12.2				
		50	240					12.1				
FTXF50D2V1B	RXF50D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.5	20	54	7.1	0.068	0.34	0.045	0.43
		50	230					6.9				
		50	240					6.8				
FTXF60D2V1B	RXF60D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.7	20	66	8.2	0.068	0.34	0.049	0.46
		50	230					8.1				
		50	240					8.0				
FTXF71D2V1B	RXF71D5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.7	20	84	12.3	0.068	0.34	0.049	0.46
		50	230					12.2				
		50	240					12.1				

SYMBOLS

MCA	: Minimum Circuit Ampere	[A]
MFA	: Maximum Fuse Ampere	[A]
RLA	: Rated load amps	[A]
OFM	: Outdoor fan motor	
IFM	: Indoor fan motor	
RHz	: Rated operating frequency	[Hz]
FLA	: Full Load Ampere	[A]
kW	: Fan motor rated output	[kW]

NOTES

1. The RLA is based on the following conditions.
   - Outdoor temperature ·35·°C DB
   - Indoor temperature ·27·°C DB / ·19·°C WB
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.

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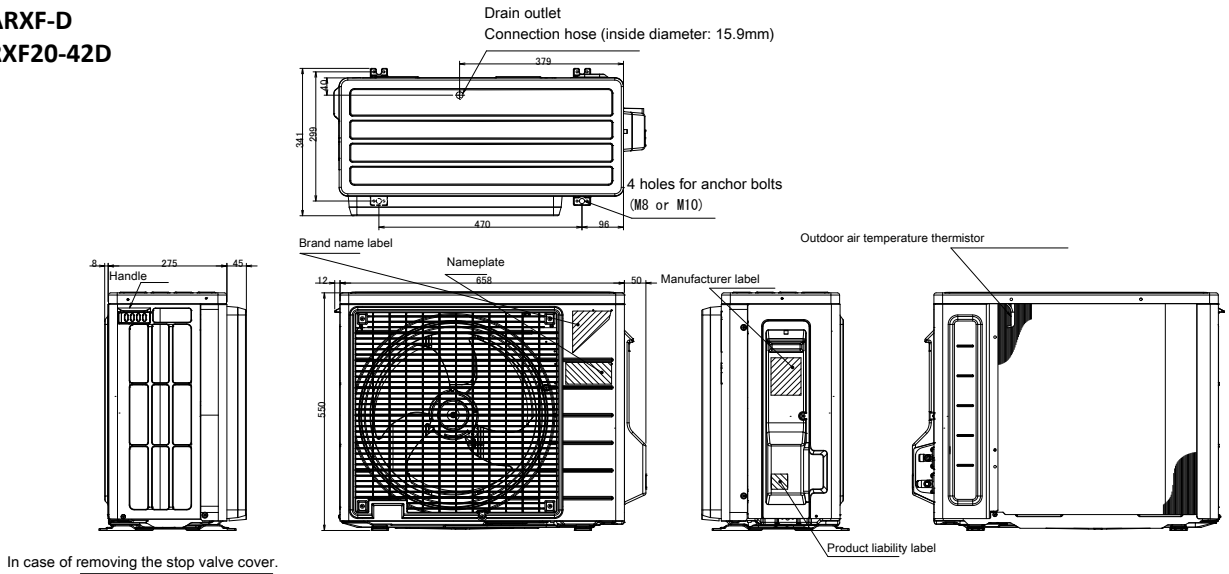
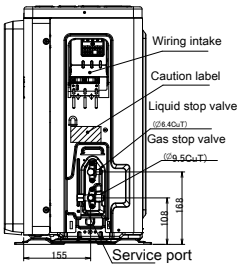
4 Dimensional drawings

4 - 1 Dimensional Drawings

ARXF-D
RXF20-42D

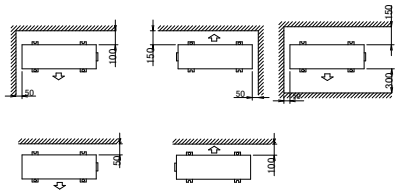


In case of removing the stop valve cover.



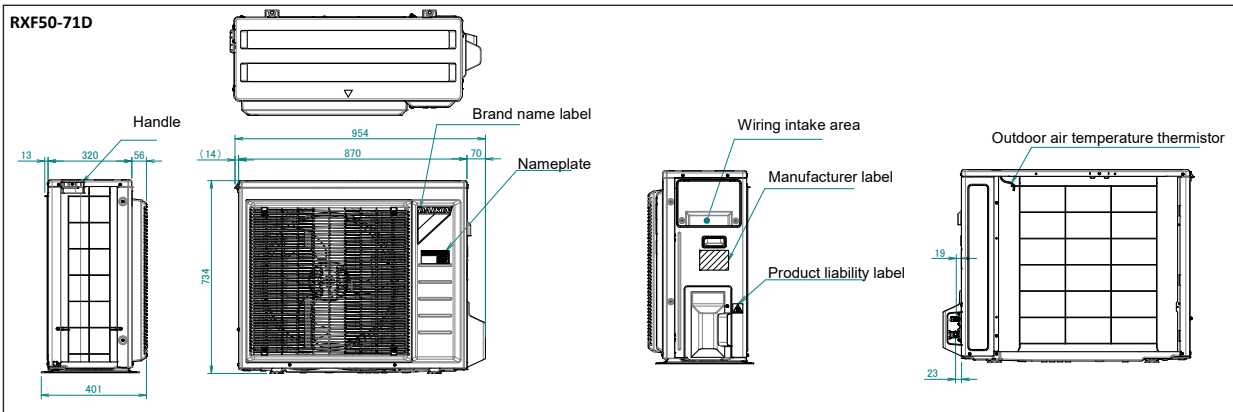
Minimum space for air passage

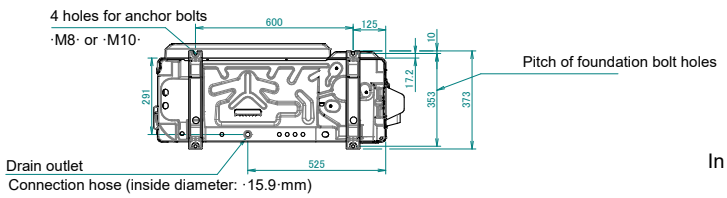
Wall height on air outlet side < 1200 mm



2D113526

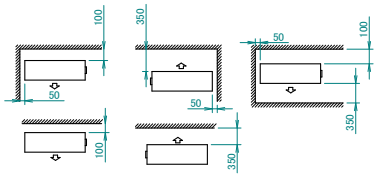
RXF50-71D



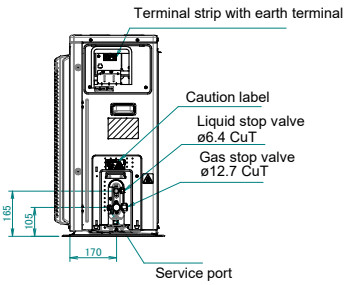


Minimum space for air passage

Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.



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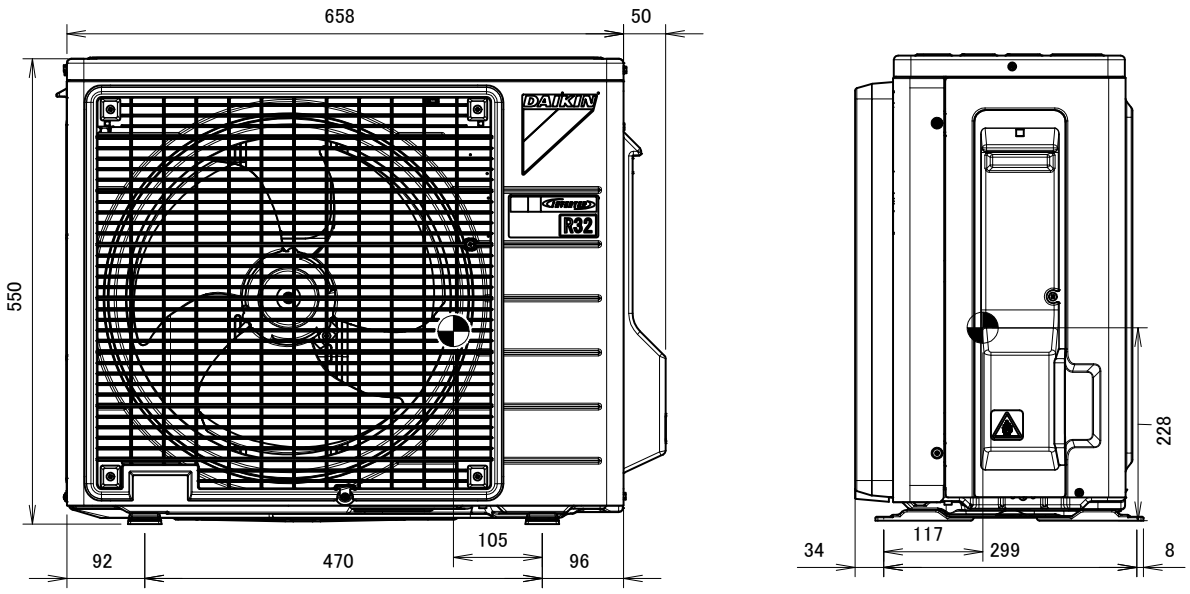
5 Centre of gravity

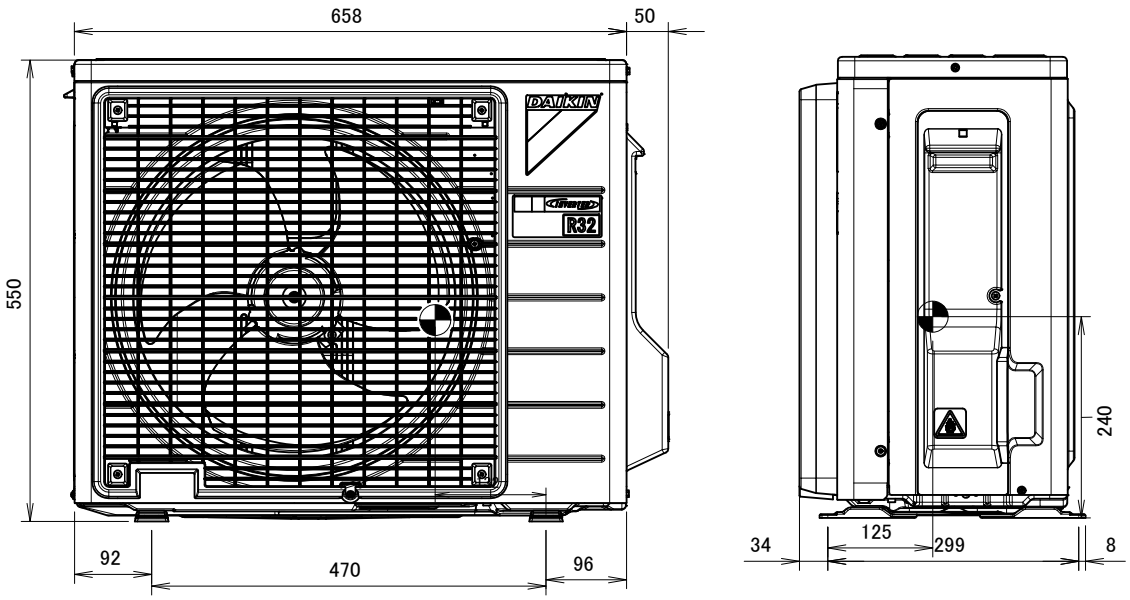
5 - 1 Centre of Gravity

ARXF20-35D
RXF20-35D



4D116239

ARXF42D
RXF42D

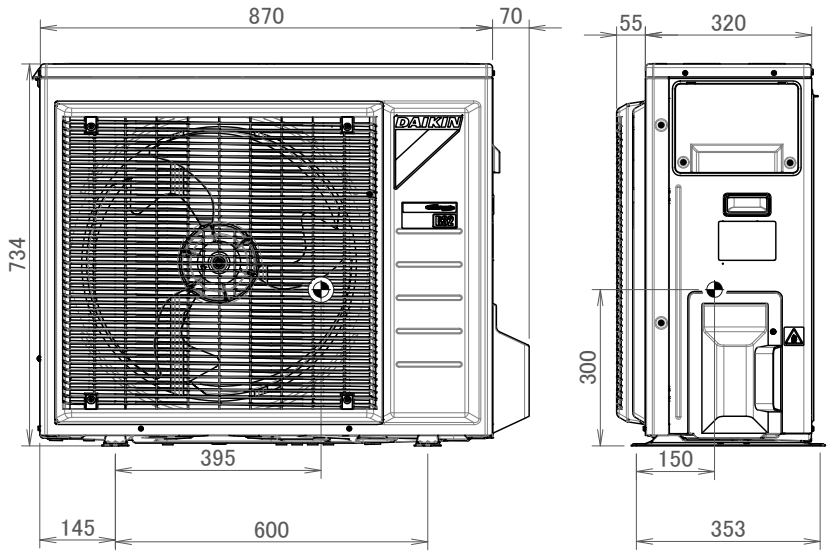


4D116242

5 Centre of gravity

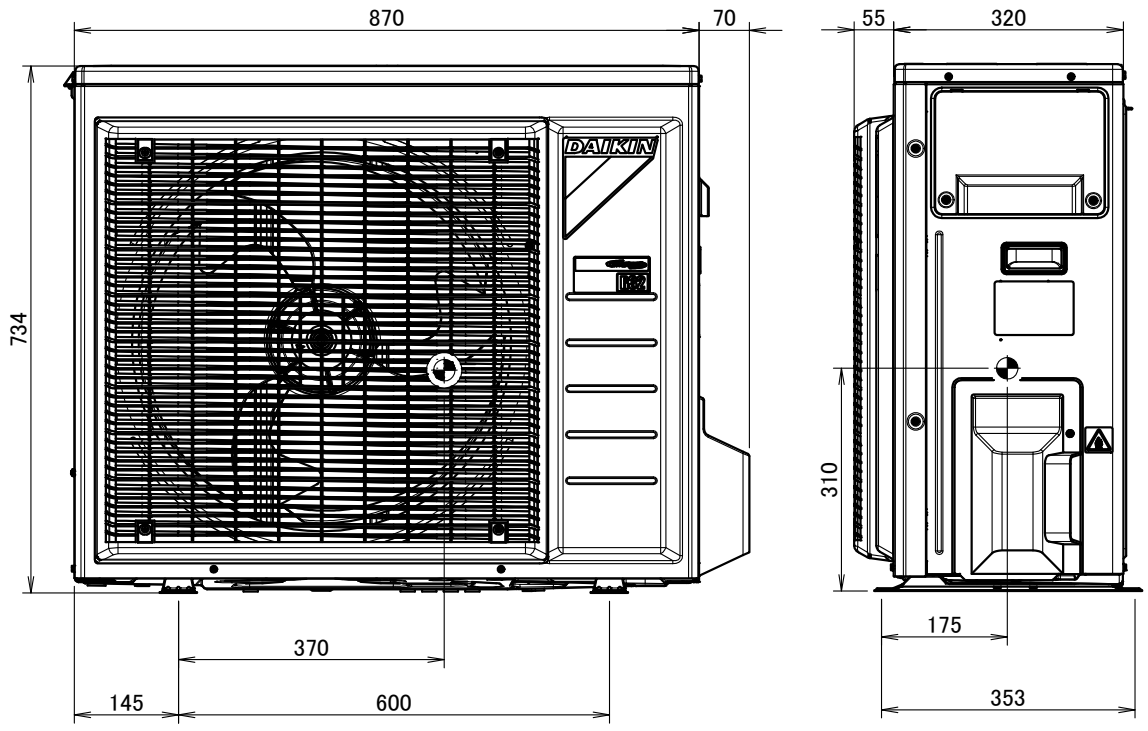
5 - 1 Centre of Gravity

RXF50D



4D114820

RXF60-71D

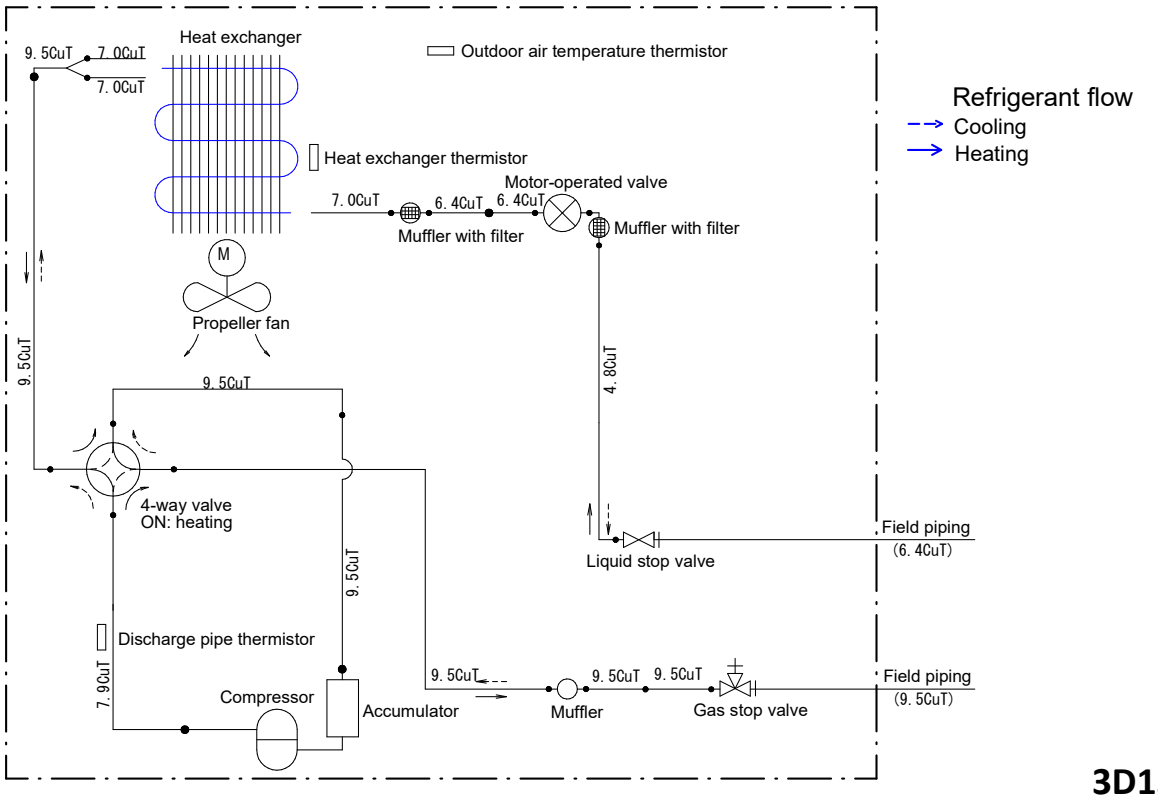


4D114824

6 Piping diagrams

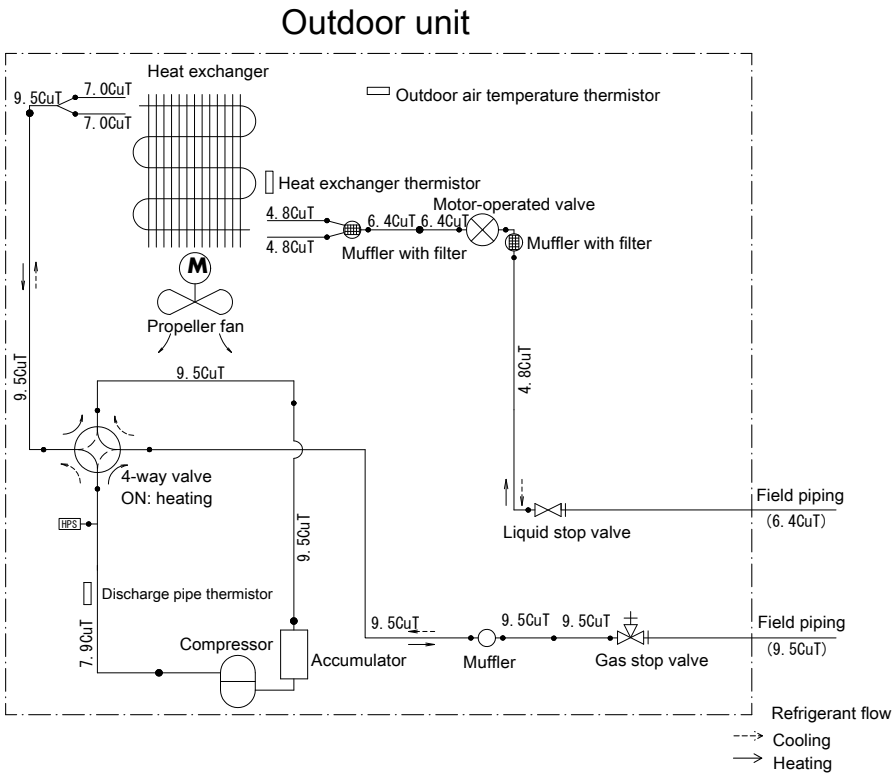
6 - 1 Piping Diagrams

ARXF20-35D
RXF20-35D



3D136644

ARXF42D
RXF42D



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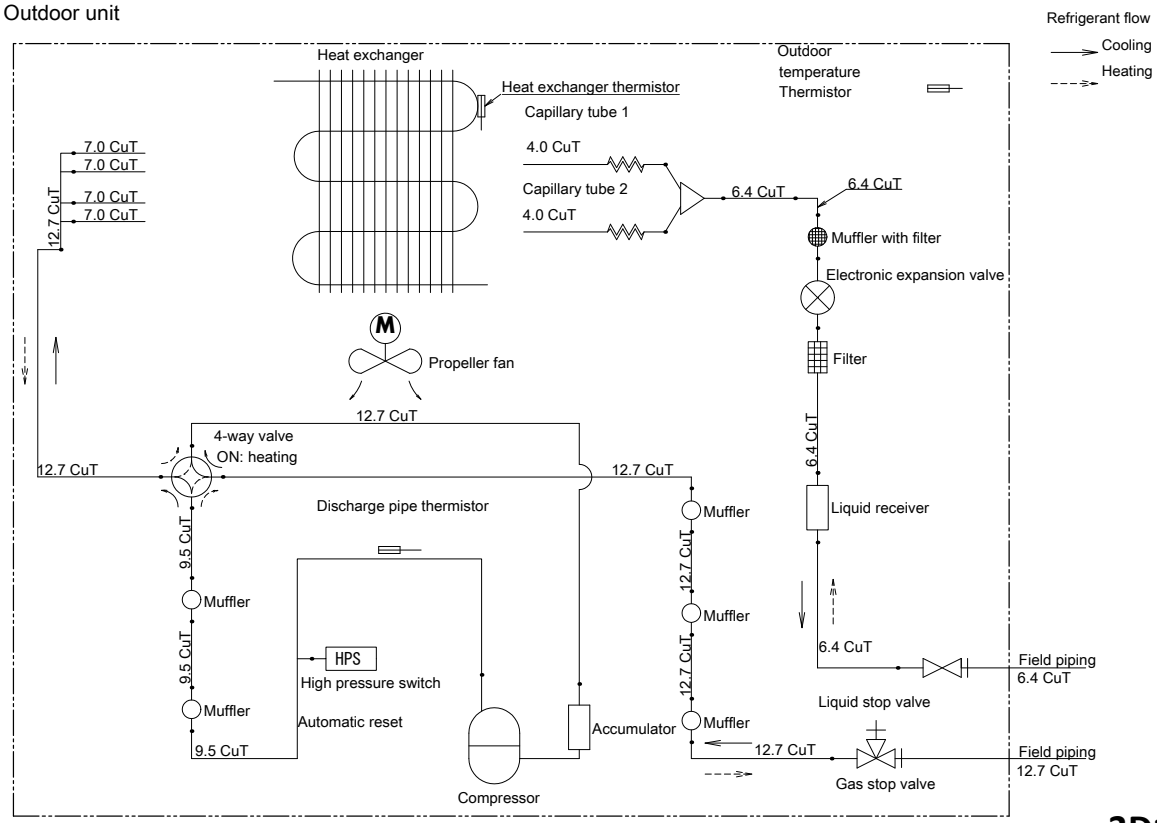
6 Piping diagrams

6 - 1 Piping Diagrams

RXF50D

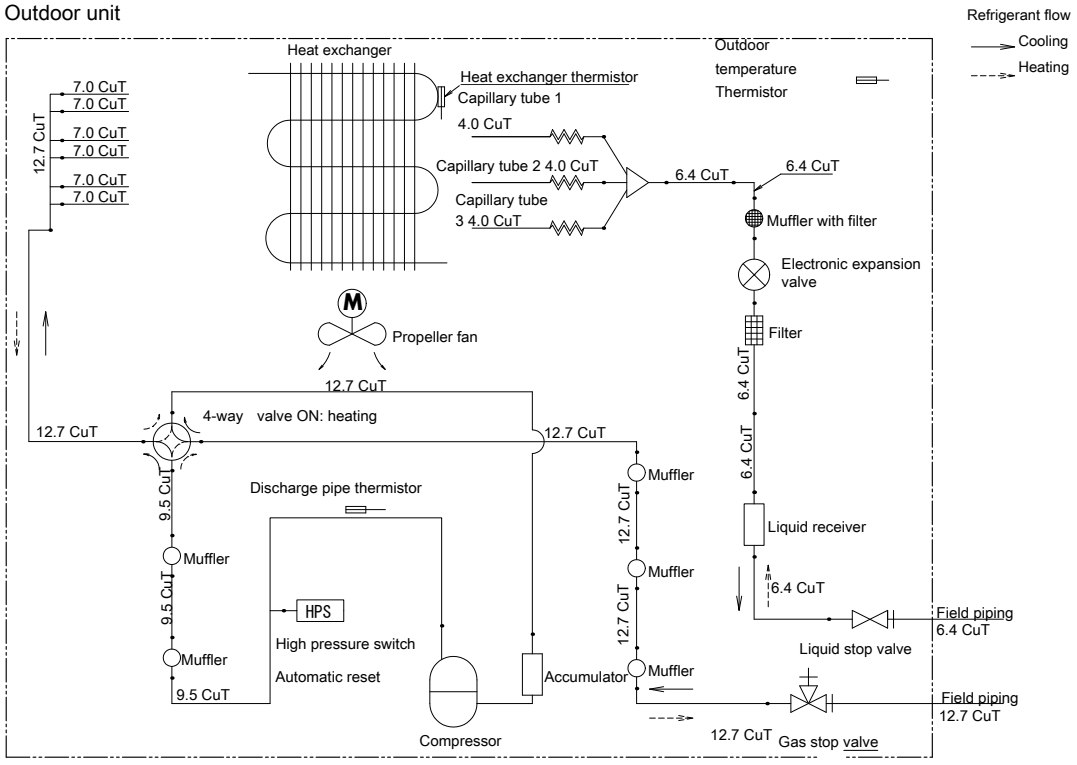
Outdoor unit



3D114451

RXF60-71D

Outdoor unit



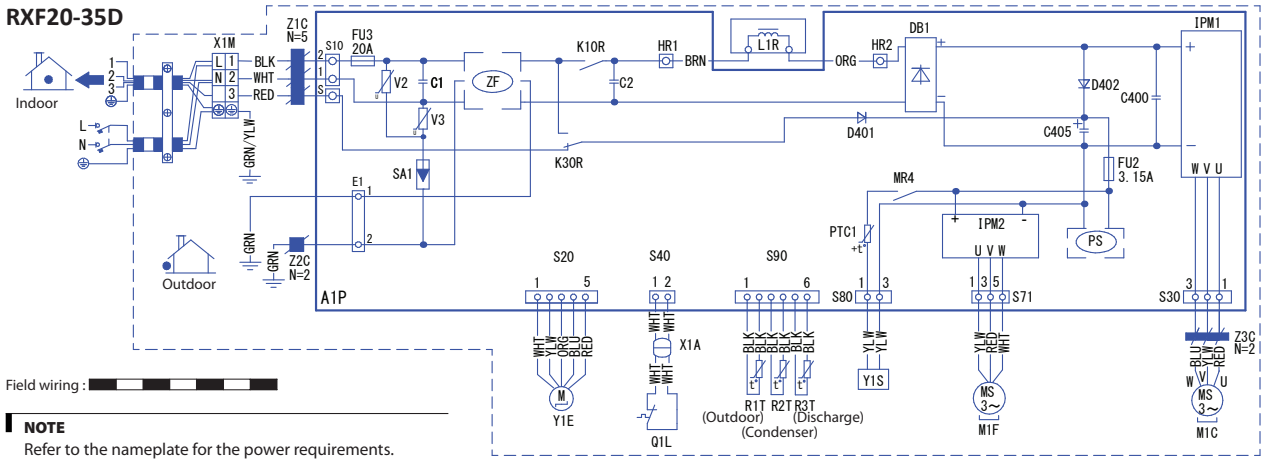
3D114450

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

ARXF20-35D
RXF20-35D

Wiring diagram



NOTE

Refer to the nameplate for the power requirements.

Wire colors

BLK : Black
WHT : White
BRN : Brown
RED : Red
GRN : Green
YLW : Yellow
ORG : Orange
BLU : Blue

C1, C2, C400, C405	Capacitor
D401, D402	Diode
DB1	Diode bridge
FU2, FU3	Fuse
IPM1, IPM2	Intelligent power module
L1R	Reactor
M1C	Compressor motor
M1F	Fan motor
K30R, K10R, MR4	Magnetic relay
A1P	Printed circuit board
PS	Switching power supply
Q1L	Overload protector
R1T, R2T, R3T	Thermistor

SA1	Surge arrester
S, S10, S20, S30, S40, S71, S80, S90, E1, HR1, HR2, X1A	Connector
V2, V3	Varistor
X1M	Terminal strip
Y1S	Reversing solenoid valve coil
PTC1	Thermistor PTC
Y1E	Electronic expansion valve coil
Z1C, Z2C, Z3C	Ferrite core
ZF	Noise filter
⏚	Protective earth
⏚	Earth

NOTES

1. Size : lenght 140 x height 80
2. Refer to purchasing specification AS303002, unless otherwise specified.
3. This drawing was drawn on cad system.
4. Refer to the "cad03919-3d134368-1-wiring-diagram-210406.ai" formatted file unless otherwise specified.

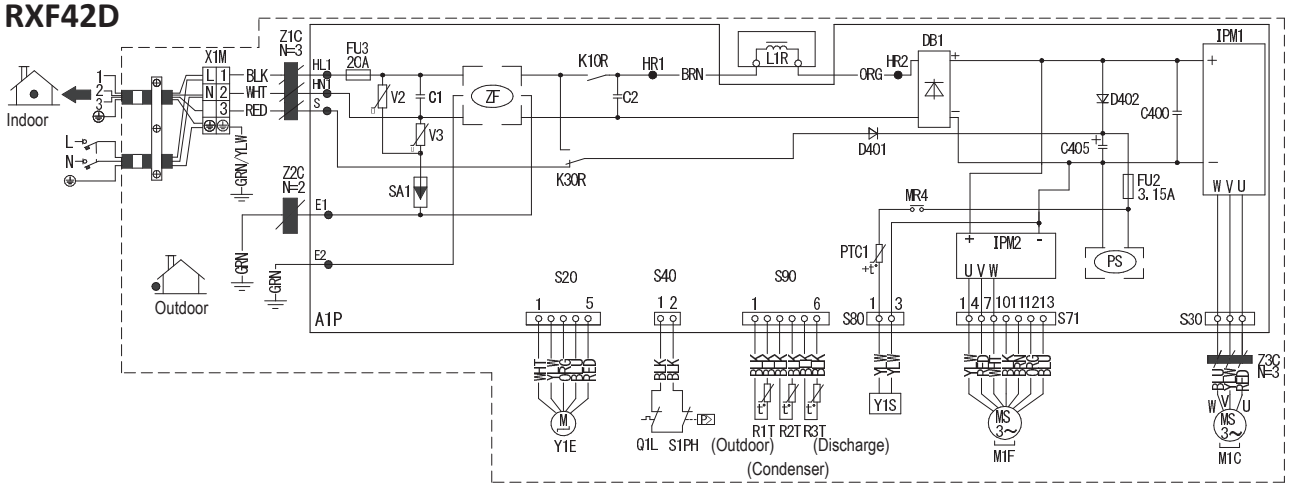
3D134368

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

ARXF42D
RXF42D

Wiring diagram



C1, C2, C400, C405	Capacitor
HL1, HN1, S, E1, E2, HR1, HR2	Connection
D401, D402	Diode
DB1	Diode bridge
FU2, FU3	Fuse
IPM1, IPM2	Intelligent power module
L1R	Reactor
M1C	Compressor motor
M1F	Fan motor
K30R, K10R, MR4	Magnetic relay
A1P	Printed circuit board
PS	Switching power supply
Q1L	Overload protector
R1T, R2T, R3T	Thermistor
S1PH	High pressure switch
SA1	Surge arrester
S20, S30, S40, S71, S80, S90	Connector
V2, V3	Varistor
X1M	Terminal strip
Y1S	Reversing solenoid valve coil
PTC1	Thermistor PTC
Y1E	Electronic expansion valve coil
Z1C, Z2C, Z3C	Ferrite core
ZF	Noise filter

BLK:	Black
WHT:	White
BRN:	Brown
RED:	Red
GRN:	Green
YLW:	Yellow
ORG:	Orange
BLU:	Blue

: Protective earth
: Earth
: Field wiring

NOTES

1. Refer to the nameplate for the power requirements.

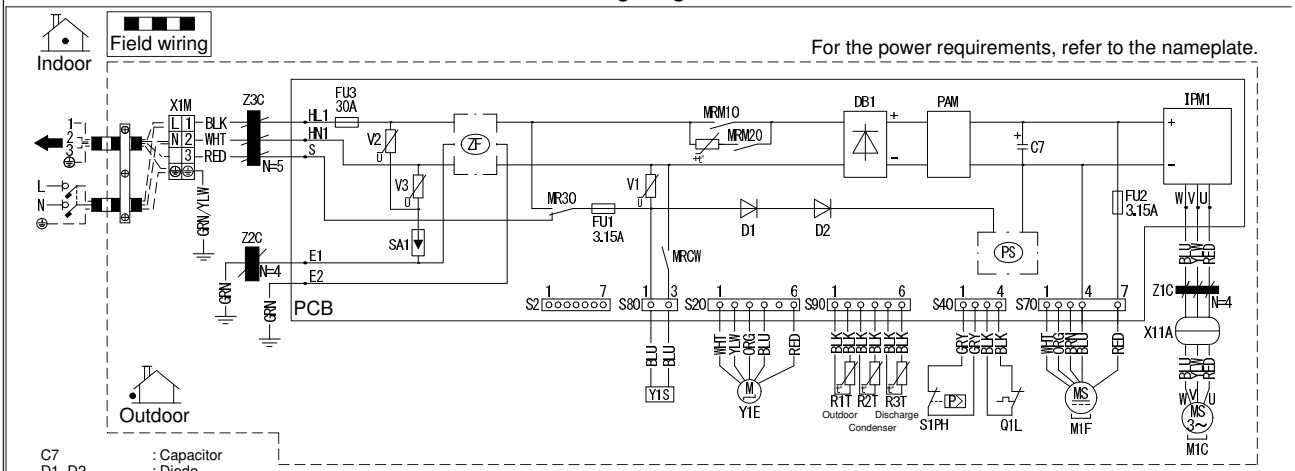
3D114611A

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

RXF50-71D

Wiring diagram



C7	: Capacitor	Q1L	: Overload protector	BLK	: Black
D1, D2	: Diode	R1T, R2T, R3T	: Thermistor	BLU	: Blue
DB1	: Diode bridge	S1PH	: High pressure switch	BRN	: Brown
E1, E2, HL1,		S2, S20, S40,		GRN	: Green
HN1,S, U, V, W	: Connection	S70, S80, S90	: Terminal connector	GRY	: Grey
FU1, FU2, FU3	: Fuse	SA1	: Surge arrestor	ORG	: Orange
IPM1	: Intelligent power module	V1, V2, V3	: Varistor	RED	: Red
L	: Live	X11A	: Connector	WHT	: White
M1C	: Compressor motor	X1M	: Terminal strip	YLW	: Yellow
M1F	: Fan motor	Y1E	: Electronic expansion valve coil		
MR30, MRCW,		Y1S	: Reversing solenoid valve coil		
MRM10, MRM20	: Magnetic relay	Z1C, Z2C, Z3C	: Ferrite core		
N	: Neutral	ZF	: Noise filter		
N=4, N=5	: Number of passes	⏚	: Earth		
PAM	: Pulse-amplitude modulation	⏚	: Protective earth		
PCB	: Printed circuit board				
PS	: Switching power supply				

Notes:

1. Size: 105 x 185

2. Refer to purchasing specification AS(Y)303002, unless otherwise spec ified.

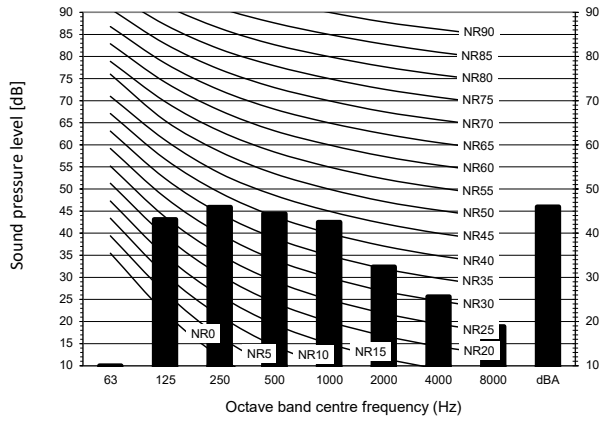
3D114452A

8 Sound data

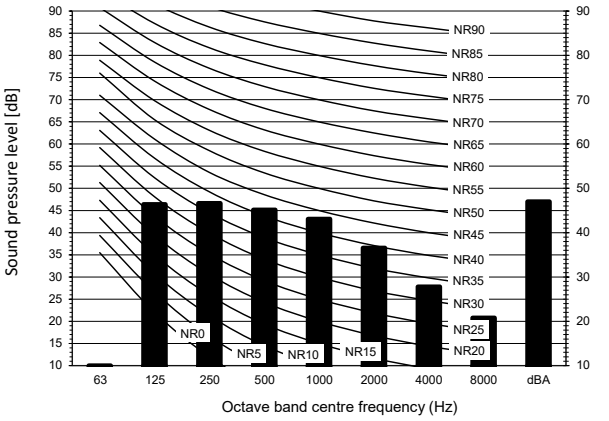
8 - 1 Sound Pressure Spectrum

ARXF20D
RXF20D

Cooling mode



Heating mode

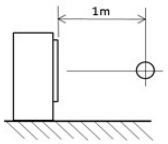


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B Fan speed: High

Location of microphone



Cooling	Total dB
A	B
dBA	46

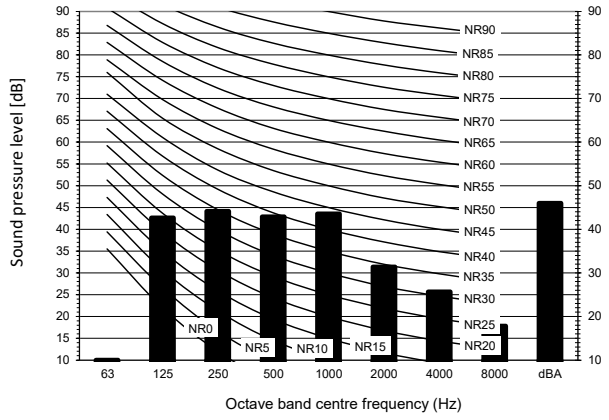
Heating	Total dB
A	B
dBA	47

Notes
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
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

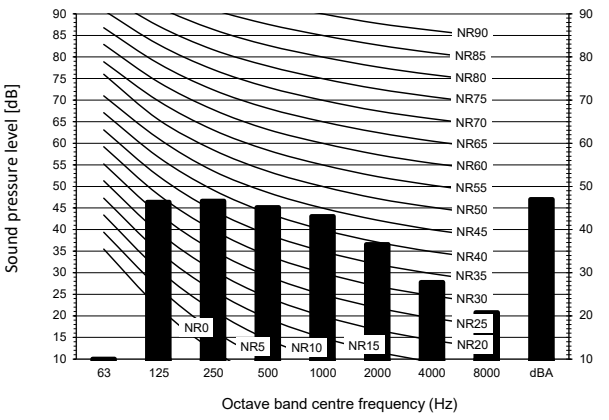
4D131996

ARXF25D
RXF25D

Cooling mode



Heating mode

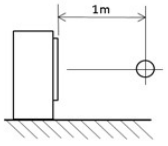


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B Fan speed: High

Location of microphone



Cooling	Total dB
A	B
dBA	46

Heating	Total dB
A	B
dBA	47

Notes
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
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

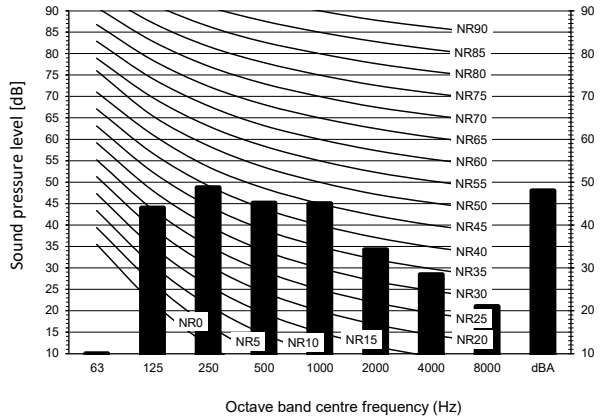
4D131997

8 Sound data

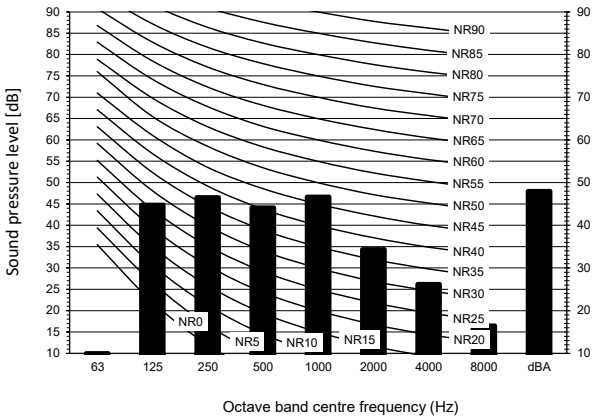
8 - 1 Sound Pressure Spectrum

ARXF35D
RXF35D

Cooling mode



Heating mode



Legend

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

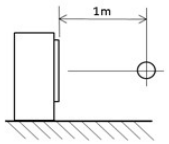
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	48

Heating	Total dB
A	B
dBA	48

Location of microphone



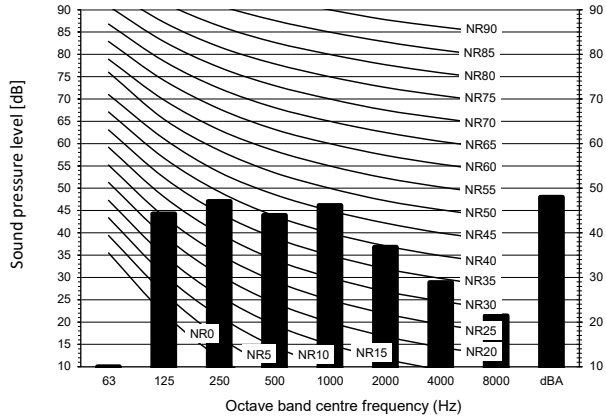
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
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

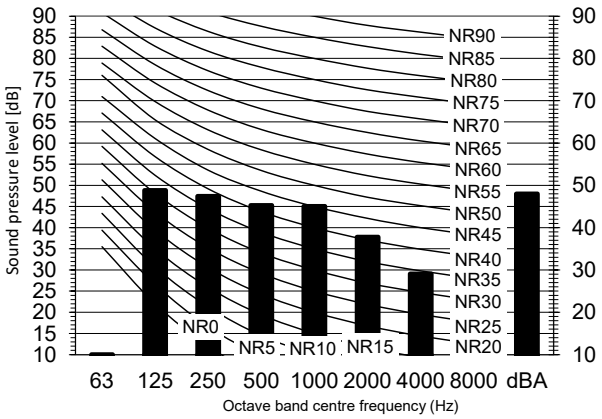
4D131998

ARXF42D
RXF42D

Cooling mode



Heating mode



Legend

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

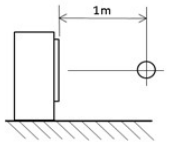
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	48

Heating	Total dB
A	B
dBA	48

Location of microphone



Notes

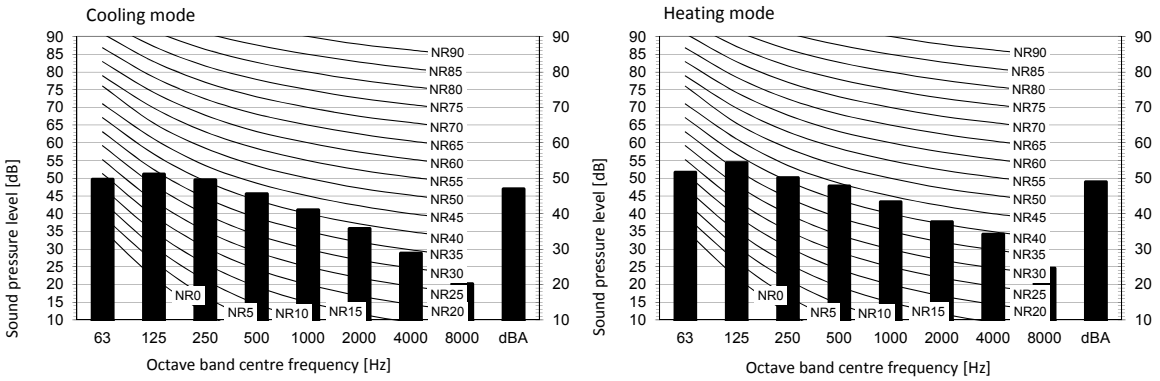
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

4D131999

8 Sound data

8 - 1 Sound Pressure Spectrum

RXF50D



Legend

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

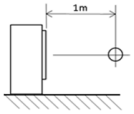
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	47

Heating	Total dB
A	B
dBA	49

Location of microphone



Notes

1 . Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

2 . Background noise already taken into account.

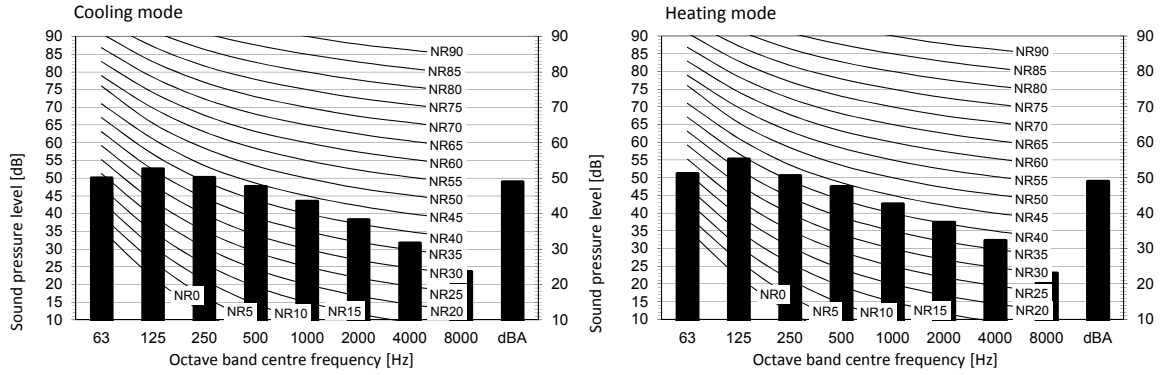
3 . Operating noise varies depending on operation and ambient conditions.

4 . The operation noise measuring method is in accordance with JISC9612.

5 . Measuring location: anechoic chamber

3D115241

RXF60D



Legend

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

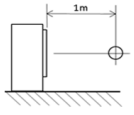
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	49

Heating	Total dB
A	B
dBA	49

Location of microphone



Notes

1 . Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

2 . Background noise already taken into account.

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

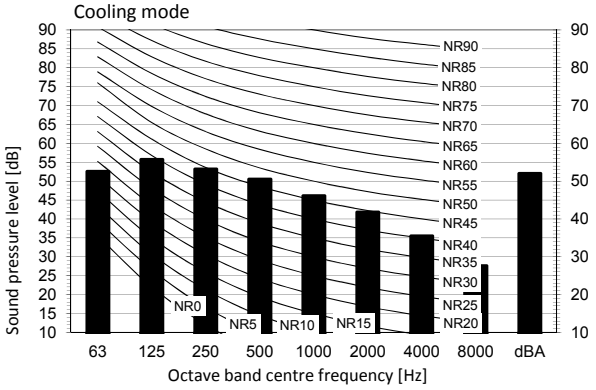
3D115242

8 Sound data

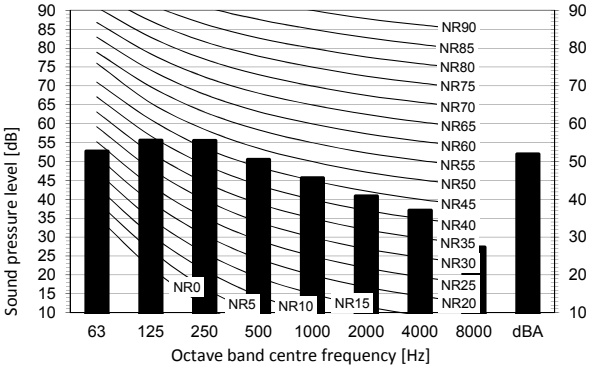
8 - 1 Sound Pressure Spectrum

RXF71D

Cooling mode



Heating mode



Legend

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

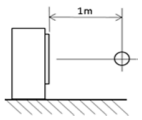
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	52

Heating	Total dB
A	B
dBA	52

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
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

3D115243

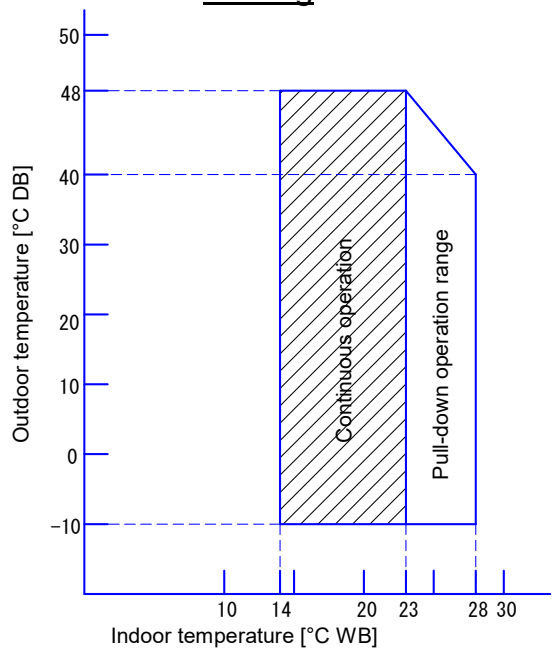
9 Operation range

9 - 1 Operation Range

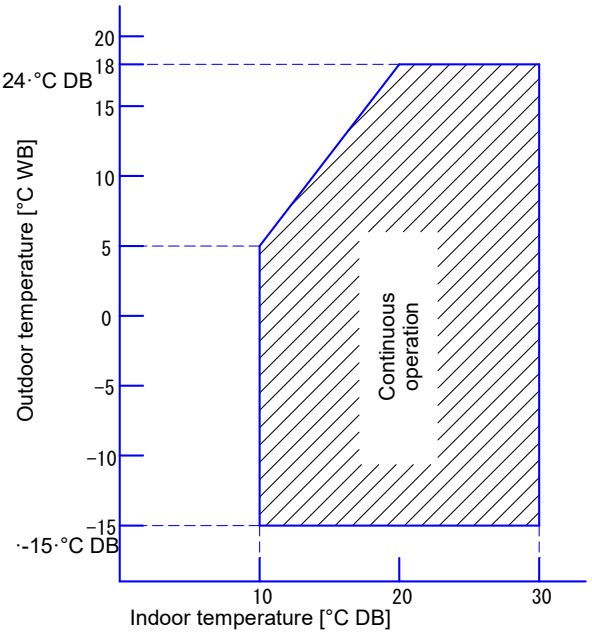
ARXF-D

RXF20-42D

Cooling



Heating



Notes

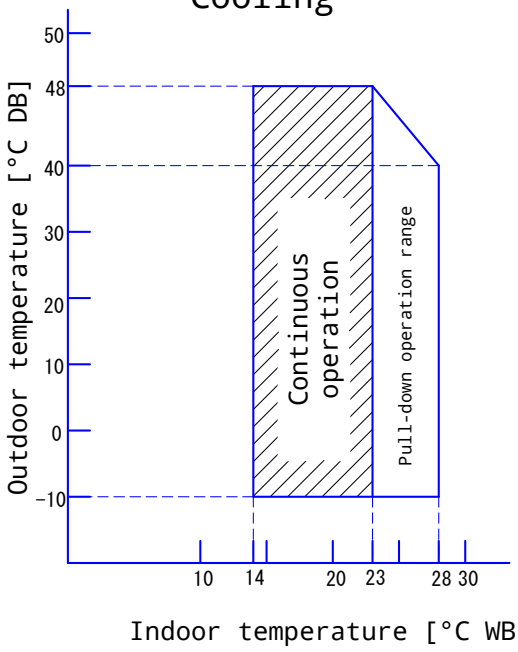
1.The ·graphs· are based on the following conditions.
Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
Air flow rate High

2.Editable data for this drawing are available in the ·GDE (E-BOM)· system.

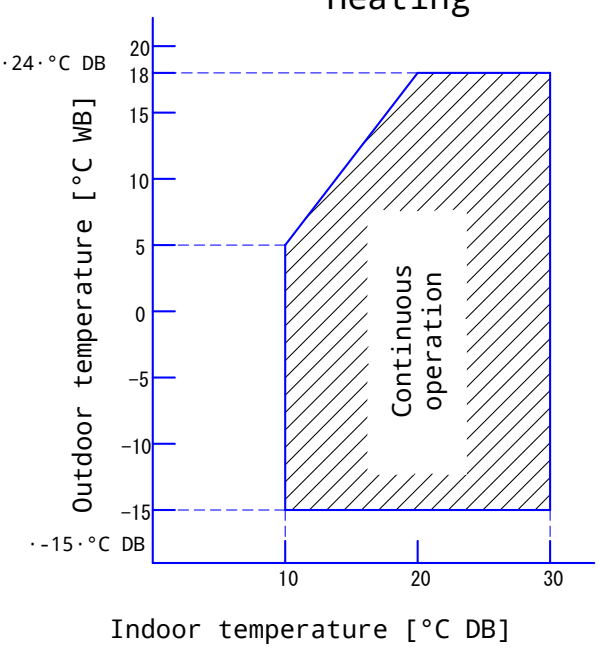
3D669693

RXF50-71D

Cooling



Heating



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

3D136807

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