

Air Conditioning Technical Data RXF-F



TABLE OF CONTENTS

RXF-F

1	Features	4
	RXF-F	4
2	Specifications	5
3	Electrical data	9
4	Capacity tables	10
	Cooling/Heating Capacity Tables	10
5	Dimensional drawings	13
6	Centre of gravity	14
7	Piping diagrams	16
8	Wiring diagrams	18
	Wiring Diagrams - Three Phase	18
9	Sound data	20
	Sound Pressure Spectrum	20
10	Operation range	23

1 Features

1 - 1 RXF-F

1

- › 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

2 Specifications

2 - 1 Specifications

Technical specifications			FTXF20F + RXF20F	FTXF25F + RXF25F	FTXF35F + RXF35F	FTXF42F + RXF42F	FTXF50F + RXF50F
Indoor unit			FTXF20F5V1B	FTXF25F5V1B	FTXF35F5V1B	FTXF42F5V1B	FTXF50F5V1B
Outdoor unit			RXF20F5V1B	RXF25F5V1B	RXF35F5V1B	RXF42F5V1B	RXF50F5V1B
Cooling capacity	Min.	kW	1.3			1.4	1.3
	Min.	Btu/h	4,400			4,800	4,500
	Min.	kcal/h	1,118			1,204	1,144.4
	Nom.	kW	2	2.5	3.3	4.2	5
	Nom.	Btu/h	6,800	8,500	11,300	14,300	17,100
	Nom.	kcal/h	1,720	2,150	2,838	3,611	4,302.1
	Max.	kW	2.4	2.8	3.8	4.3	5.3
	Max.	Btu/h	8,200	9,600	12,800	14,700	18,200
	Max.	kcal/h	2,064	2,408	3,224	3,697	4,586
Heating capacity	Min.	kW	1.3			1.4	1.43
	Min.	Btu/h	4,400			4,800	4,900
	Min.	kcal/h	1,118			1,204	1,230.4
	Nom.	kW	2.4	2.8	3.5	4.6	5.4
	Nom.	Btu/h	8,200	9,600	11,900	15,700	18,400
	Nom.	kcal/h	2,064	2,408	3,010	3,955	4,646.3
	Max.	kW	3.3	3.7	4.4	5	6.13
	Max.	Btu/h	11,300	12,600	15,000	17,100	20,900
	Max.	kcal/h	2,838	3,181	3,783	4,300	5,274.4
Power input	Cooling	Min.	0.31				0.27
		Nom.	0.592	0.772	1	1.27	1.52
		Max.	0.72	1.05	1.4	1.5	1.74
	Heating	Min.	0.25				0.26
		Nom.	0.64	0.75	0.94	1.24	1.46
		Max.	0.95	1.11	1.5	1.4	1.91
Nominal efficiency	EER		3.38	3.24	3.3		
	COP		3.75	3.73	3.72	3.71	
	Annual energy consumption	kWh	108	135	188	226	269
	Energy labeling	Cooling	A				
	Directive	Heating	A				
Space cooling	Energy efficiency class		A++				
	Capacity	Pdesign kW	2	2.5	3.5	4.2	5
	SEER		6.5				
	Annual energy consumption	kWh/a	108	135	188	226	269
Space heating (Average climate)	Capacity	Pdesign kW	2.2	2.4	2.6	3.3	3.8
Space heating (Average climate)	Energy efficiency class		A+				
	SCOP/A		4.2			4.3	4.1
	SCOPnet/A		4.25			4.36	4.15
	Pdh Heating capacity at -10°	kW	1.86	1.97	2.21	2.61	3.24
	Annual energy consumption	kWh/a	733	801	867	1,075	1,297
	Required back up heating cap at design conditions	kW	0.34	0.43	0.39	0.69	0.56
Space heating (Warm climate)	Capacity	Pdesignh kW	1.18	1.29	1.4	1.78	2.05
	Energy efficiency class		A+++				
	SCOP		5.2	5.22	5.26	5.25	5.17
	SCOPnet		5.5		5.59	5.61	5.47
	Annual energy consumption	kWh/a	318	346	373	475	555
	Required back up heating cap at design conditions	kW	0				
Space cooling	A Condition (35°C - 27/19)	Pdc	2	2.5	3.5	4.2	5
		EERd	3.38	3.24	3.1	3.3	
		Power input	0.592	0.772	1.13	1.27	1.52
	B Condition (30°C - 27/19)	Pdc	1.47	1.84	2.58	3.09	3.68
		EERd	5.41	4.79	4.64	4.7	5.1
		Power input	0.272	0.395	0.556	0.657	0.722
	C Condition (25°C - 27/19)	Pdc	1.14	1.18	1.66	1.99	2.37
		EERd	8.52	8.41	8.55	7.91	7.6
		Power input	0.134	0.137	0.194	0.242	0.312
	D Condition (20°C - 27/19)	Pdc	1.3		1.32	1.35	1.8
		EERd	11.7		11.8	11.9	
		Power input	0.111		0.112	0.113	0.151

2 Specifications

2 - 1 Specifications

2

Technical specifications					FTXF20F + RXF20F	FTXF25F + RXF25F	FTXF35F + RXF35F	FTXF42F + RXF42F	FTXF50F + RXF50F	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15					
	TBivalent	Tbiv (bivalent temperature)		°C	-7					
		Pdh (declared heating cap)		kW	1.95	2.12	2.3		3.36	
		COPd (declared COP)			2.69		2.6	2.66	2.55	
		Power input		kW	0.725	0.788	0.885	1.1	1.32	
	A Condition (-7°C)	Pdh (declared heating cap)		kW	1.95	2.12	2.3	2.92	3.36	
		COPd (declared COP)			2.69		2.6	2.66	2.55	
		Power input		kW	0.725	0.771	0.875	1.08	1.32	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.18	1.29	1.4	1.78	2.05	
		COPd (declared COP)			4.2	4.18		4.44	4.05	
		Power input		kW	0.281	0.309	0.335	0.401	0.506	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92		0.93	1.14	1.49	
		COPd (declared COP)			5.66	5.62	5.65	5.42	5.72	
		Power input		kW	0.163	0.164	0.165	0.21	0.26	
Space heating (Average climate)	C Condition (7°C)	Power input		kW	0.163	0.164	0.165	0.21	0.26	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06		1.1		1.75	
		COPd (declared COP)			6.98	6.85	6.86	6.88	6.75	
		Power input		kW	0.152	0.155	0.16		0.259	
	E condition (-10°C)	Pdh (declared heating cap)		kW	1.71		2.05	2.1	3.24	
		COPd (declared COP)			2.55		2	2.06	2.58	
		Power input		kW	0.67		1.03	1.02	1.26	
	Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15				
		TBivalent	Tbiv (bivalent temperature)		°C	2				
			Pdh (declared heating cap)		kW	1.18	1.29	1.4	1.78	2.05
COPd (declared COP)				4.2	4.18		4.44	4.05		
Power input			kW	0.281	0.309	0.335	0.401	0.506		
B Condition (2°C)		Pdh (declared heating cap)		kW	1.18	1.29	1.4	1.78	2.05	
		COPd (declared COP)			4.2	4.18		4.44	4.05	
		Power input		kW	0.281	0.309	0.335	0.401	0.506	
C Condition (7°C)		Pdh (declared heating cap)		kW	0.92		0.93	1.14	1.49	
		COPd (declared COP)			5.66	5.62	5.65	5.42	5.72	
		Power input		kW	0.163	0.164	0.165	0.21	0.26	
D Condition (12°C)		Pdh (declared heating cap)		kW	1.06		1.1		1.75	
		COPd (declared COP)			6.98	6.85	6.86	6.88	6.75	
		Power input		kW	0.152	0.155	0.16		0.259	
E condition (2°C)		Pdh (declared heating cap)		kW	1.71		2.05	2.1	2.05	
		COPd (declared COP)			2.55		2	2.06	4.05	
		Power input		kW	0.67		1.03	1.02	0.506	
Power consumption in other than active mode		Crankcase heater mode	PCK		W	0				
	Off mode	POFF		W	1					
	Standby mode	Cooling	PSB	W	1					
		Heating	PSB	W	1					
	Thermo-stat-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					

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 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 | See separate drawing for electrical data

Technical Specifications			RXF20F	RXF25F	RXF35F	RXF42F	RXF50F
Refrigerant	Charge	tCO2Eq	0.28		0.37	0.51	0.54
Casing	Colour		Ivory white				

2 Specifications

2 - 1 Specifications

Technical Specifications					RXF20F	RXF25F	RXF35F	RXF42F	RXF50F	
Dimensions	Unit	Height	mm		556				610	
		Width	mm		740				923	
		Depth	mm		343				367	
	Packed unit	Height	mm		630				675	
		Width	mm		790				1,007	
		Depth	mm		400				450	
Weight	Unit	kg		24				28	40	
	Packed unit	kg		26				30	43	
Packing	Weight	kg		2					3	
Heat exchanger	Length	mm		670				647	869	
	Rows	Quantity		1				2		
	Fin pitch	mm		1.4						
	Stages	Quantity		24				26		
	Tube type			ø7 Hi-XD						
	Tube material			Copper						
	Fin	Type		Waffle Hydrophilic Blue Fin						
Fan	Type			Propeller						
	Air flow rate	Cooling	High	m³/min	27.6	29		28.5	40.1	
				cfm	975	1,024		1,006	1,416	
		Heating	High	m³/min	27.1	28		27.5	40.1	
				cfm	957	990		971	1,416	
Fan motor	Model			DFC03Z1VA				DFC05A3VA		
	Insulation grade			Class "E"						
	Output			W	28				50	
	Speed	Cooling	High	rpm	760	820		870		
			Low	rpm	640		600			
		Heating	High	rpm	790	820		870		
			Low	rpm	550		600			
Compressor	Model			1Y078BKAX1P#D				1Y091BKCX1P#G	2Y147BKBX1P#D	
	Oil Amount	cm³		400				375	650	
	Type			Hermetically sealed swing compressor						
	Output			W	700				1,300	
	Oil Type			FW68DA						
Operation range	Cooling	Ambient	Min.	°CDB	-10					
Operation range	Cooling	Ambient	Max.	°CDB	48					
	Heating	Ambient	Min.	°CWB	-15					
			Max.	°CWB	18					
Sound power level	Cooling	Nom.		dBA	60		61			
	Heating	Nom.		dBA	60		62		61	
Sound pressure level	Cooling	High		dBA	46		48			
	Heating	High		dBA	47		48		49	
Refrigerant	Type			R-32						
	Charge			kg	0.42		0.50	0.75	0.8	
	Charge			tCO2Eq	0.28		0.34	0.51	0.54	
	GWP			675						
Piping connections	Liquid	OD	mm		6					
	Gas	OD	mm		9.5				12.7	
	Drain	OD	mm		18				16	
	Piping length	OU - IU	Min.	m	2					
			Max.	m	20				30	
	Additional refrigerant charge				kg/m		0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	12				20	
	Heat insulation				Both liquid and gas pipes					
Capacity control	Method				Variable (inverter)					

Standard accessories: Installation manual;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 plug;Quantity: 1;

Electrical Specifications					RXF20F	RXF25F	RXF35F	RXF42F	RXF50F
Power supply	Phase						1~		
	Frequency			Hz			50		
	Voltage			V			220-240		
Wiring connections	For power supply	Quantity					3		
		Remark					Earth wire included		
	For connection with indoor	Quantity					4		
		Remark					Earth wire included		
Current - 60Hz	Maximum fuse amps (MFA)			A			16		

Contains fluorinated greenhouse gases |

See separate drawing for electrical data |

2 Specifications

2 - 1 Specifications

See separate drawing for operation range

3 Electrical data

3 - 1 Electrical Data

RXF-F ARXF-F

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXF20F5V1B	RXF20F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	8,06	16	39,0	2,7	0,024	0,17	0,029	0,41
		50	230					2,6				
		50	240					2,5				
FTXF25F5V1B	RXF25F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	8,14	16	54,0	3,0	0,033	0,24	0,029	0,41
		50	230					2,8				
		50	240					2,7				
FTXF35F5V1B	RXF35F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	9,36	16	68,0	4,4	0,033	0,24	0,037	0,52
		50	230					4,2				
		50	240					4,0				
FTXF42F5V1B	RXF42F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	9,44	16	78,0	5,7	0,030	0,23	0,050	0,60
		50	230					5,4				
		50	240					5,2				
FTXF50F5V1B	RXF50F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	10,43	16	64,0	5,7	0,052	0,63	0,050	0,60
		50	230					5,5				
		50	240					5,3				
ATXF20F5V1B	ARXF20F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	8,06	16	39,0	2,7	0,024	0,17	0,029	0,41
		50	230					2,6				
		50	240					2,5				
ATXF25F5V1B	ARXF25F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	8,14	16	54,0	3,0	0,033	0,24	0,029	0,41
		50	230					2,8				
		50	240					2,7				
ATXF35F5V1B	ATXF35F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	9,36	16	68,0	4,4	0,033	0,24	0,037	0,52
		50	230					4,2				
		50	240					4,0				
ATXF42F5V1B	ATXF42F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	9,44	16	78,0	5,7	0,030	0,23	0,050	0,60
		50	230					5,4				
		50	240					5,2				
ATXF50F5V1B	RXF50F5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	10,43	16	64,0	5,7	0,052	0,63	0,050	0,60
		50	230					5,5				
		50	240					5,3				

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXF20F / RXF20F

Cooling · 50Hz 220-240V·

AFR	9,8
BF	0,22

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	1,80	0,48	1,96	1,76	0,52	1,86	1,72	0,56	1,83	1,70	0,57	1,77	1,67	0,59	1,68	1,63	0,63
16	22	2,14	1,77	0,48	2,05	1,73	0,52	1,95	1,69	0,55	1,92	1,68	0,57	1,86	1,65	0,59	1,77	1,61	0,63
18	25	2,23	1,89	0,48	2,14	1,86	0,52	2,05	1,82	0,56	2,01	1,81	0,57	1,95	1,78	0,59	1,86	1,75	0,63
19	27	2,28	2,03	0,48	2,19	2,00	0,52	2,09	1,96	0,56	2,06	1,95	0,57	2,00	1,93	0,59	1,91	1,89	0,63
22	30	2,42	1,97	0,49	2,32	1,94	0,53	2,23	1,91	0,57	2,19	1,90	0,58	2,14	1,88	0,60	2,05	1,85	0,64
24	32	2,51	1,93	0,49	2,42	1,91	0,53	2,32	1,88	0,57	2,29	1,87	0,58	2,23	1,85	0,60	2,14	1,82	0,64

Heating · 50Hz 220-240V·

AFR	10,4
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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		1,09	0,41	1,33	0,42	1,57	0,44	1,82	0,60	2,46	0,63	2,71	0,65
20		1,02	0,42	1,26	0,43	1,50	0,47	1,74	0,61	2,40	0,64	2,63	0,66
22		0,99	0,42	1,23	0,44	1,47	0,47	1,71	0,61	2,37	0,65	2,59	0,67
24		0,96	0,42	1,20	0,44	1,44	0,48	1,68	0,63	2,33	0,65	2,56	0,67
25		0,94	0,43	1,18	0,44	1,42	0,48	1,66	0,63	2,31	0,66	2,54	0,67
27		0,91	0,43	1,15	0,47	1,39	0,48	1,64	0,63	2,28	0,66	2,51	0,68

Heating capacity at nominal operating frequency, measured according to ·EN 14511·.

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
20		1,48	0,87	1,98	0,89	2,01	0,91	2,46	0,93	3,30	0,95	3,59	0,96

Heating capacity at maximum operating frequency, measured according to EN 14511

Notes

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature [°C WB]
EDB: Entering dry-bulb temperature [°C DB]
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

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FTXF25F / RXF25F

Cooling · 50Hz 220-240V·

AFR	10,0
BF	0,22

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	2,56	2,08	0,61	2,44	2,03	0,66	2,33	1,97	0,72	2,28	1,95	0,74	2,21	1,92	0,77	2,10	1,86	0,82
16	22	2,68	2,05	0,60	2,56	1,99	0,66	2,44	1,94	0,71	2,40	1,92	0,74	2,33	1,89	0,77	2,21	1,84	0,83
18	25	2,79	2,17	0,60	2,68	2,12	0,66	2,56	2,07	0,71	2,51	2,06	0,74	2,44	2,03	0,77	2,33	1,98	0,83
19	27	2,85	2,31	0,60	2,73	2,27	0,66	2,62	2,22	0,71	2,57	2,20	0,74	2,50	2,18	0,77	2,38	2,13	0,83
22	30	3,02	2,24	0,62	2,91	2,20	0,67	2,79	2,16	0,73	2,74	2,14	0,75	2,67	2,12	0,78	2,56	2,08	0,83
24	32	3,14	2,19	0,61	3,02	2,15	0,66	2,90	2,12	0,72	2,86	2,10	0,75	2,79	2,08	0,78	2,67	2,04	0,84

Heating · 50Hz 220-240V·

AFR	10,4
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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		1,33	0,48	1,61	0,51	1,87	0,53	2,15	0,70	2,89	0,73	3,15	0,76
20		1,25	0,50	1,52	0,52	1,79	0,54	2,06	0,71	2,80	0,75	3,05	0,77
22		1,22	0,50	1,48	0,52	1,75	0,55	2,03	0,72	2,76	0,75	3,01	0,78
24		1,19	0,51	1,46	0,53	1,73	0,55	2,00	0,73	2,73	0,76	2,98	0,78
25		1,17	0,51	1,44	0,53	1,71	0,55	1,98	0,73	2,71	0,76	2,96	0,79
27		1,14	0,51	1,41	0,54	1,67	0,57	1,95	0,74	2,67	0,77	2,92	0,79

Heating capacity at nominal operating frequency, measured according to ·EN 14511·.

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
20		2,04	1,13	2,44	1,16	2,44	1,19	2,77	1,22	3,70	1,26	4,02	1,28

Heating capacity at maximum operating frequency, measured according to EN 14511

Notes

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature [°C WB]
EDB: Entering dry-bulb temperature [°C DB]
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

4D153057

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXF35F / RXF35F

Cooling - 50Hz 220-240V-

AFR	11,5
BF	0,23

Indoor temperature		Outdoor temperature [°C DB]																							
EWB	EDB	20						25						30						32					
°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
14	20	3,38	2,54	0,76	3,22	2,46	0,84	3,07	2,39	0,91	3,01	2,36	0,94	2,92	2,31	0,99	2,76	2,23	1,06						
16	22	3,54	2,50	0,77	3,38	2,42	0,84	3,22	2,35	0,92	3,17	2,33	0,95	3,07	2,28	0,99	2,92	2,22	1,07						
18	25	3,69	2,62	0,77	3,54	2,56	0,85	3,38	2,49	0,92	3,32	2,46	0,95	3,22	2,42	1,00	3,07	2,36	1,07						
19	27	3,76	2,76	0,77	3,61	2,70	0,85	3,45	2,64	0,92	3,39	2,61	0,95	3,30	2,57	1,00	3,15	2,52	1,08						
22	30	3,99	2,67	0,78	3,84	2,61	0,86	3,68	2,56	0,93	3,62	2,54	0,96	3,53	2,50	1,01	3,38	2,44	1,08						
24	32	4,14	2,60	0,79	3,99	2,55	0,86	3,84	2,50	0,94	3,77	2,48	0,97	3,68	2,44	1,01	3,53	2,39	1,09						

Heating - 50Hz 220-240V-

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

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,66	0,60	2,00	0,63	2,34	0,67	2,69	0,87	3,62	0,92	3,94	0,95
20		1,57	0,62	1,90	0,65	2,24	0,68	2,58	0,90	3,50	0,94	3,82	0,97
22		1,52	0,63	1,86	0,66	2,20	0,69	2,54	0,90	3,45	0,94	3,77	0,98
24		1,48	0,63	1,82	0,67	2,15	0,70	2,49	0,91	3,40	0,95	3,72	0,99
25		1,46	0,64	1,79	0,67	2,14	0,70	2,48	0,92	3,38	0,96	3,69	0,99
27		1,42	0,64	1,76	0,68	2,09	0,71	2,43	0,92	3,33	0,97	3,65	1,00

Heating capacity at nominal operating frequency, measured according to EN 14511.

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		2,43	1,35	2,66	1,39	2,90	1,42	3,30	1,46	4,40	1,50	4,78	1,53

Heating capacity at maximum operating frequency, measured according to EN 14511

Notes

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0 m
- The air flow rate and bypass factor are mentioned in the table.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature [°C WB]
EDB: Entering dry-bulb temperature [°C DB]
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

4D153058

FTXF42F / RXF42F

Cooling - 50Hz 220-240V-

AFR	12,6
BF	0,23

Indoor temperature		Outdoor temperature [°C DB]																							
EWB	EDB	20						25						30						32					
°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
14	20	4,17	3,14	1,04	4,02	3,07	1,11	3,86	3,01	1,19	3,80	2,98	1,22	3,71	2,93	1,26	3,56	2,87	1,34						
16	22	4,38	3,09	1,04	4,22	3,02	1,11	4,07	2,97	1,19	4,00	2,94	1,22	3,91	2,90	1,26	3,76	2,85	1,34						
18	25	4,57	3,24	1,05	4,41	3,19	1,12	4,26	3,14	1,20	4,19	3,11	1,23	4,10	3,08	1,27	3,94	3,03	1,35						
19	27	4,66	3,42	1,05	4,51	3,37	1,12	4,35	3,33	1,20	4,29	3,30	1,23	4,20	3,27	1,27	4,05	3,24	1,35						
22	30	4,95	3,31	1,06	4,80	3,26	1,13	4,64	3,23	1,21	4,58	3,21	1,24	4,49	3,18	1,28	4,34	3,13	1,36						
24	32	5,14	3,23	1,06	4,99	3,19	1,13	4,83	3,15	1,21	4,77	3,14	1,24	4,68	3,10	1,28	4,53	3,07	1,36						

Heating - 50Hz 220-240V-

AFR	12,8
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		2,18	0,79	2,63	0,83	3,08	0,88	3,54	1,15	4,76	1,21	5,18	1,25
20		2,06	0,82	2,50	0,86	2,94	0,90	3,39	1,19	4,60	1,24	5,02	1,28
22		2,00	0,83	2,44	0,87	2,89	0,91	3,34	1,19	4,53	1,24	4,95	1,29
24		1,95	0,83	2,39	0,88	2,83	0,92	3,27	1,20	4,47	1,25	4,89	1,31
25		1,92	0,84	2,35	0,88	2,81	0,92	3,26	1,21	4,44	1,27	4,85	1,31
27		1,87	0,84	2,31	0,90	2,75	0,94	3,19	1,21	4,38	1,28	4,80	1,32

Heating capacity at nominal operating frequency, measured according to EN 14511.

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		2,60	1,07	2,92	1,18	3,12	1,25	3,52	1,32	5,00	1,40	5,26	1,47

Heating capacity at maximum operating frequency, measured according to EN 14511

Notes

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0 m
- The air flow rate and bypass factor are mentioned in the table.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature [°C WB]
EDB: Entering dry-bulb temperature [°C DB]
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

4D153059

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXF50F / RXF50F

Cooling - 50Hz 220-240V-

AFR	12,6
BF	0,23

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	4,97	3,53	1,29	4,82	3,47	1,37	4,66	3,40	1,44	4,60	3,38	1,47	4,51	3,33	1,52	4,36	3,27	1,59
16	22	5,18	3,49	1,29	5,02	3,42	1,37	4,87	3,36	1,44	4,80	3,34	1,47	4,71	3,30	1,52	4,56	3,25	1,59
18	25	5,37	3,64	1,30	5,21	3,59	1,38	5,06	3,53	1,45	4,99	3,50	1,48	4,90	3,48	1,53	4,74	3,43	1,60
19	27	5,46	3,82	1,30	5,31	3,77	1,38	5,15	3,73	1,45	5,09	3,70	1,48	5,00	3,67	1,53	4,85	3,63	1,60
22	30	5,75	3,71	1,31	5,60	3,66	1,39	5,44	3,63	1,46	5,38	3,61	1,49	5,29	3,58	1,54	5,14	3,53	1,61
24	32	5,94	3,62	1,31	5,79	3,58	1,39	5,63	3,54	1,46	5,57	3,53	1,49	5,48	3,50	1,54	5,33	3,46	1,61

Heating - 50Hz 220-240V-

AFR	12,8
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,77	1,05	3,43	1,13	3,69	1,21	4,10	1,29	5,56	1,38	6,09	1,45	
20	2,61	1,12	3,27	1,20	3,55	1,28	3,96	1,36	5,40	1,46	5,93	1,52	
22	2,55	1,15	3,21	1,23	3,49	1,31	3,90	1,39	5,34	1,49	5,87	1,55	
24	2,48	1,18	3,15	1,26	3,43	1,34	3,85	1,42	5,27	1,52	5,80	1,58	
25	2,45	1,20	3,11	1,28	3,40	1,36	3,82	1,44	5,24	1,53	5,77	1,60	
27	2,39	1,23	3,05	1,31	3,34	1,39	3,77	1,47	5,18	1,56	5,71	1,63	

Heating capacity at nominal operating frequency, measured according to EN 14511.

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	3,15	1,36	3,53	1,50	3,78	1,59	4,26	1,67	6,05	1,78	6,37	1,86	6,37

Heating capacity at maximum operating frequency, measured according to EN 14511

Notes

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0 m
- The air flow rate and bypass factor are mentioned in the table.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

Symbols

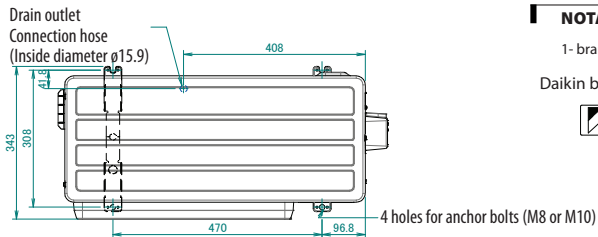
AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

4D153060

5 Dimensional drawings

5 - 1 Dimensional Drawings

RXF20-42F
ARXF20-42F

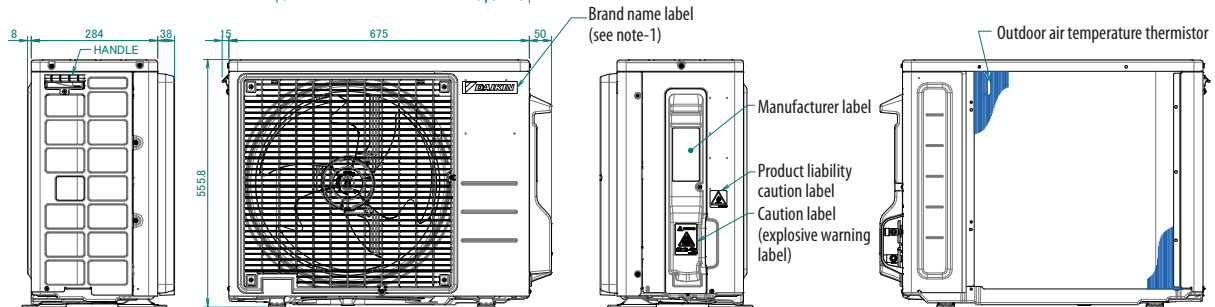


NOTATION

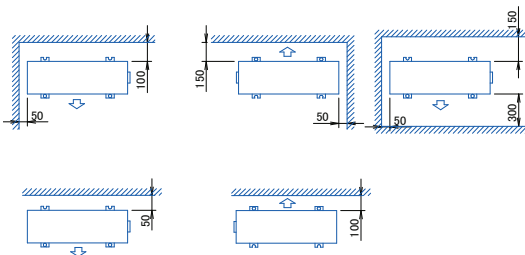
1- brand name label details can be seen below.

Daikin brand label: 3P698070-1

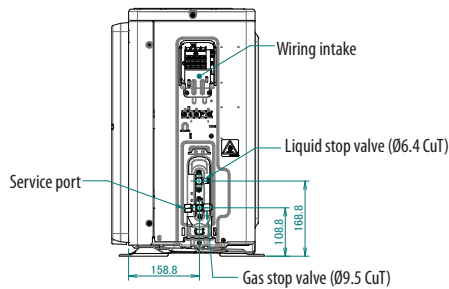
Siesta brand label: 3P698070-3



Minimum space for air passage
Wall height on air outlet side < 1200 mm

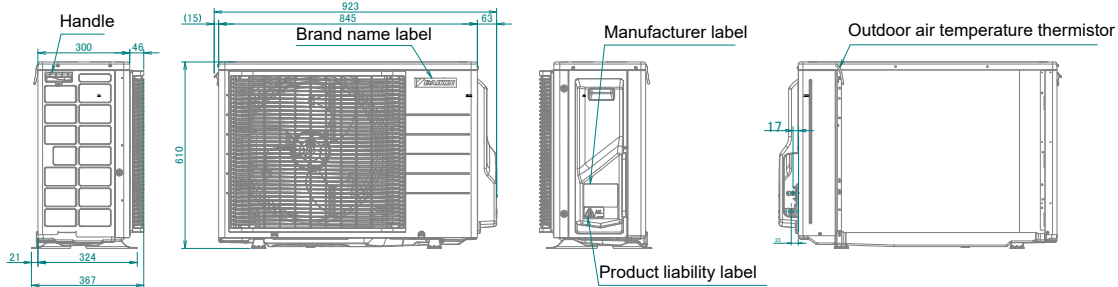
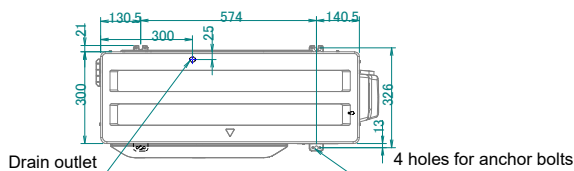


In case of removing the stop valve cover.

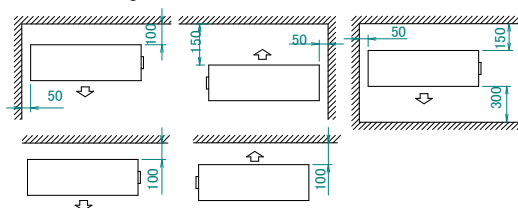


2D143507

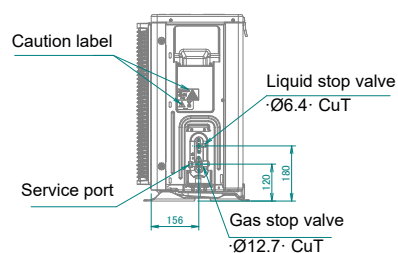
RXF50F
ARXF50F



Minimum space for air passage
Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.



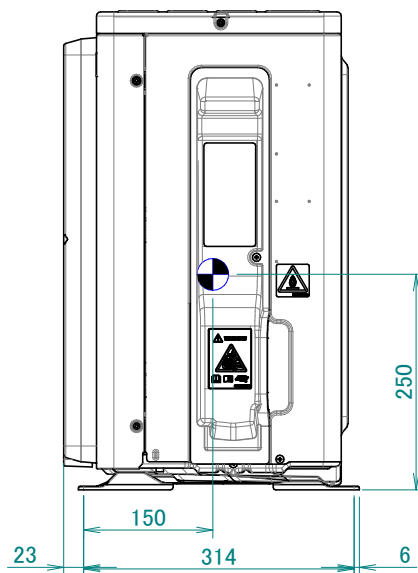
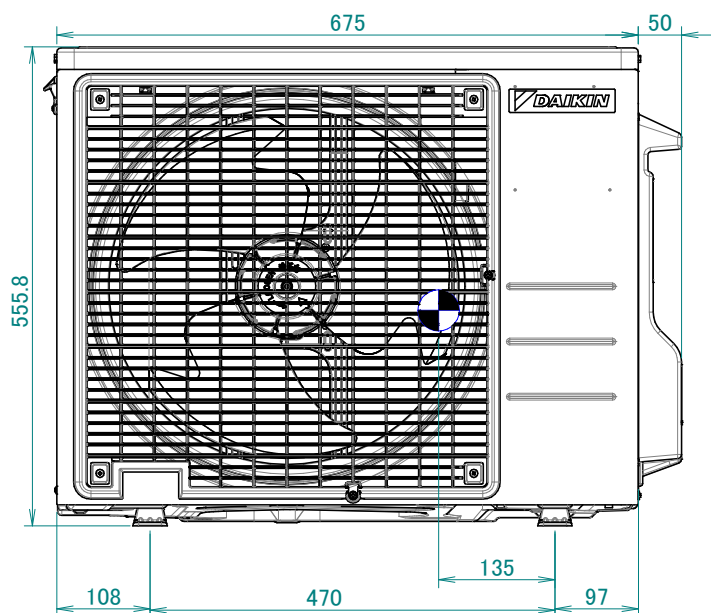
3D153218

6 Centre of gravity

6 - 1 Centre of Gravity

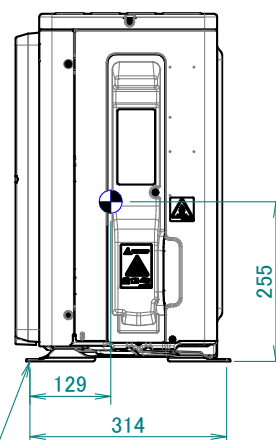
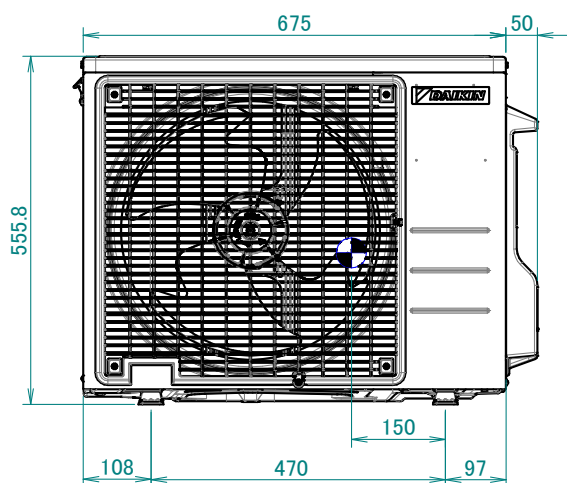
6

RXF20-35F
ARXF20-35F



4D144283

RXF42F
ARXF42F



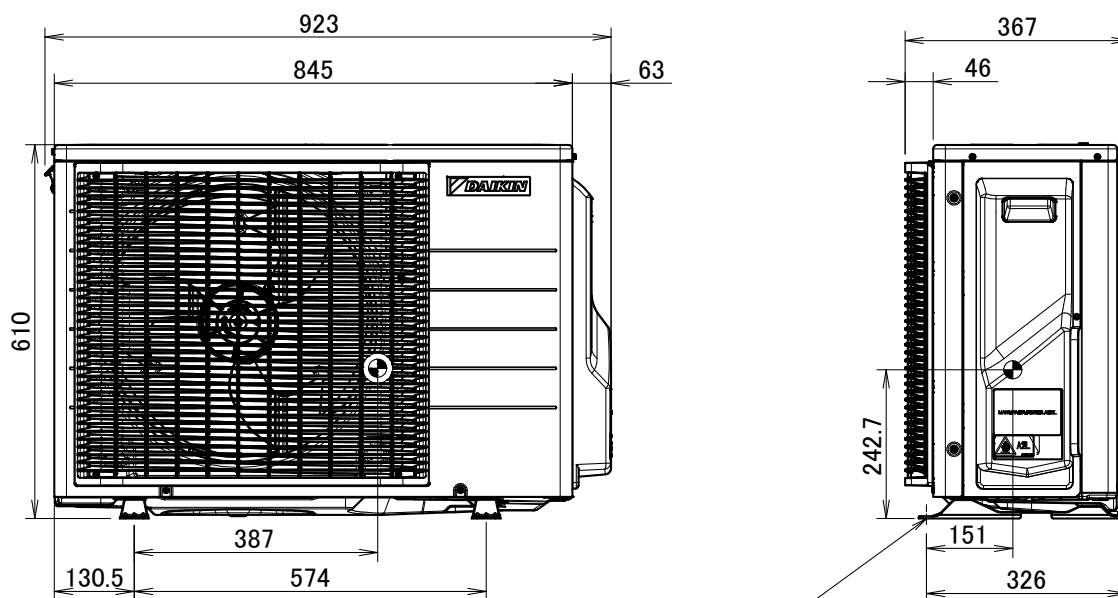
Foundation bolt hole

4D144285

6 Centre of gravity

6 - 1 Centre of Gravity

RXF50F
ARXF50F



Foundation bolt hole

4D148193

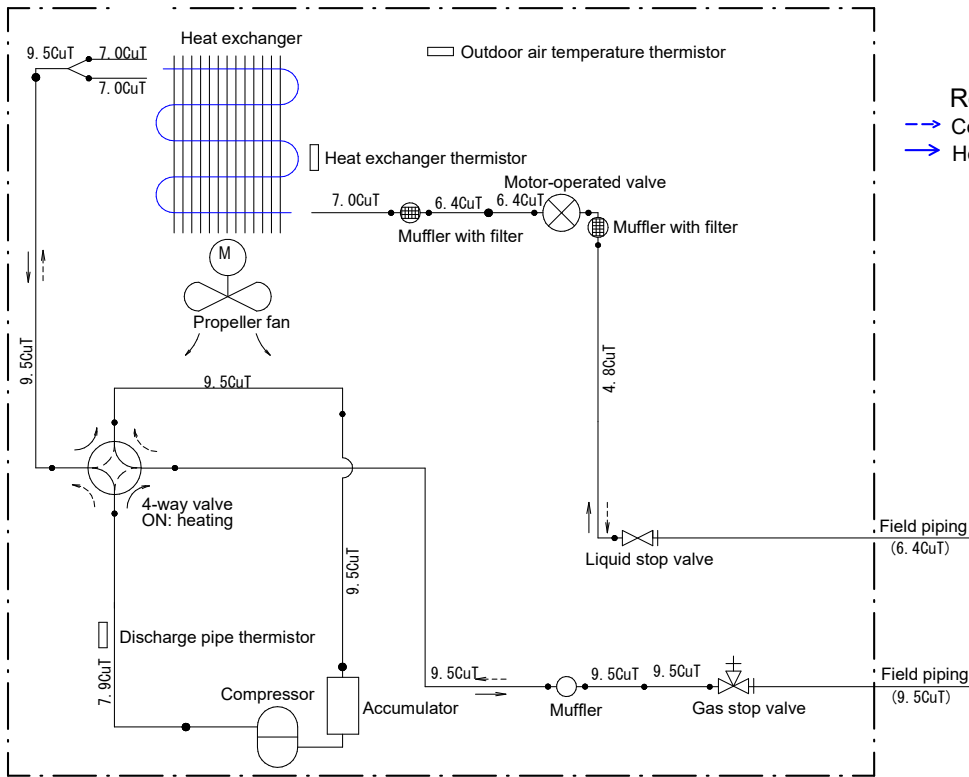
7 Piping diagrams

7 - 1 Piping Diagrams

7

RXF20-35F
ARXF20-35F

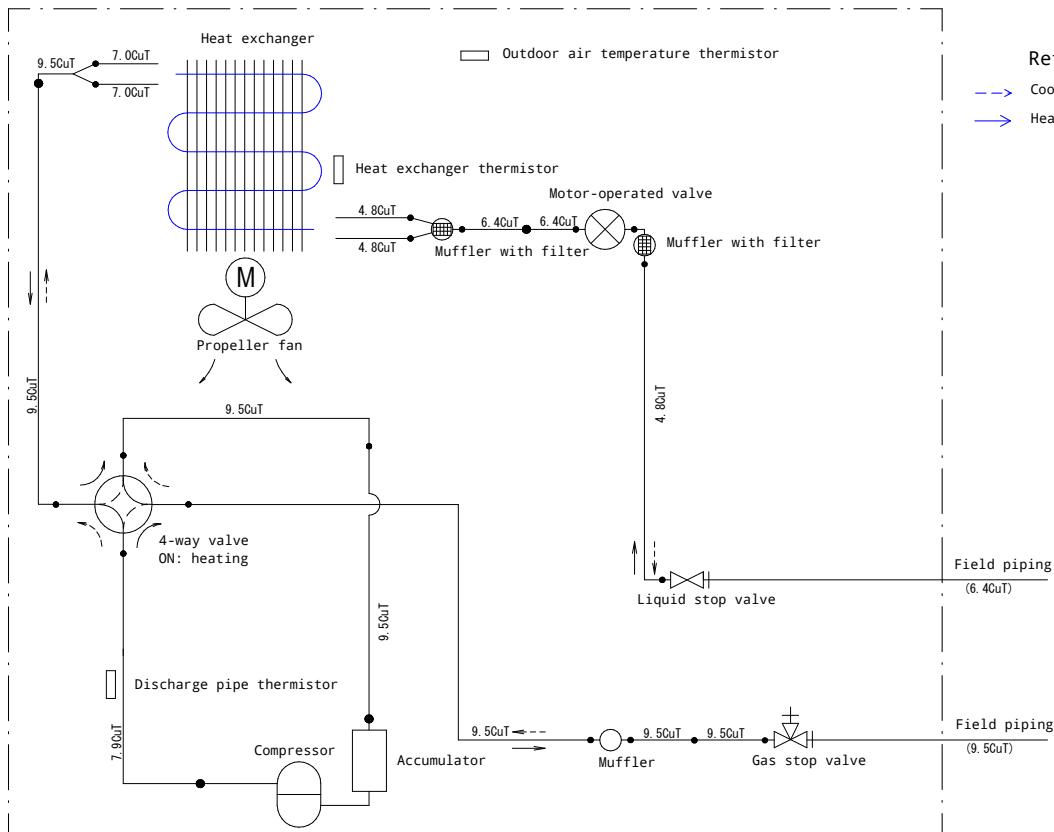
Outdoor unit



3D136644

RXF42F
ARXF42F

Outdoor unit



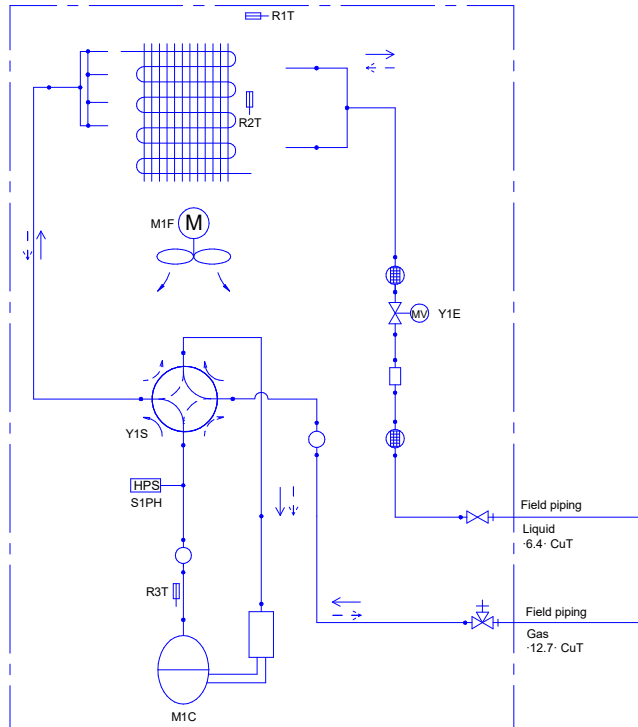
3D143574

7 Piping diagrams

7 - 1 Piping Diagrams

RXF50F
ARXF50F

Outdoor unit



Legend

- High pressure switch
- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Propeller fan
- Thermistor
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger
- Liquid receiver

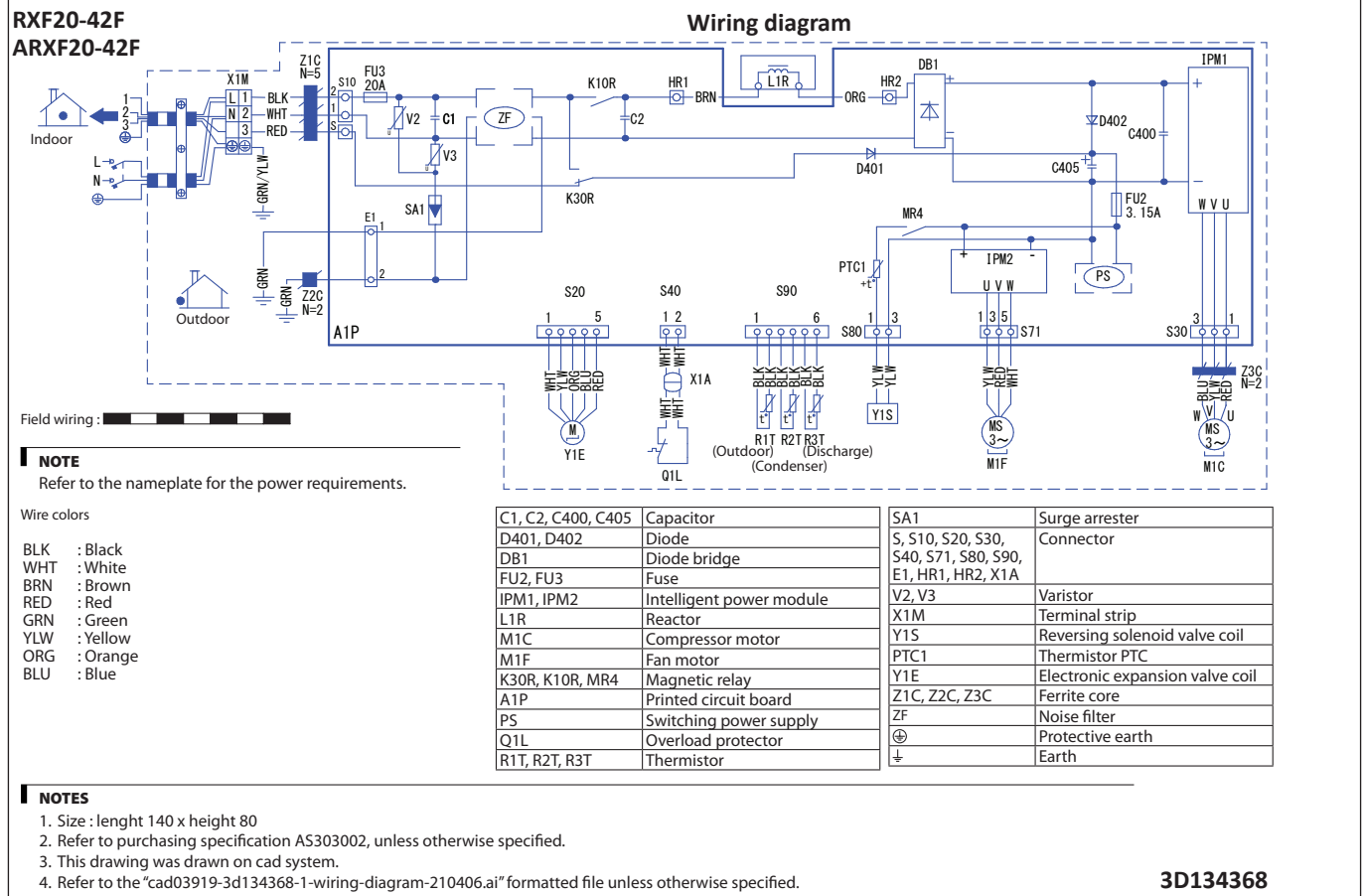
Refrigerant flow

- Cooling
- Heating

3D153079A

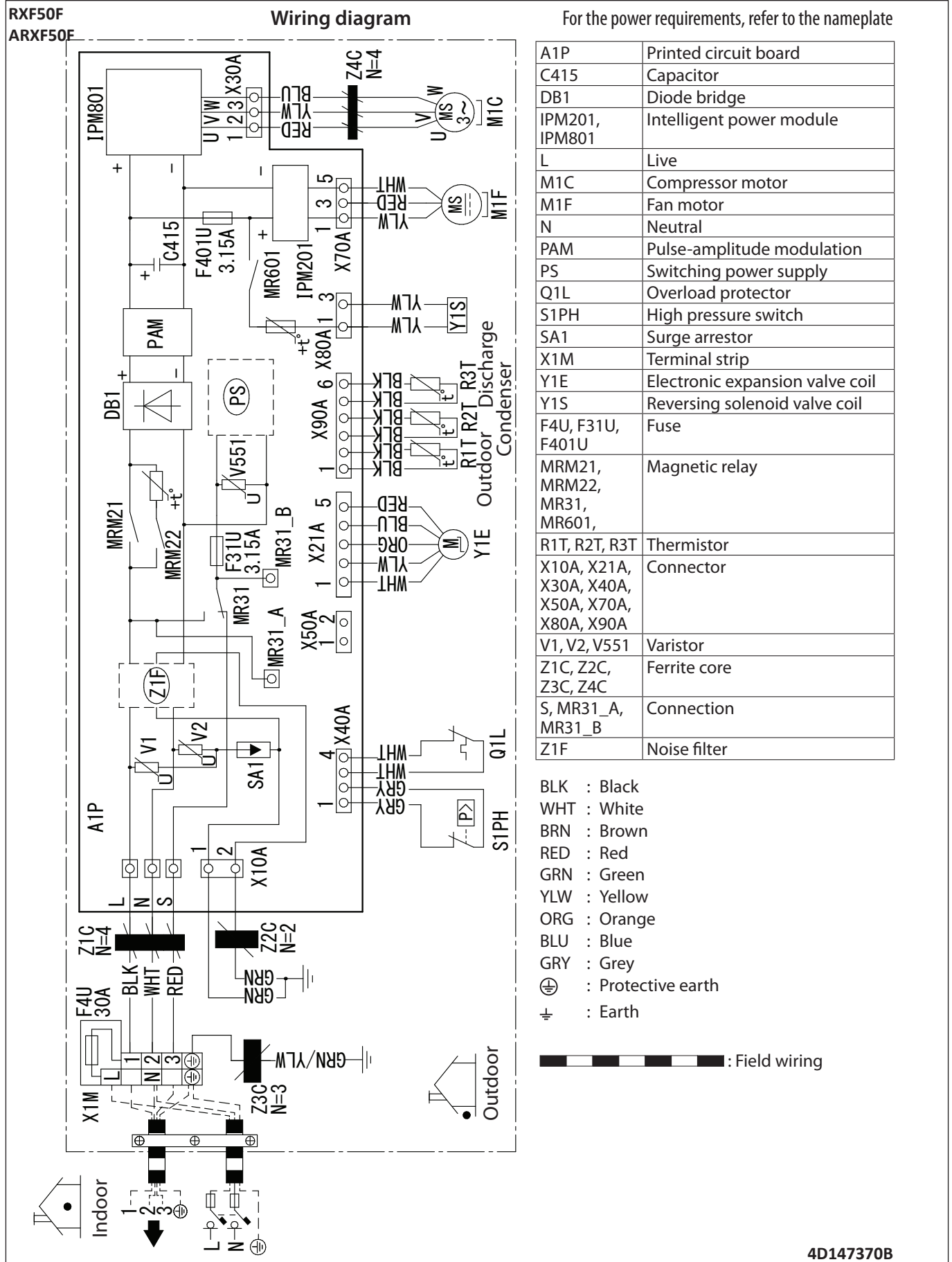
8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase



8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

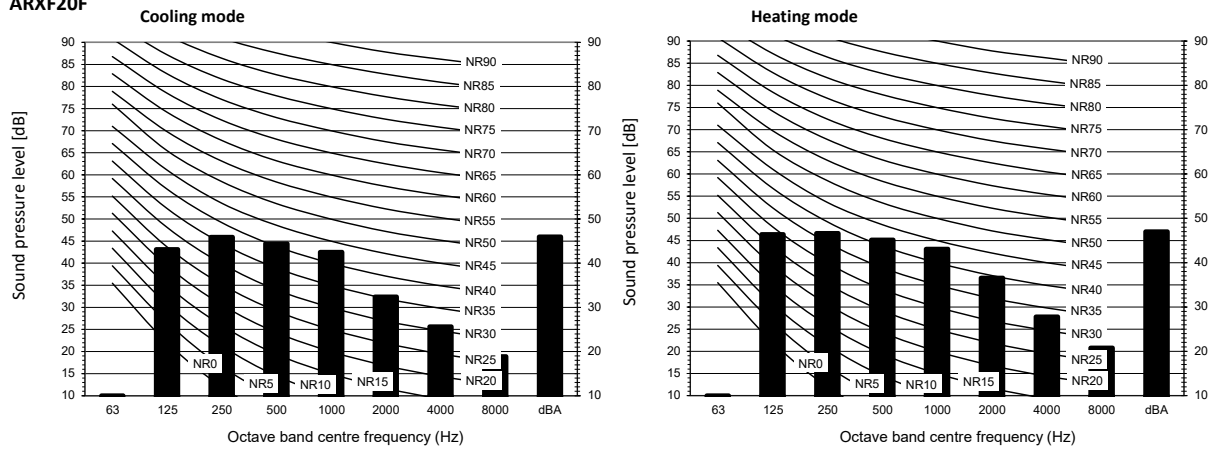


9 Sound data

9 - 1 Sound Pressure Spectrum

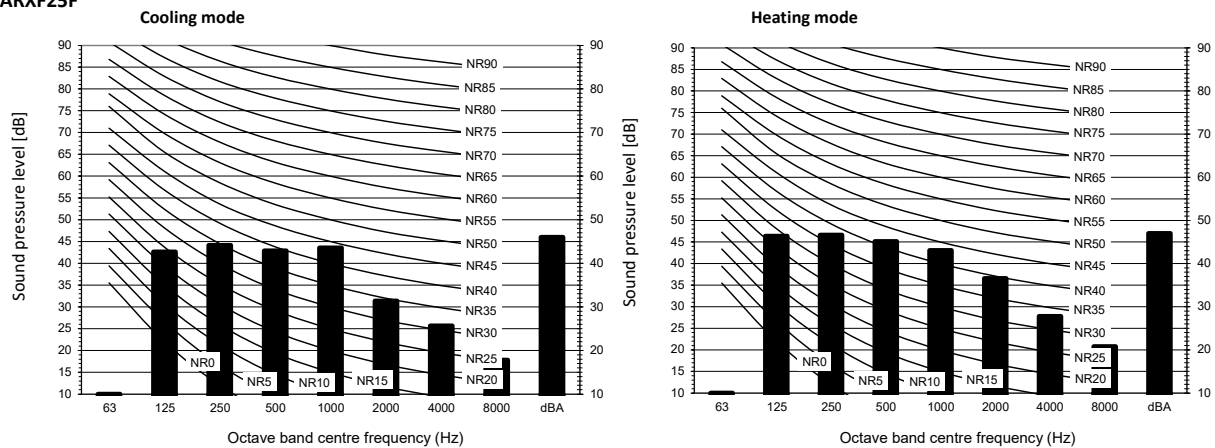
9

RXF20F
ARXF20F



4D131996

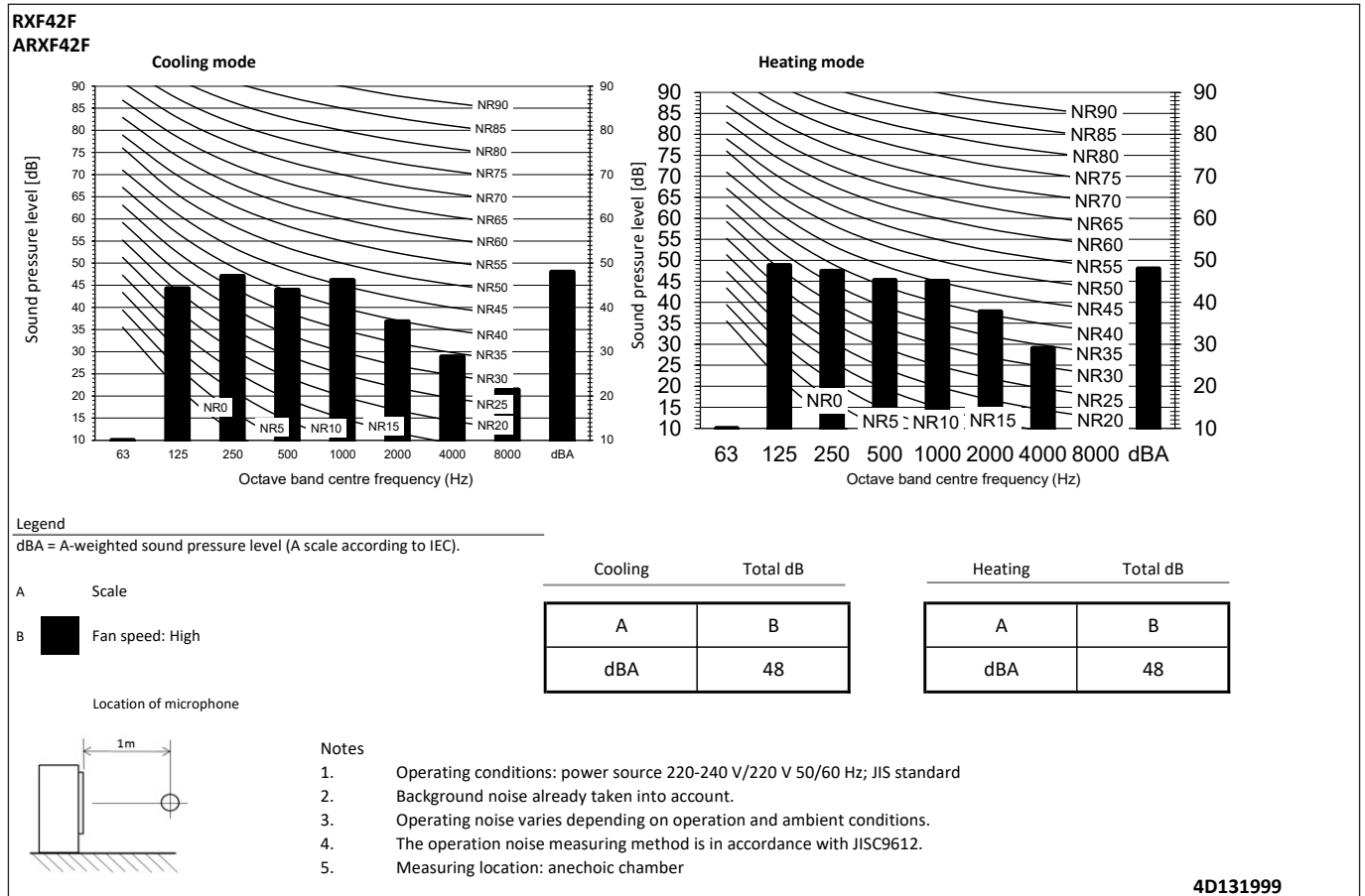
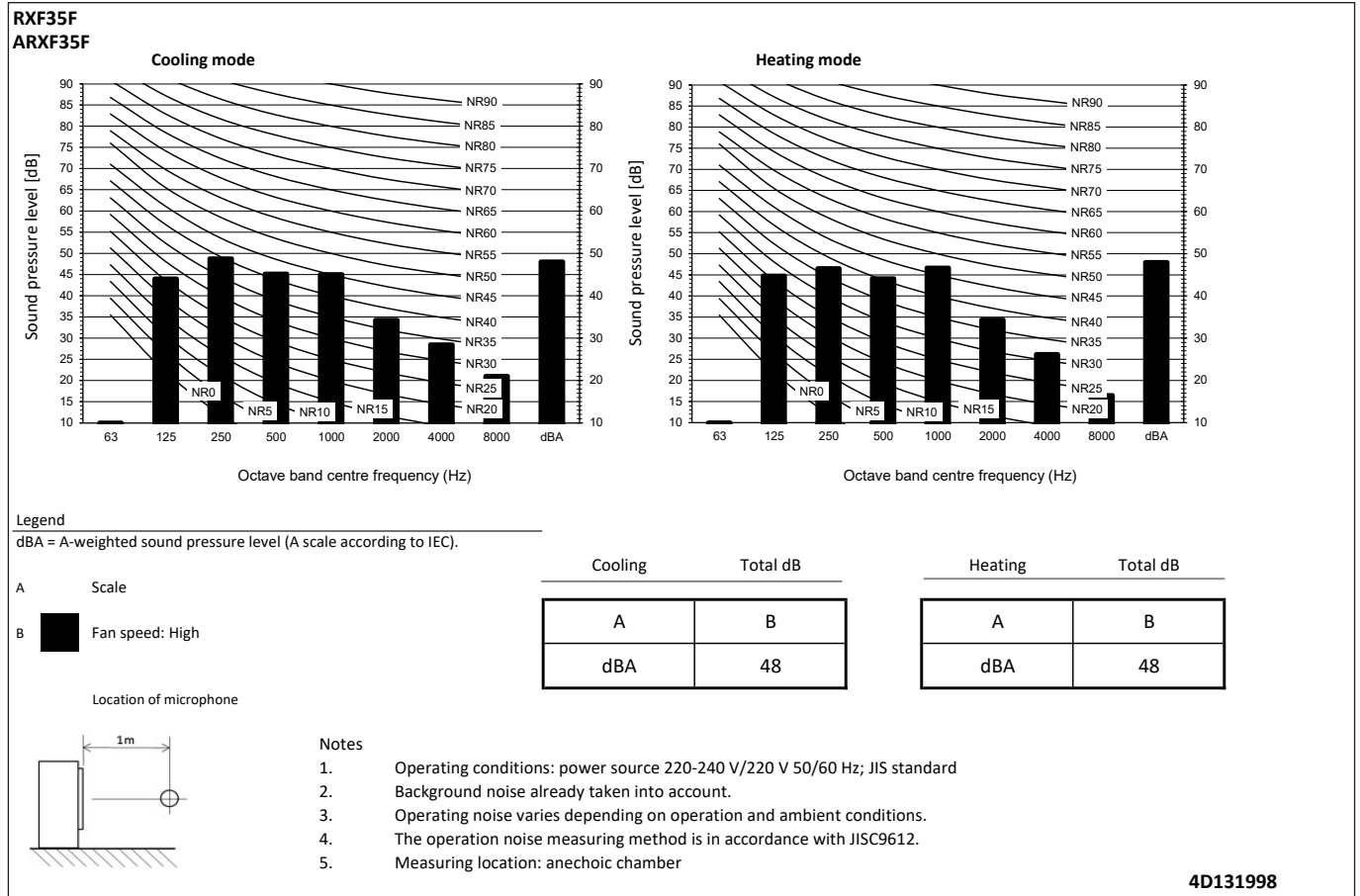
RXF25F
ARXF25F



4D131997

9 Sound data

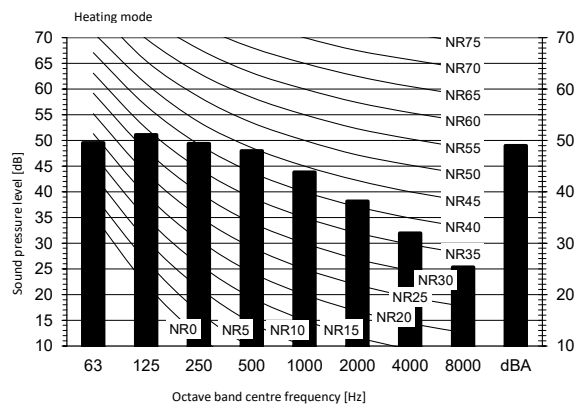
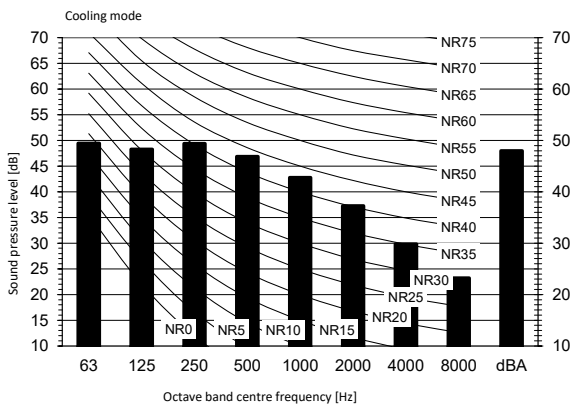
9 - 1 Sound Pressure Spectrum



9 Sound data

9 - 1 Sound Pressure Spectrum

RXF50F
ARXF50F



Legend

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

A Scale
B Fan speed: High

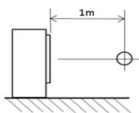
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	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

4D153717

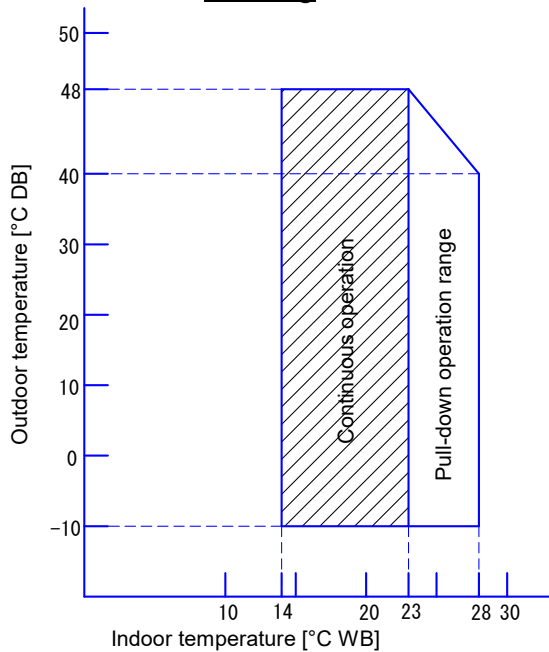
10 Operation range

10 - 1 Operation Range

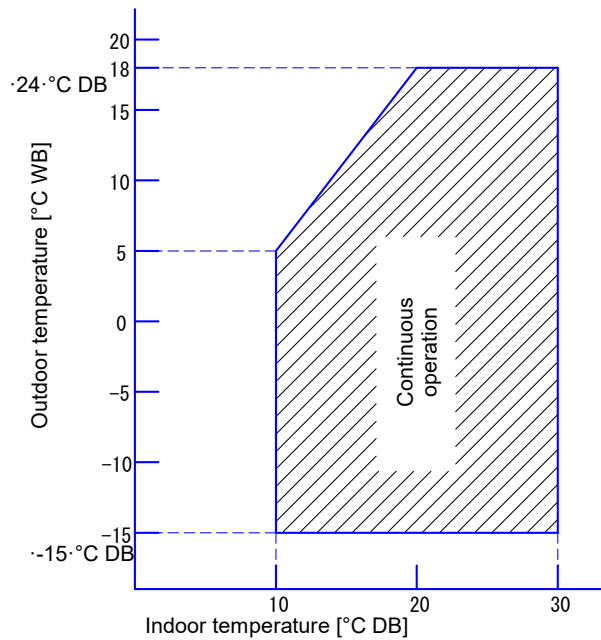
RXF-F

ARXF-F

Cooling



Heating



Notes

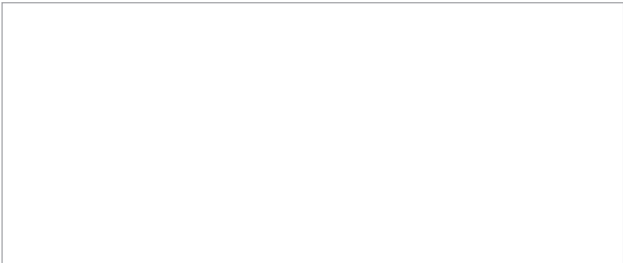
1. The graphs are based on the following conditions.

Corresponding refrigerant piping length: 5 m

Level difference: 0 m

Air flow rate High

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