



Air Conditioning Technical Data RXF-C



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RXF-C

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1 Features

1 - 1 RXF-C

- › 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

1

Inverter

2 Specifications

1 - 1 RXF-C

Technical specifications			FTXF20C + RXF20C	FTXF25C + RXF25C	FTXF35C + RXF35C	FTXF42C + RXF42C	
Indoor unit			FTXF20C5V1B	FTXF25C5V1B	FTXF35C5V1B	FTXF42C5V1B	
Outdoor unit			RXF20C5V1B	RXF25C5V1B	RXF35C5V1B	RXF42C5V1B	
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	
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.	0.31				
		Nom.	0.592	0.772	1.00	1.27	
		Max.	0.72	1.05	1.40	1.50	
	Heating	Min.	0.25				
		Nom.	0.640	0.750	0.940	1.24	
		Max.	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			A	
Space cooling	Capacity Pdesign	kW	2.00	2.50	3.50	4.20	
	Energy efficiency class	A++					
	SEER	6.22				6.50	
	Annual energy consumption	kWh/a	113	141	197	226	
Space heating (Average climate)	Capacity Pdesign	kW	2.20	2.40	2.60	3.30	
	Energy efficiency class	A+					
Space heating (Average climate)	SCOP/A	4.11				4.30	
	SCOPnet/A	4.15	4.16			4.36	
Space heating (Warm climate)	Pdh Heating capacity at -10°	kW	1.91	2.00	2.22	2.61	
	Annual energy consumption	kWh/a	749	817	885	1,075	
	Required back up heating cap at design conditions	kW	0.290	0.400	0.380	0.690	
	Capacity Pdesignh	kW	1.18	1.29	1.40	1.78	
	Energy efficiency class	A++		A+++	A++	A+++	
Space cooling	SCOP	5.00		5.13	4.80	5.35	
	SCOPnet	5.28		5.39	5.07	5.72	
	Annual energy consumption	kWh/a	330	352	409	466	
	Required back up heating cap at design conditions	0.00					
	Condition A (35°C - 27/19)	Pdc	kW	2.00	2.50	3.50	4.20
		EERd Power input	kW	3.38	3.24	3.15	3.30
	Condition B (30°C - 27/19)	Pdc	kW	1.47	1.84	2.58	3.09
		EERd Power input	kW	5.38	5.06	4.50	4.70
Condition C (25°C - 27/19)	Pdc	kW	0.273	0.363	0.573	0.657	
	EERd Power input	kW	1.14	1.18	1.66	1.99	
Condition D (20°C - 27/19)	Pdc	kW	7.64	7.43	7.57	7.91	
	EERd Power input	kW	0.149	0.159	0.219	0.252	
Condition (20°C - 27/19)	Pdc	kW	1.25		1.45	1.35	
	EERd Power input	kW	11.4		12.5	12.8	
Condition (20°C - 27/19)	Pdc	kW	0.110		0.116	0.105	
	EERd Power input	kW					

2 Specifications

1 - 1 RXF-C

2

Technical specifications					FTXF20C + RXF20C	FTXF25C + RXF25C	FTXF35C + RXF35C	FTXF42C + RXF42C
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C			-15			
		Pd _h (declared heating cap) kW			1.71		2.05	2.10
		COP _d (declared COP)			2.47		2.02	2.06
	Power input kW			0.692		1.01	1.02	
	TBivalent	Tbiv (bivalent temperature) °C			-7.0			
		Pd _h (declared heating cap) kW			1.95	2.12	2.30	2.92
		COP _d (declared COP)			2.78	2.75	2.63	2.70
		Power input kW			0.701	0.771	0.875	1.08
	A	Pd _h (declared heating cap) kW			1.95	2.12	2.30	2.92
		Condition COP _d (declared COP)			2.78	2.75	2.63	2.70
Power input kW			0.701	0.771	0.875	1.08		
Condition (-7°C)	Pd _h (declared heating cap) kW			1.18	1.29	1.40	1.78	
	Condition COP _d (declared COP)			4.17	4.11	4.27	4.36	
B	Power input kW			0.283	0.314	0.328	0.408	
	Pd _h (declared heating cap) kW							
Space heating (Average climate)	C	Pd _h (declared heating cap) kW			0.900			
		Condition COP _d (declared COP)			5.08			
		Power input kW			0.177			
D	Pd _h (declared heating cap) kW			1.00				
	Condition COP _d (declared COP)			7.06		6.10	7.10	
Power input kW			0.142		0.164	0.155		
Space heating (Warm climate)	TOL	Tol (temperature operating limit) °C			-15			
		Pd _h (declared heating cap) kW			1.71		2.05	2.10
		COP _d (declared COP)			2.47		2.02	2.06
	Power input kW			0.692		1.01	1.02	
	TBivalent	Tbiv (bivalent temperature) °C			2			
		Pd _h (declared heating cap) kW			1.18	1.29	1.40	1.78
		COP _d (declared COP)			4.17	4.11	4.27	4.36
		Power input kW			0.283	0.314	0.328	0.408
	B	Pd _h (declared heating cap) kW			1.18	1.29	1.40	1.78
		Condition COP _d (declared COP)			4.17	4.11	4.27	4.36
Condition (2°C)	Power input kW			0.283	0.314	0.328	0.408	
	Pd _h (declared heating cap) kW							
C	Pd _h (declared heating cap) kW			0.900				
	Condition COP _d (declared COP)			5.08				
Condition (7°C)	Power input kW			0.177				
	Pd _h (declared heating cap) kW			1.00				
D	Condition COP _d (declared COP)			7.06		6.10	7.10	
	Power input kW			0.142		0.164	0.155	
Power consumption in other than active mode	Crankcase heater mode PCK			W				
	Off mode POFF			W				
	Standby mode	Cooling PSB		W				
		Heating PSB		W				
	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			

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					RXF20C	RXF25C	RXF35C	RXF42C
Casing	Colour				Ivory white			

2 Specifications

1 - 1 RXF-C

Technical Specifications					RXF20C	RXF25C	RXF35C	RXF42C
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	25.5		26.0	28.0	
	Packed unit		kg		28		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
			Low	cfm	975		1,024	1,006
Heating		High	m ³ /min	27.1		28.0	27.5	
		Low	cfm	957		990	971	
Fan motor	Model				ZWA138S28A			
	Insulation grade				Class "E"			
	Output		W		26			
	Speed	Cooling	High	rpm	840		900	
			Low	rpm		700		
	Heating	High	rpm	870		900		
Low		rpm		720				
Compressor	Model				1YC25KXD#D			
	Oil Amount		cm ³		375			
	Type				Hermetically sealed swing compressor			
	Output		W		870.0			
	Oil Type				FW68DA			
Operation range	Cooling	Ambient	Min.	°CDB		-10		
			Max.	°CDB		46		
Operation range	Heating	Ambient	Min.	°CDB		-15		
			Max.	°CDB		24		
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		TCO ₂ Eq	0.300		0.370	0.510	
	GWP				675.0			
Piping connections	Liquid	OD		mm		6.35		
				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)		

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;

Electrical Specifications					RXF20C	RXF25C	RXF35C	RXF42C
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 - 50Hz	Maximum fuse amps (MFA)		A		16			

3 Electrical data

3 - 1 Electrical Data

3

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXF20C5V1B	RXF20C5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	8,02	16	36,0	3,2	0,024	0,171	0,029	0,41
		50	230					3,4				
		50	240					3,2				
FTXF25C5V1B	RXF25C5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	8,09	16	50,0	3,4	0,033	0,235	0,029	0,41
		50	230					3,5				
		50	240					3,4				
FTXF35C5V1B	RXF35C5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	9,30	16	68,0	4,3	0,033	0,235	0,037	0,52
		50	230					4,5				
		50	240					4,3				
FTXF42C5V1B	RXF42C5V1B	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				
ATXF20C5V1B	ARXF20C5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	8,02	16	36,0	3,2	0,024	0,171	0,029	0,41
		50	230					3,4				
		50	240					3,2				
ATXF25C5V1B	ARXF25C5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	8,09	16	50,0	3,4	0,033	0,235	0,029	0,41
		50	230					3,5				
		50	240					3,4				
ATXF35C5V1B	ATXF35C5V1B	50	220	Maximum -50-Hz -264-V Minimum -50-Hz -198-V	9,30	16	68,0	4,3	0,033	0,235	0,037	0,52
		50	230					4,5				
		50	240					4,3				
ATXF42C5V1B	ATXF42C5V1B	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				

<p>Symbols</p> <p>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]</p>	<p>Notes</p> <p>1) The 'RLA' is based on the following conditions. Outdoor temperature -35°C DB Indoor temperature -27°C DB / -19°C WB</p> <p>2) Select the wire size according to the MCA.</p> <p>3) The maximum allowable voltage that is unbalanced between phases is -2%.</p> <p>4) Use a circuit breaker instead of a fuse.</p>
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4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FTXF20C / RXF20C
ATXF20C / ARXF20C

Cooling ·220-240V 50Hz·

AFR	8,3
BF	0,22

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]																	
		20			25			30			32			35			40		
		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 ·220-240V 50Hz·

AFR	9,7
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Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,19	0,42	1,43	0,43	1,67	0,45	1,92	0,61	2,56	0,64	2,81	0,66
20	1,12	0,43	1,36	0,44	1,60	0,48	1,84	0,62	2,50	0,65	2,73	0,67
22	1,09	0,43	1,33	0,45	1,57	0,48	1,81	0,62	2,47	0,66	2,69	0,68
24	1,06	0,43	1,30	0,45	1,54	0,49	1,78	0,64	2,43	0,66	2,66	0,68
25	1,04	0,44	1,28	0,45	1,52	0,49	1,76	0,64	2,41	0,67	2,64	0,68
27	1,01	0,44	1,25	0,48	1,49	0,49	1,74	0,64	2,38	0,67	2,61	0,69

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

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5,0· m
Level difference: ·0·m
- The bold cells indicate the standard conditions.

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- SHC: Sensible heat capacity [kW]
- AFR: Air flow rate [m³/min]
- BF: Bypass factor

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FTXF25C / RXF25C
ATXF25C / ARXF25C

Cooling ·220-240V 50Hz·

AFR	8,5
BF	0,22

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	2,08	0,62	2,44	2,03	0,67	2,33	1,97	0,73	2,28	1,95	0,75	2,21	1,92	0,78	2,10	1,86	0,83
16	22	2,68	2,05	0,61	2,56	1,99	0,67	2,44	1,94	0,72	2,40	1,92	0,75	2,33	1,89	0,78	2,21	1,84	0,84
18	25	2,79	2,17	0,61	2,68	2,12	0,67	2,56	2,07	0,72	2,51	2,06	0,75	2,44	2,03	0,78	2,33	1,98	0,84
19	27	2,85	2,31	0,61	2,73	2,27	0,67	2,62	2,22	0,72	2,57	2,20	0,75	2,50	2,18	0,78	2,38	2,13	0,84
22	30	3,02	2,24	0,63	2,91	2,20	0,68	2,79	2,16	0,74	2,74	2,14	0,76	2,67	2,12	0,79	2,56	2,08	0,84
24	32	3,14	2,19	0,62	3,02	2,15	0,67	2,90	2,12	0,73	2,86	2,10	0,76	2,79	2,08	0,79	2,67	2,04	0,85

Heating ·220-240V 50Hz·

AFR	9,7
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Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,33	0,49	1,61	0,52	1,87	0,54	2,15	0,71	2,89	0,74	3,15	0,77
20	1,25	0,51	1,52	0,53	1,79	0,55	2,06	0,72	2,80	0,76	3,05	0,78
22	1,22	0,51	1,48	0,53	1,75	0,56	2,03	0,73	2,76	0,76	3,01	0,79
24	1,19	0,52	1,46	0,54	1,73	0,56	2,00	0,74	2,73	0,77	2,98	0,79
25	1,17	0,52	1,44	0,54	1,71	0,56	1,98	0,74	2,71	0,77	2,96	0,80
27	1,14	0,52	1,41	0,55	1,67	0,58	1,95	0,75	2,67	0,78	2,92	0,80

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

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5,0· m
Level difference: ·0·m
- The bold cells indicate the standard conditions.

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- SHC: Sensible heat capacity [kW]
- AFR: Air flow rate [m³/min]
- BF: Bypass factor

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4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FTXF35C / RXF35C
ATXF35C / ARXF35C

AFR	11,8
BF	0,23

Cooling ·220-240V 50Hz·

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]																	
		20			25			30			32			35			40		
		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 ·220-240V 50Hz·

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

Indoor air temperature [°C DB]	Outdoor air temperature [°C WB]											
	-15		-10		-5		0		6		10	
	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-.

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5,0- m
Level difference: -0-m
- The bold cells indicate the standard conditions.

Symbols

- TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

3D131716

FTXF42C / RXF42C
ATXF42C / ARXF42C

AFR	12,6
BF	0,23

Cooling ·220-240V 50Hz·

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]																	
		20			25			30			32			35			40		
		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 ·220-240V 50Hz·

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

Indoor air temperature [°C DB]	Outdoor air temperature [°C WB]											
	-15		-10		-5		0		6		10	
	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-.

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5,0- m
Level difference: -0-m
- The bold cells indicate the standard conditions.

Symbols

- TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

3D131734

5 Dimensional drawings

5 - 1 Dimensional Drawings

RXF-C

Drain outlet
Connection hose (inside diameter: 15.9mm)

373

241

205

470

96

4 holes for anchor bolts
(M8 or M10)

Brand name label

Handle

275

45

12

Nameplate

558

50

5100

Manufacturer label

Outdoor air temperature thermistor

Product liability label

In case of removing the stop valve cover.

Wiring intake

Caution label

Liquid stop valve
(φ8.45(T))

Gas stop valve
(φ9.50(T))

Service port

108

168

155

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

100

150

50

100

50

100

150

50

100

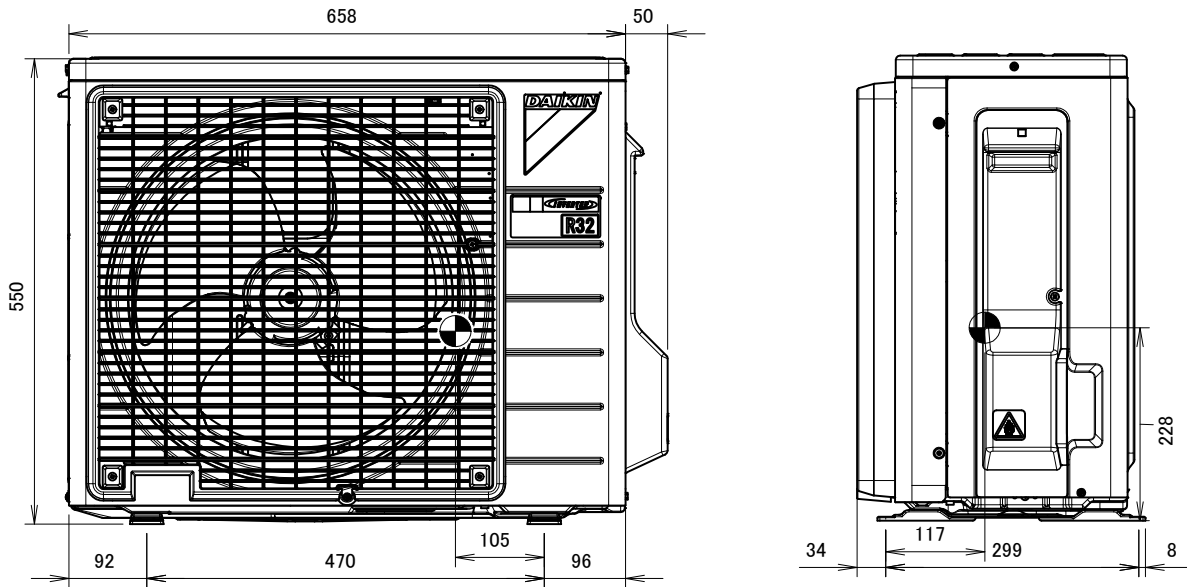
2D113526

6 Centre of gravity

6 - 1 Centre of Gravity

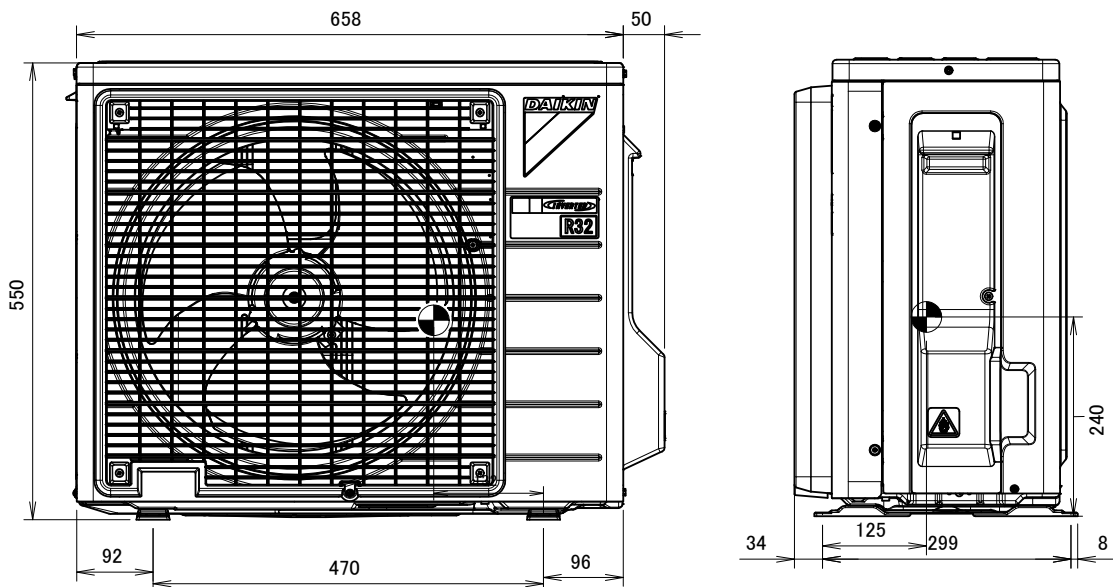
6

RXF20-35C



4D116239

RXF42C

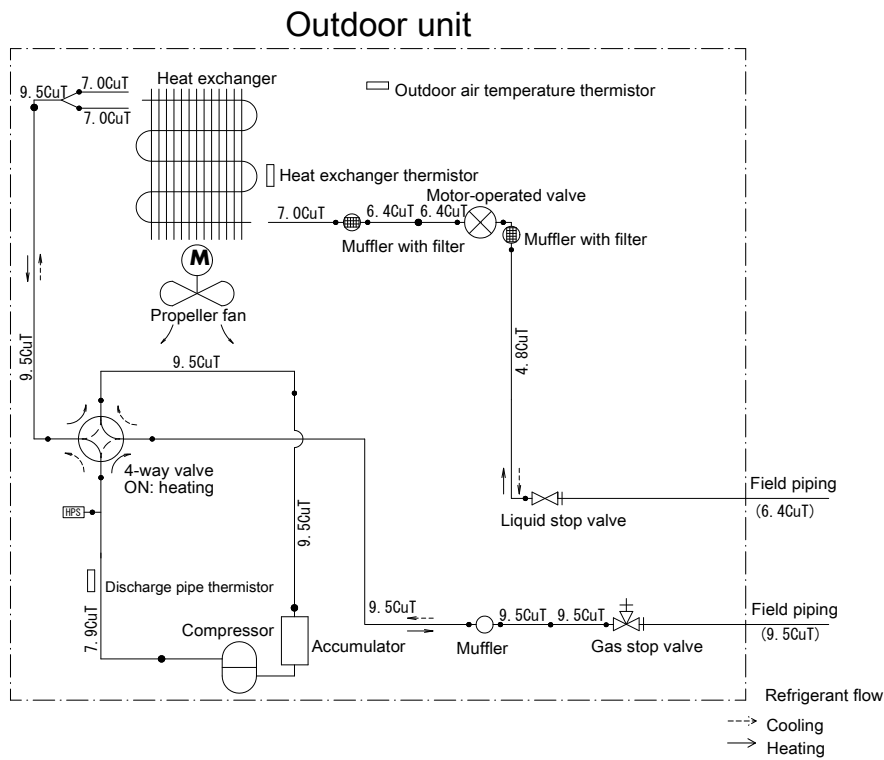


4D116242

7 Piping diagrams

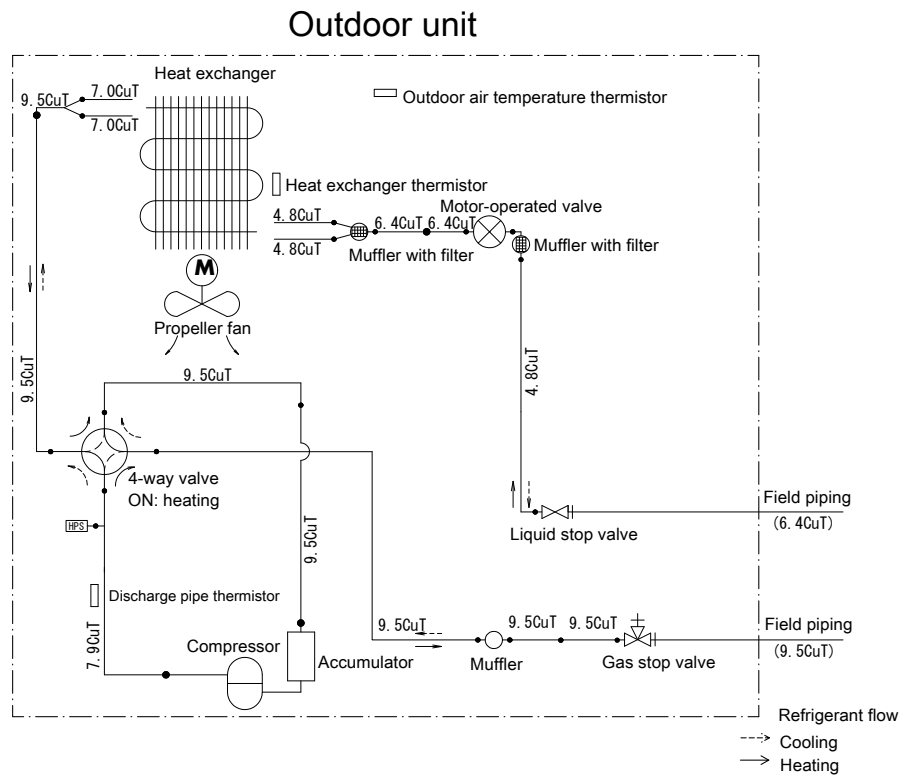
7 - 1 Piping Diagrams

RXF20-35C



3D116254

RXF42C



3D114612A

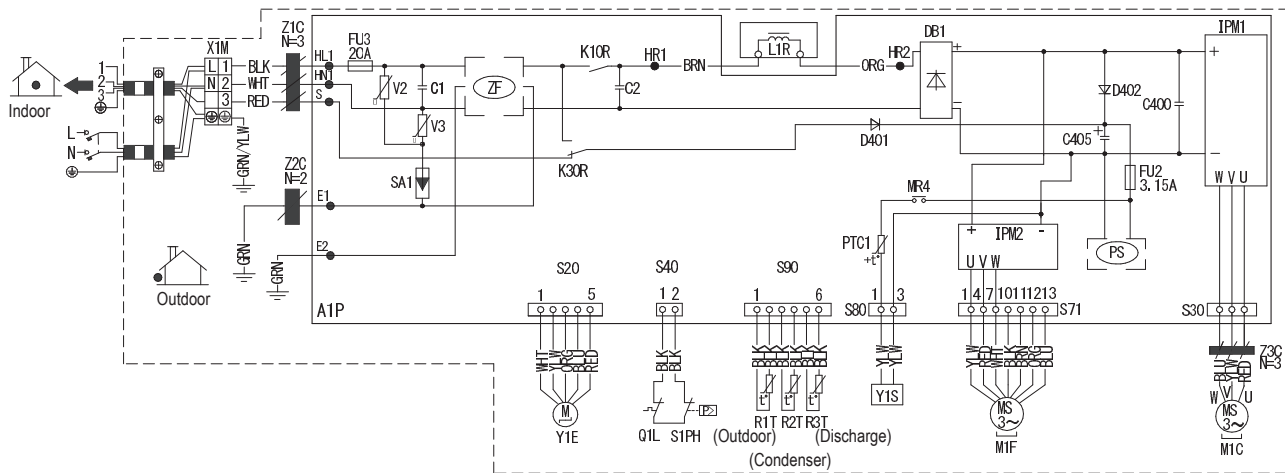
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

8

RXF-C

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

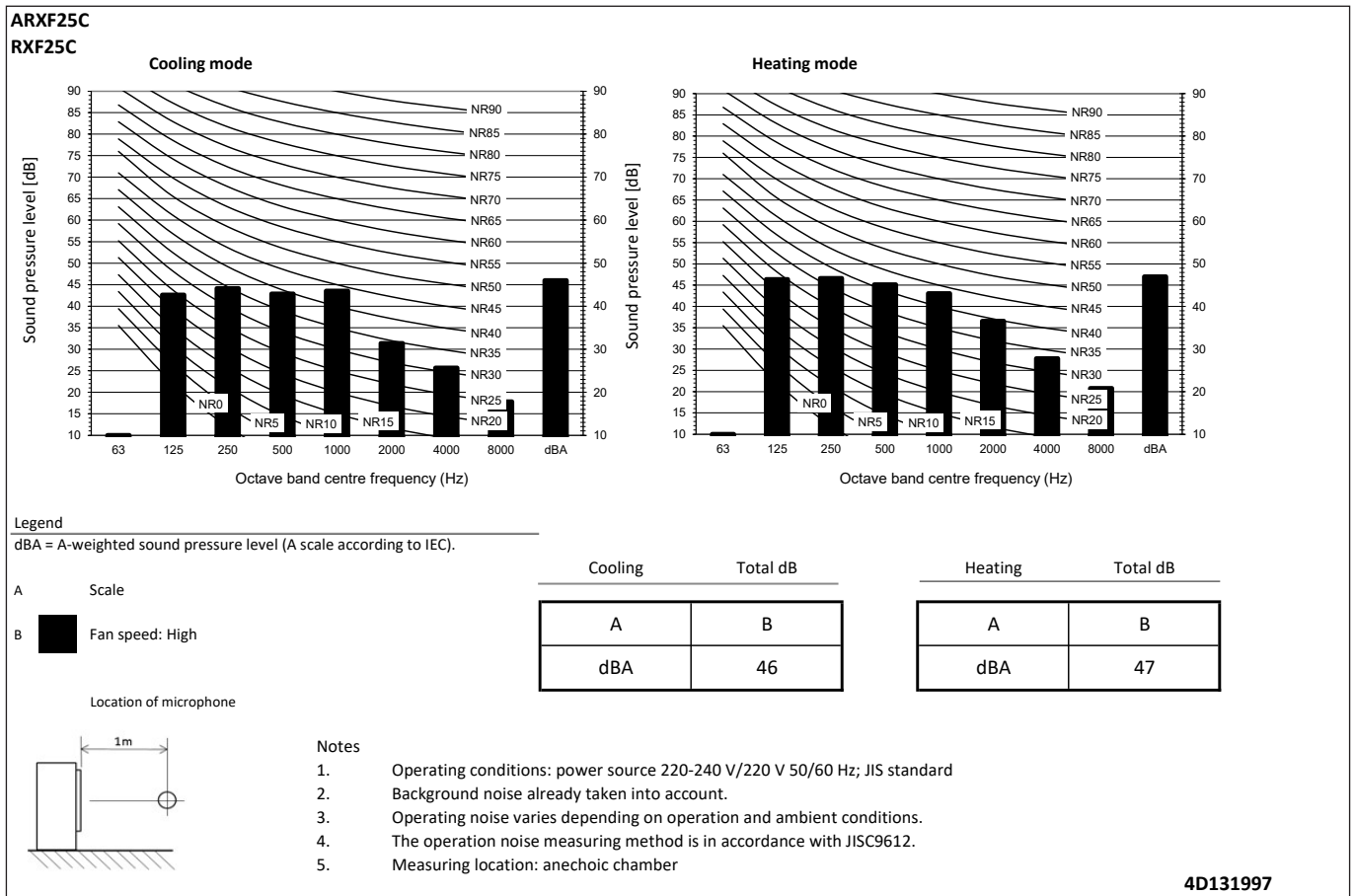
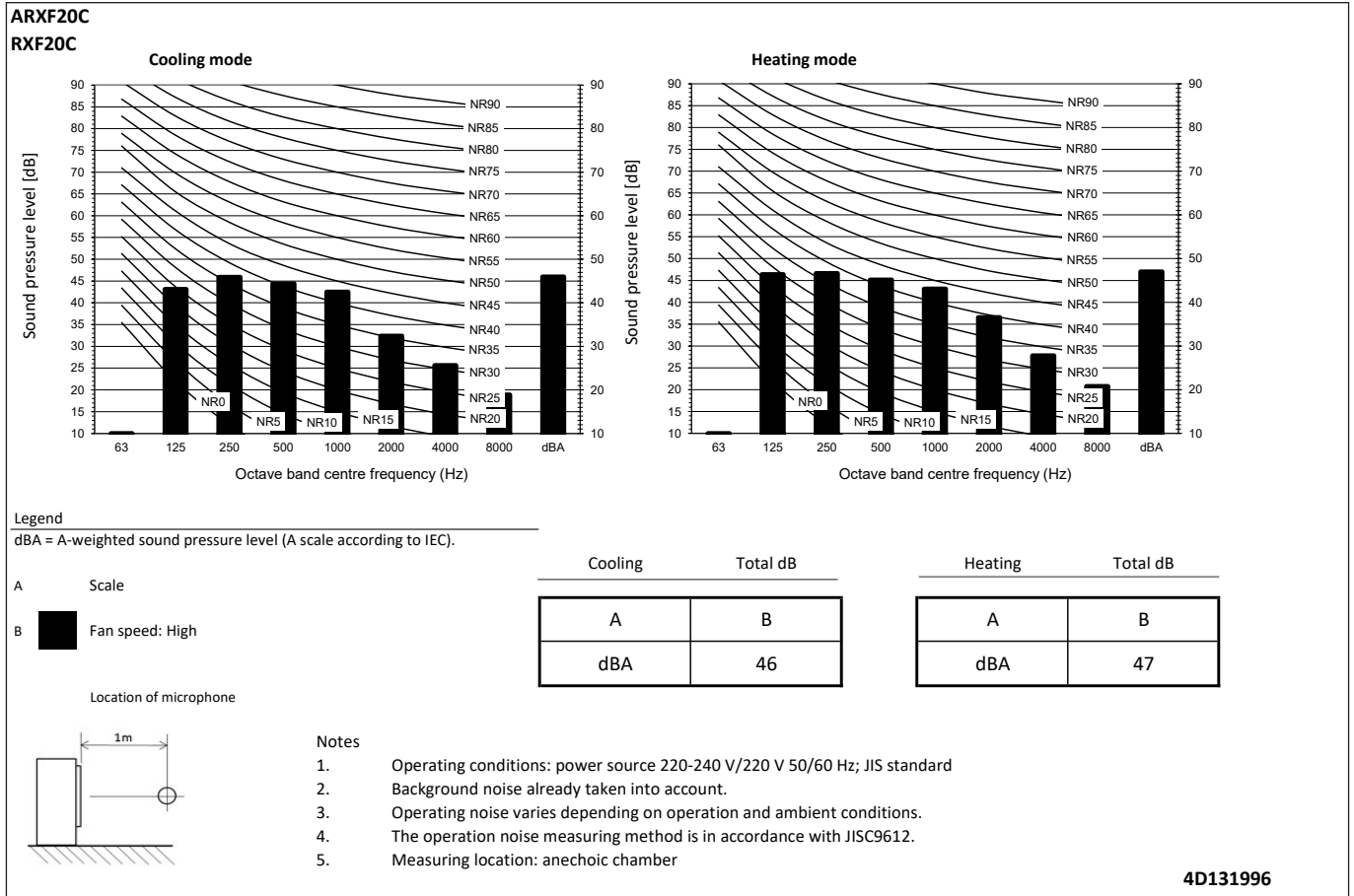
NOTES

1. Refer to the nameplate for the power requirements.

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9 Sound data

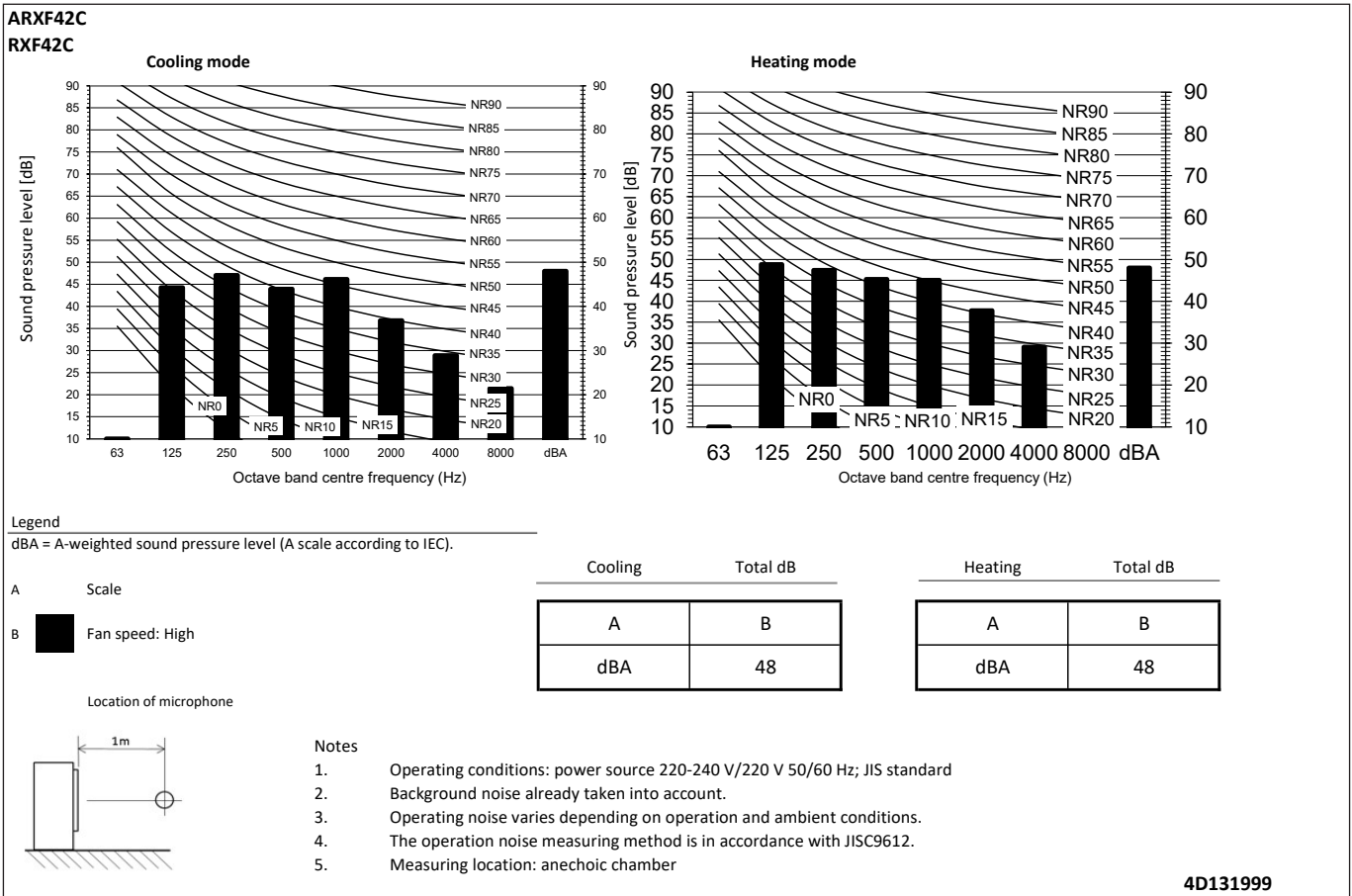
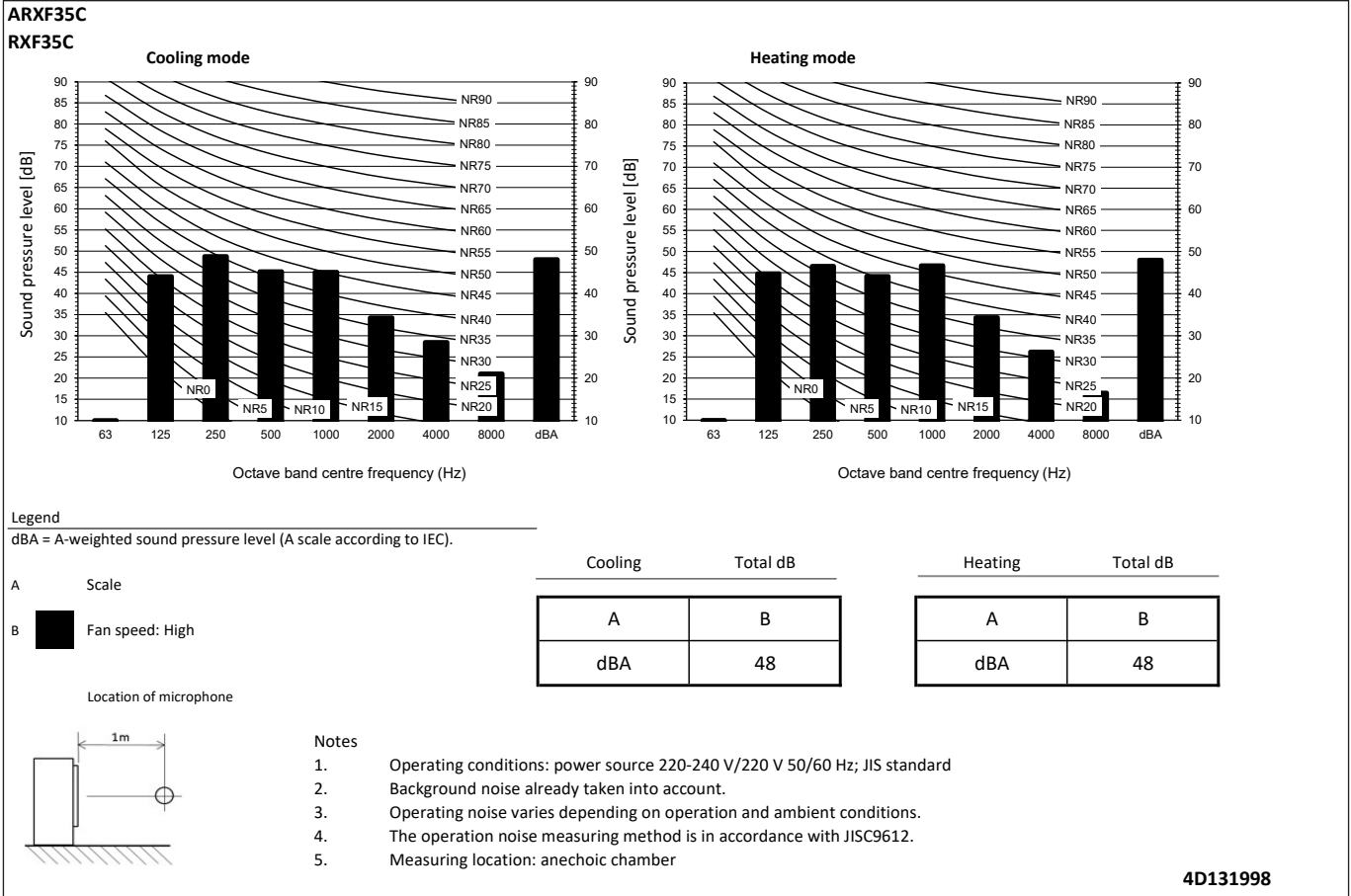
9 - 1 Sound Pressure Spectrum



9 Sound data

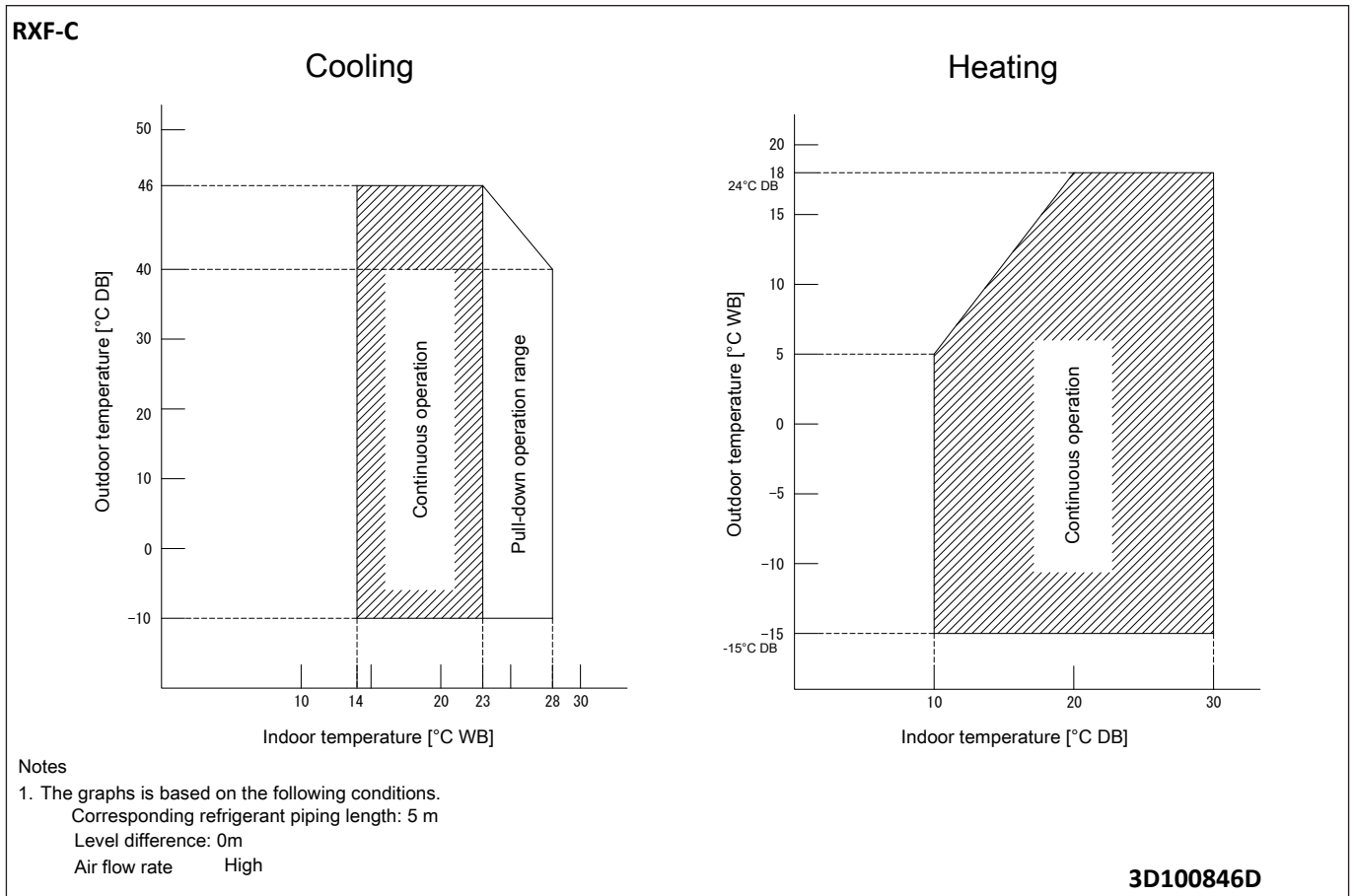
9 - 1 Sound Pressure Spectrum

9

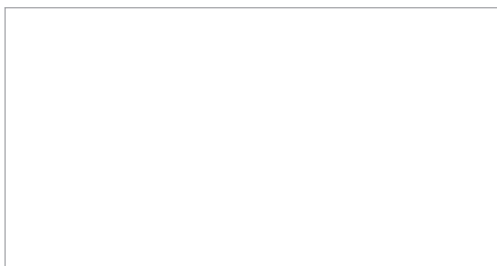


10 Operation range

10 - 1 Operation Range



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