

Air Conditioning Technical Data RXF-E



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RXF-E

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1 Features

1 - 1 RXF-E

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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

2 Specifications

2 - 1 Specifications

Technical specifications				FTXF20E + RXF20E	FTXF25E + RXF25E	FTXF35E + RXF35E	FTXF42E + RXF42E
Indoor unit				FTXF20E5V1B	FTXF25E5V1B	FTXF35E5V1B	FTXF42E5V1B
Outdoor unit				RXF20E5V1B	RXF25E5V1B	RXF35E5V1B	RXF42E5V1B
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)				-			-
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			4.20			4.30
	SCOPnet/A			4.25			4.36
	PdH Heating capacity at -10°		kW	1.86	1.97	2.21	2.61
	Annual energy consumption		kWh/a	733	801	867	1,075
	Required back up heating cap at design conditions		kW	0.340	0.430	0.390	0.690
	Capacity	Pdesignh	kW	1.18	1.29	1.40	1.78
Space heating (Warm climate)	Energy efficiency class			A+++			
	SCOP			5.20	5.22	5.26	5.25
	SCOPnet			5.50			5.61
	Annual energy consumption		kWh/a	318	346	373	475
	Required back up heating cap at design conditions		kW	0.00			
Space cooling	A Condi- tion (35°C - 27/19)	Pdc	kW	2.00	2.50	3.50	4.20
		EERd		3.38	3.24	3.10	3.30
	B Condi- tion (30°C - 27/19)	Power input	kW	0.592	0.772	1.13	1.27
		Pdc	kW	1.47	1.84	2.58	3.09
	C Condi- tion (25°C - 27/19)	EERd		5.41	4.79	4.64	4.70
		Power input	kW	0.272	0.395	0.556	0.657
	D Condi- tion (20°C - 27/19)	Pdc	kW	1.14	1.18	1.66	1.99
		EERd		8.52	8.41	8.55	7.91
		Power input	kW	0.134	0.137	0.194	0.242
		Pdc	kW	1.30			1.35
		EERd		11.7			11.9
		Power input	kW	0.111			0.113

2 Specifications

2 - 1 Specifications

2

Technical specifications					FTXF20E + RXF20E	FTXF25E + RXF25E	FTXF35E + RXF35E	FTXF42E + RXF42E	
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)			2.55		2.00		2.06
		Power input kW			0.670		1.03		1.02
	TBivalent	Tbiv (bivalent temperature) °C			-7.0				
		Pdh (declared heating cap) kW			1.95	2.12	2.30		
		COPd (declared COP)			2.69		2.60	2.66	
		Power input kW			0.725	0.788	0.885	1.10	
	A Con- dition (-7°C)	Pdh (declared heating cap) kW			1.95	2.12	2.30	2.92	
		COPd (declared COP)			2.69		2.60	2.66	
		Power input kW			0.725	0.771	0.875	1.08	
Space heating (Average climate)	B Condi- tion (2°C)	Pdh (declared heating cap) kW			1.18	1.29	1.40	1.78	
		COPd (declared COP)			4.20	4.18		4.44	
	Power input kW			0.281	0.309	0.335	0.401		
	C Condi- tion (7°C)	Pdh (declared heating cap) kW			0.920		0.930	1.14	
		COPd (declared COP)			5.66	5.62	5.65	5.42	
		Power input kW			0.163	0.164	0.165	0.210	
	D Condi- tion (12°C)	Pdh (declared heating cap) kW			1.06	1.10			
		COPd (declared COP)			6.98	6.85	6.86	6.88	
		Power input kW			0.152	0.155	0.160		
	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)			2.55		2.00		2.06		
Power input kW			0.670		1.03		1.10		
TBivalent		Tbiv (bivalent temperature) °C			2				
		Pdh (declared heating cap) kW			1.18	1.29	1.40	1.78	
		COPd (declared COP)			4.20	4.18	4.44		
		Power input kW			0.281	0.309	0.335	0.401	
B Condi- tion (2°C)		Pdh (declared heating cap) kW			1.18	1.29	1.40	1.78	
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		Power input kW			0.163	0.164	0.165	0.210	
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		COPd (declared COP)			6.98	6.85	6.86	6.88	
		Power input kW			0.152	0.155	0.160		
Power consump- tion in other than active mode		Crank- case heater mode	PCK W			0.00			
	Off mode POFF W			1.00					
	Standby mode	Cooling	PSB	W	1.00				
		Heating	PSB	W	1.0				
	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.	dB _A	60		61		
		Cooling	Nom.	dB _A	53	54		59	
	Piping length	Cooling	Measuring con- dition	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

2 Specifications

2 - 1 Specifications

Technical Specifications					RXF20E	RXF25E	RXF35E	RXF42E
Casing	Colour				Ivory white			
Dimensions	Unit	Height		mm	556			
		Width		mm	740			
		Depth		mm	343			
	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	m³/min	27.6	29.0	28.5	
				cfm	975	1,024	1,006	
		Heating	High	m³/min	27.1	28.0	27.5	
				cfm	957	990	971	
Fan motor	Model			DFC03Z1VA				
	Insulation grade			Class "E"				
	Output			28				
	Speed	Cooling	High	rpm	760	820		
			Low	rpm	640			
	Heating	High	rpm	790	820			
			Low	rpm	550			
Compressor	Model			1Y078BKAX1P#D			1Y091BKCX1P#G	
	Oil Amount			cm³			400	375
	Type			Hermetically sealed swing compressor				
	Output			W				700.0
	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.		dB(A)	60.0		62.0	
Sound pressure level	Cooling	High		dB(A)	46.0		48.0	
	Heating	High		dB(A)	47.0		48.0	
Refrigerant	Type			R-32				
	Charge			kg	0.420	0.550	0.750	
	GWP			675.0				
Piping connections	Liquid	OD		mm	6			
		Gas		mm	9.50			
		Drain		mm	18			
	Piping length	OU - IU	Max.	m	20			
		Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
		Level dif-ference	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					RXF20E	RXF25E	RXF35E	RXF42E
Power supply	Phase				1~			
	Frequency				Hz			
	Voltage				V			
Wiring connections	For power supply	Quantity				3		
		Remark				Earth wire included		
	For connection with indoor	Quantity				4		
		Remark				Earth wire included		

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

3 Electrical data

3 - 1 Electrical Data

FTXF-E / RXF-E ATXF-E / ARXF-E

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
FTXF20E5V1B	RXF20E5V1B	50	220	Maximum :50-Hz :264-V Minimum :50-Hz :198-V	8,02	16	43,0	3,2	0,024	0,171	0,029	0,41
		50	230					3,4				
		50	240					3,2				
FTXF25E5V1B	RXF25E5V1B	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				
FTXF35E5V1B	RXF35E5V1B	50	220	Maximum :50-Hz :264-V Minimum :50-Hz :198-V	9,30	16	75,0	4,5	0,033	0,235	0,037	0,52
		50	230					4,7				
		50	240					4,5				
FTXF42E5V1B	RXF42E5V1B	50	220	Maximum :50-Hz :264-V Minimum :50-Hz :198-V	9,38	16	86,0	5,5	0,030	0,229	0,050	0,60
		50	230					5,6				
		50	240					5,4				
ATXF20E5V1B	ARXF20E5V1B	50	220	Maximum :50-Hz :264-V Minimum :50-Hz :198-V	8,02	16	43,0	3,2	0,024	0,171	0,029	0,41
		50	230					3,4				
		50	240					3,2				
ATXF25E5V1B	ARXF25E5V1B	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				
ATXF35E5V1B	ARXF35E5V1B	50	220	Maximum :50-Hz :264-V Minimum :50-Hz :198-V	9,30	16	75,0	4,5	0,033	0,235	0,037	0,52
		50	230					4,7				
		50	240					4,5				
ATXF42E5V1B	ARXF42E5V1B	50	220	Maximum :50-Hz :264-V Minimum :50-Hz :198-V	9,38	16	86,0	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]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXF20E / RXF20E

Cooling · 220-240V 50Hz·

AFR	9,8
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	10,4
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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	1,09	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·.

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

3D144299

FTXF25E / RXF25E

Cooling · 220-240V 50Hz·

AFR	10,0
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	0,61	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 · 220-240V 50Hz·

AFR	10,4
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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	0,48	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·.

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

3D144309

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXF35E / RXF35E

Cooling · 220-240V 50Hz·

AFR	11,5
BF	0,23

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 DB]											
	-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

3D144310

FTXF42E / RXF42E

Cooling · 220-240V 50Hz·

AFR	12,6
BF	0,23

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	2,19	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 DB]											
	-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

3D144311

6 Centre of gravity

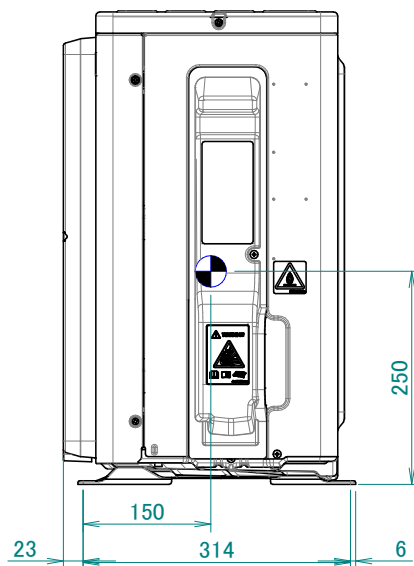
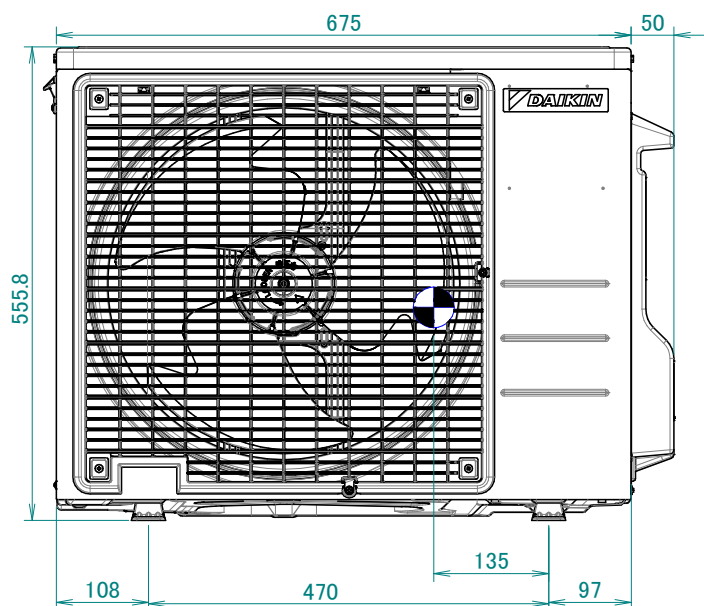
6 - 1 Centre of Gravity

6

ARXP20-25N

ARXF20-35E

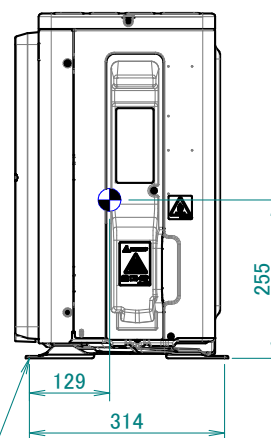
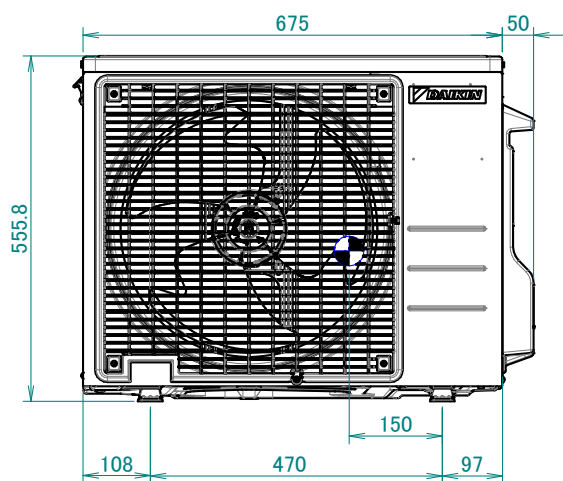
RXF20-35E



4D144283

RXF42E

ARXF42E



Foundation bolt hole

4D144285

7 Piping diagrams

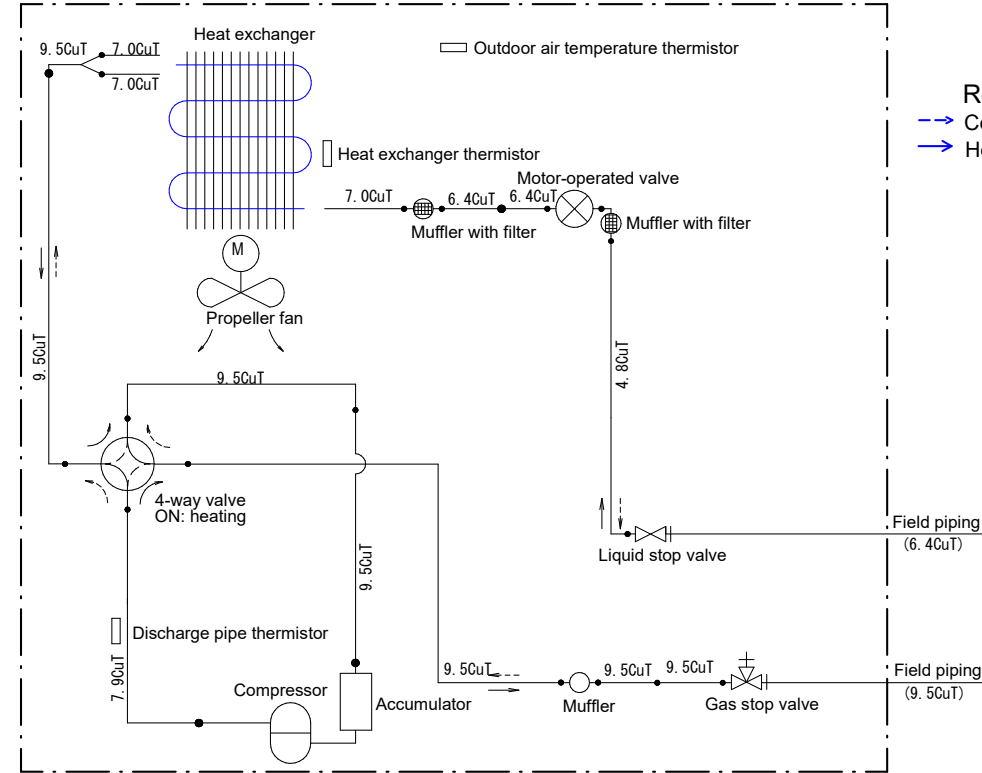
7 - 1 Piping Diagrams

ARXF20-35E

RXF20-35E

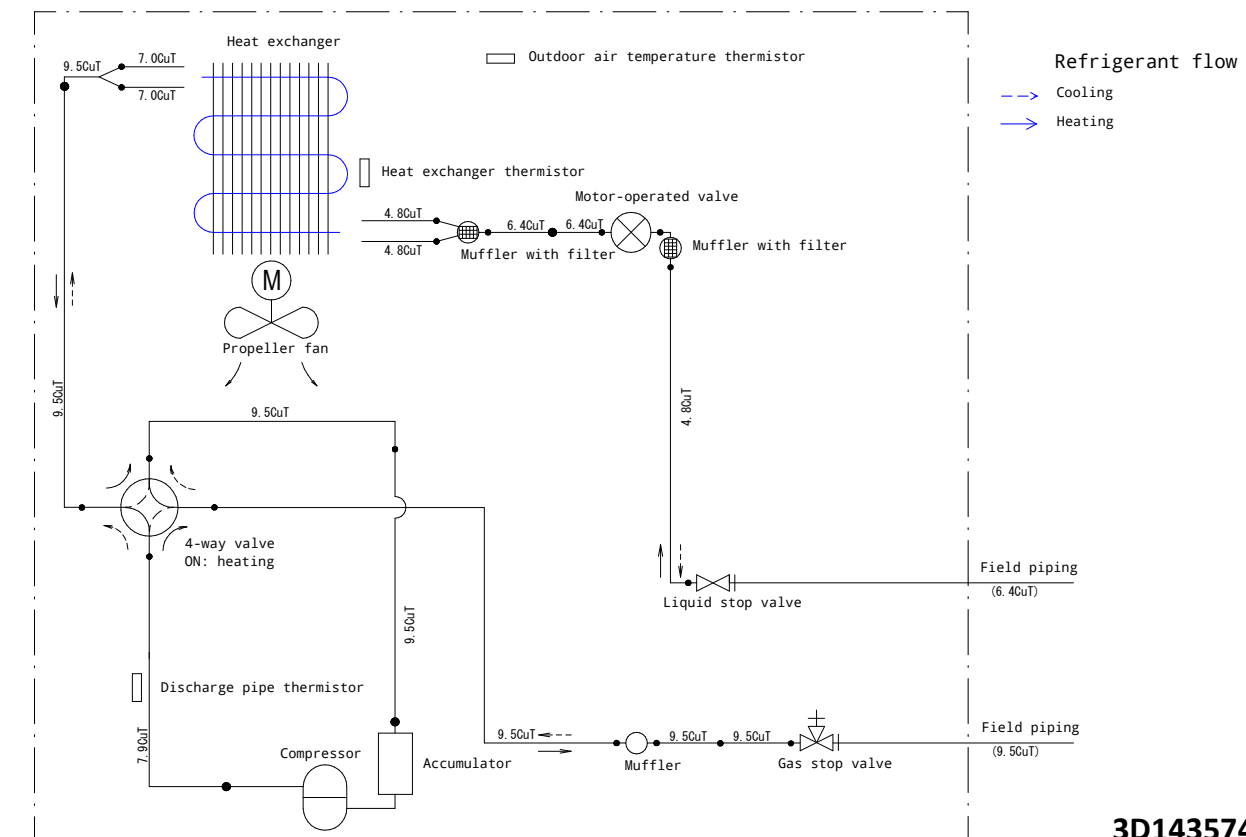
ARXP20-25N

Outdoor unit



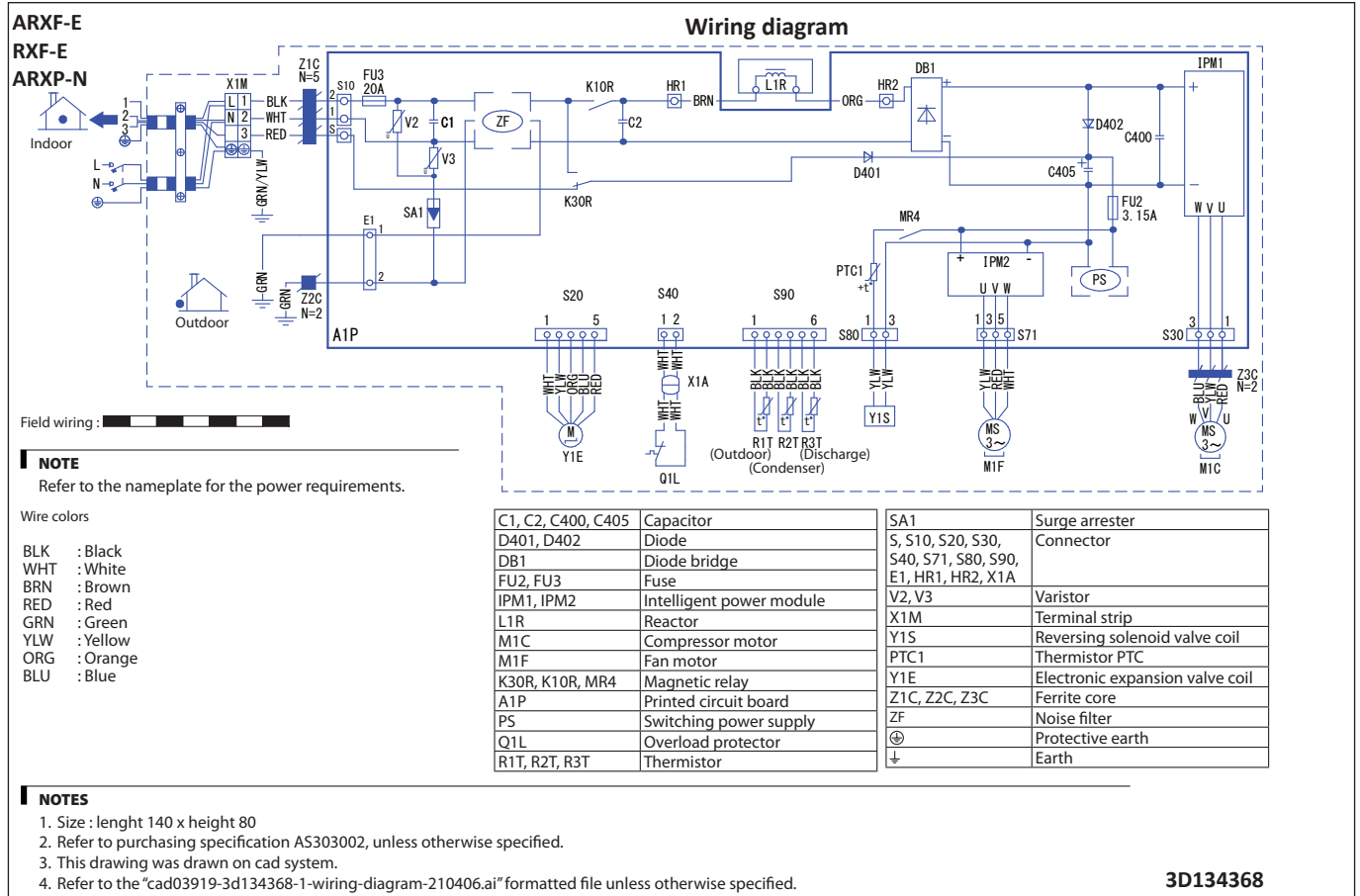
ARXP35N / ARXF42E / RXF42E

Outdoor unit



8 Wiring diagrams

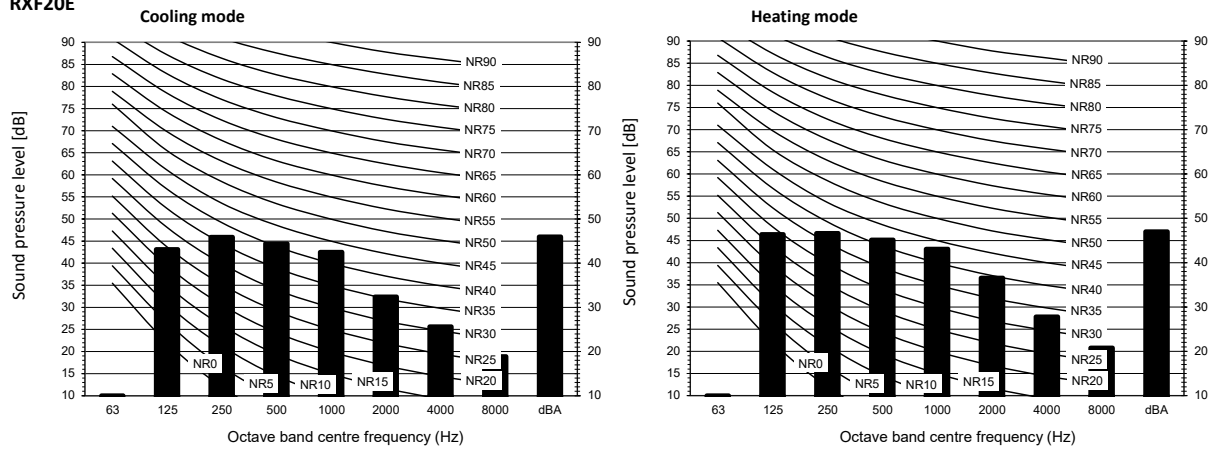
8 - 1 Wiring Diagrams - Three Phase



9 Sound data

9 - 1 Sound Pressure Spectrum

ARXF20E RXF20E



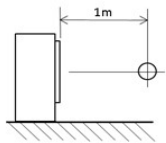
Legend

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

A Scale

B Fan speed: High

Location of microphone



Notes

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

Cooling Total dB

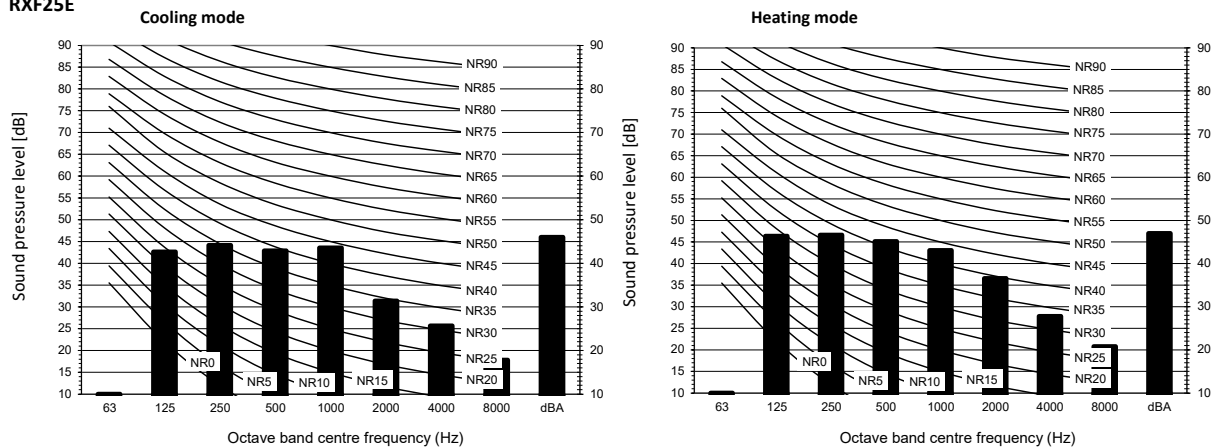
A	B
dBA	46

Heating Total dB

A	B
dBA	47

4D131996

ARXF25E RXF25E



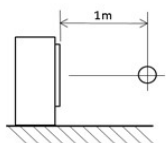
Legend

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

A Scale

B Fan speed: High

Location of microphone



Notes

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

Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

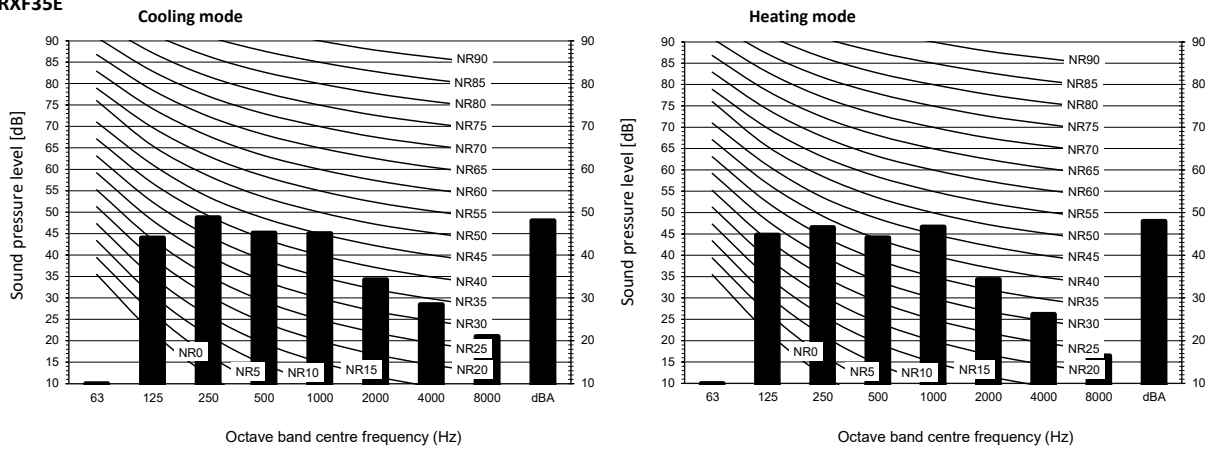
4D131997

9 Sound data

9 - 1 Sound Pressure Spectrum

9

ARXF35E RXF35E



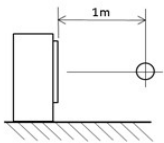
Legend

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

A Scale

B Fan speed: High

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

Cooling Total dB

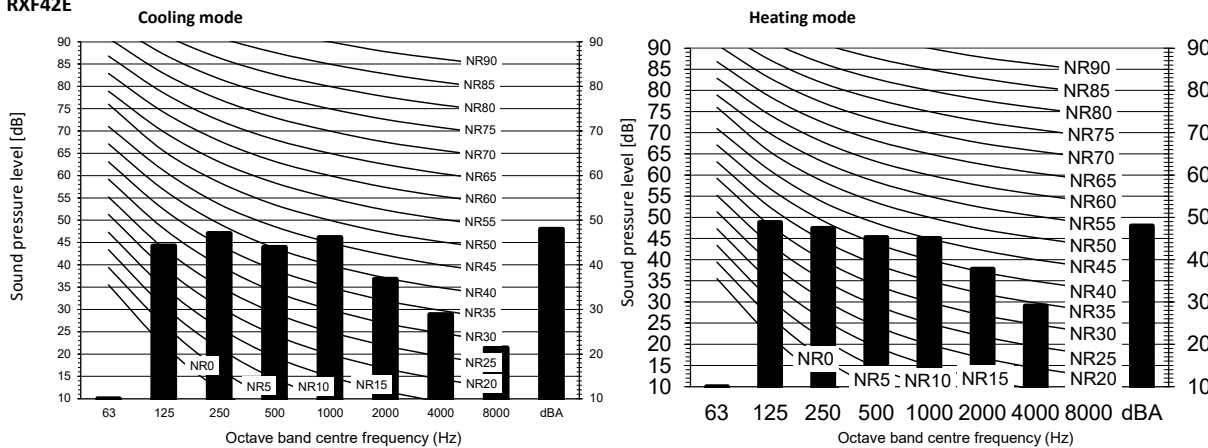
A	B
dBA	48

Heating Total dB

A	B
dBA	48

4D131998

ARXF42E RXF42E



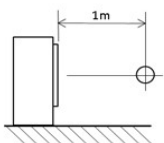
Legend

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

A Scale

B Fan speed: High

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

Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	48

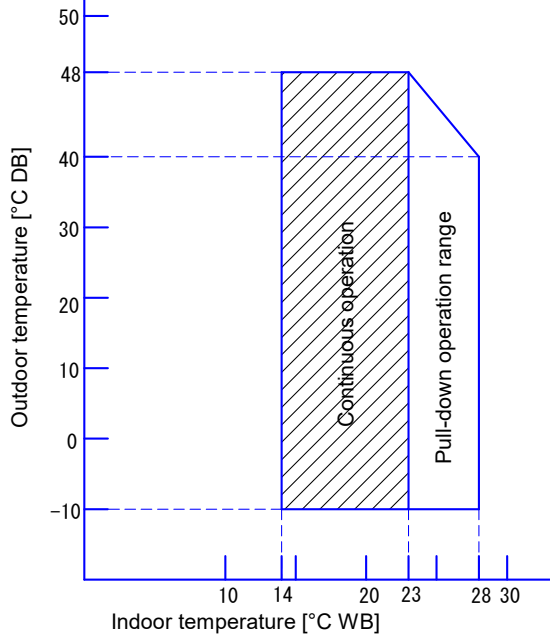
4D131999

10 Operation range

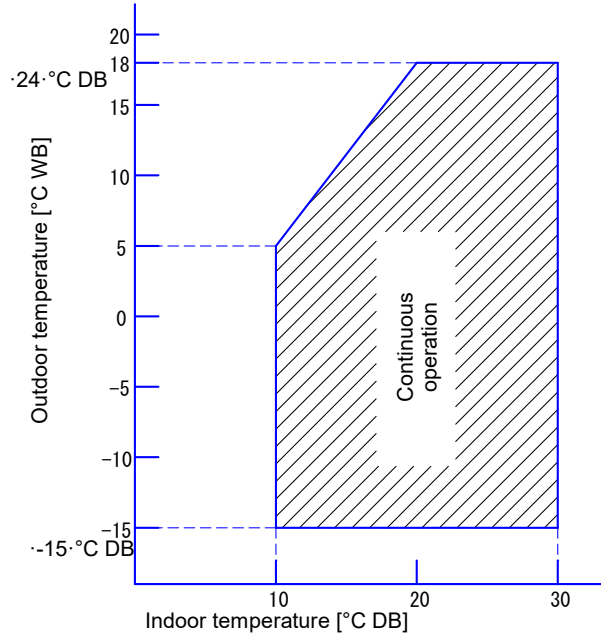
10 - 1 Operation Range

ARXF-E
RXF-E
ARXP-N

Cooling



Heating



Notes

1.The graphs are based on the following conditions.

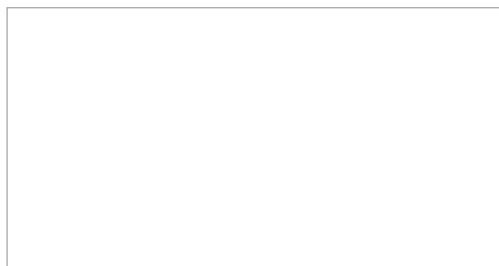
Corresponding refrigerant piping length: 5 m

Level difference: 0 m

Air flow rate High

3D669693A

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



EEDEN23

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