

Air Conditioning Technical Data

RXF-A

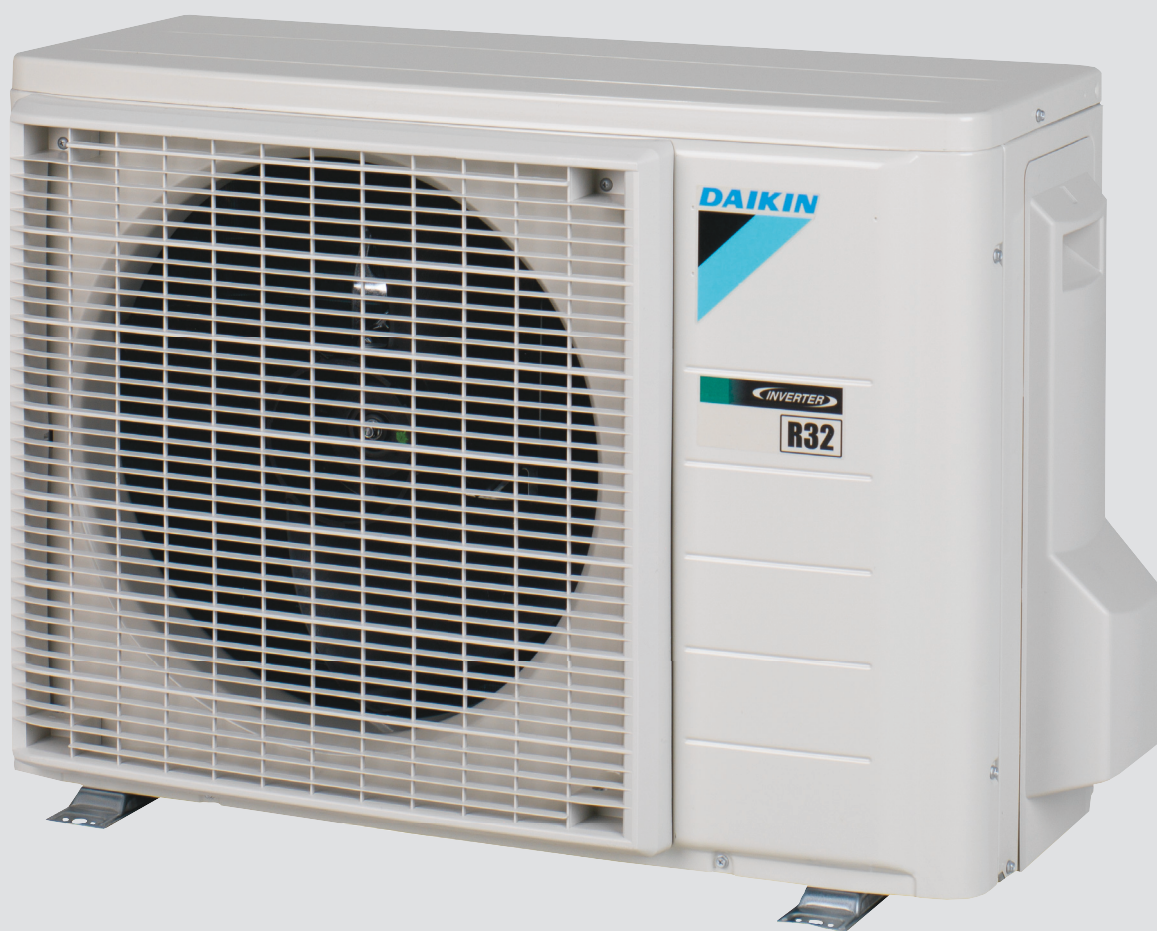


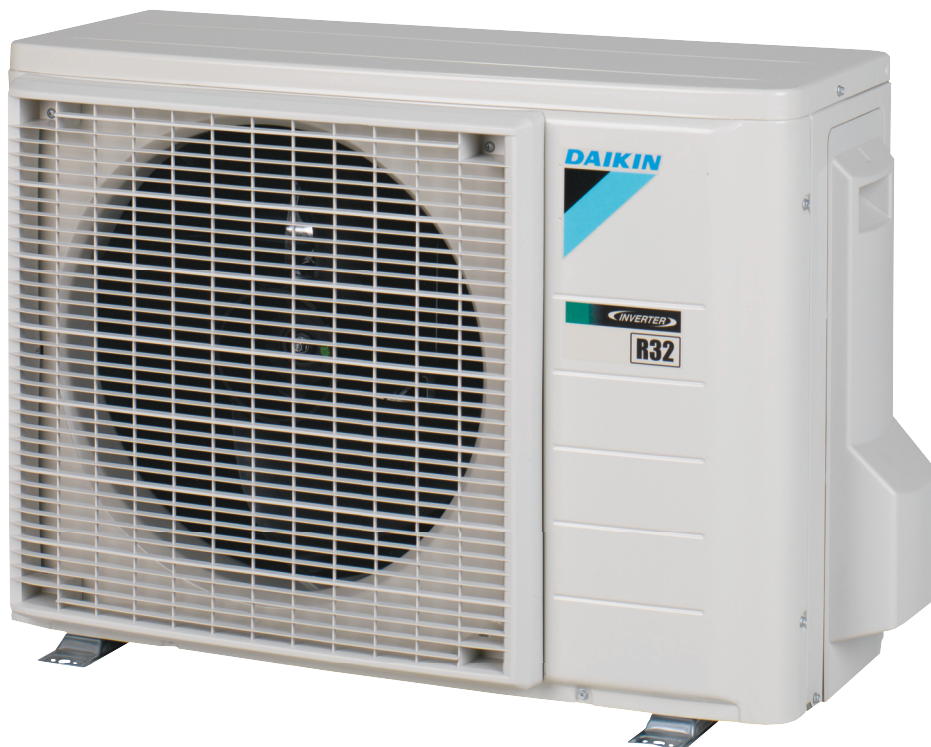
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1 Features

- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- 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 Capacity and Power input					FTXF20A/RXF20A		FTXF25A/RXF25A		FTXF35A/RXF35A		FTXF50A/RXF50A		FTXF60A/RXF60A	
Indoor unit					FTXF20A2V1B		FTXF25A2V1B		FTXF35A2V1B		FTXF50A2V1B		FTXF60A2V1B	
Outdoor unit					RXF20A2V1B		RXF25A2V1B		RXF35A2V1B		RXF50A2V1B		RXF60A2V1B	
Cooling capacity	Min.		kW		1.3					1.7				
			Btu/h		4,435.8					5,800.6				
			kcal/h		1,117.8					1,461.7				
	Nom.		kW		2.00		2.50		3.30		5.00		6.00	
			Btu/h		6,824.3		8,530.4		11,260.1		17,060.7		20,472.9	
			kcal/h		1,719.7		2,149.6		2,837.5		4,299.2		5,159.1	
	Max.		kW		2.6		3.0		3.8		6.0		7.0	
			Btu/h		8,871.6		10,236.4		12,966.1		20,472.9		23,885.0	
			kcal/h		2,235.6		2,579.5		3,267.4		5,159.1		6,018.9	
Heating capacity	Min.		kW		1.30					1.70				
			Btu/h		4,435.8					5,800.6				
			kcal/h		1,117.8					1,461.7				
	Nom.		kW		2.50		2.80		3.50		6.00		6.40	
			Btu/h		8,530.4		9,554.0		11,942.5		20,472.9		21,837.7	
			kcal/h		2,149.6		2,407.6		3,009.5		5,159.1		5,503.0	
	Max.		kW		3.50		4.00		4.80		7.70		8.00	
			Btu/h		11,942.5		13,648.6		16,378.3		26,273.5		27,297.1	
			kcal/h		3,009.5		3,439.4		4,127.3		6,620.8		6,878.8	
Power input	Cooling		Min.	kW	0.31				0.29		0.32		0.33	
			Nom.	kW	0.51		0.76		1.00		1.50		1.85	
			Max.	kW	0.72		1.05		1.30		1.83		2.98	
	Heating		Min.	kW	0.25				0.29		0.44		0.46	
			Nom.	kW	0.60		0.70		0.94		1.62		1.63	
			Max.	kW	0.95		1.11		1.29		2.36		2.79	
Current	Nominal running current (RLA) - 50Hz		Cooling	A	2.50		3.82		5.50		6.40		8.10	
			Heating	A	3.00		3.20		4.70		7.20		8.50	
Cooling	Cdc (Degradation cooling)				0.25									
Heating	Cdh (Degradation heating)				0.25									
Cooling function included					Yes									
Heating function included					Yes									
Average climate included					Yes									
Cold season included					No									
Warm season included					Yes									
Ecolabel logo					No									
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	60				62		61		63	
	Sound power level indoor	Cooling	Nom.	dBA	55				58		59		60	
	Piping length	Cooling	Measuring condition	m	5.0									
Nominal efficiency	EER				3.94		3.30				3.33		3.25	
	COP				4.19		4.01		3.71				3.93	
	Energy labeling Directive		Cooling		A									
			Heating		A									

2 Specifications

2-1 Capacity and Power input				FTXF20A/RXF20A	FTXF25A/RXF25A	FTXF35A/RXF35A	FTXF50A/RXF50A	FTXF60A/RXF60A
Space cooling	Capacity	Pdesign	kW	2.00	2.50	3.50	5.00	6.00
	Energy efficiency class			A++				
	SEER			6.15	6.22	6.21		6.15
	Annual energy consumption		kWh/a	114	141	197	282	342
	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.50	5.00	6.00
		EERd		3.94	3.30		3.33	3.25
		Power input	kW	0.51	0.76	1.06	1.50	1.85
	B Condition (30°C - 27/19)	Pdc	kW	1.47	1.84	2.58	3.68	4.42
		EERd		4.57	4.64	4.11	4.67	4.34
		Power input	kW	0.32	0.40	0.63	0.79	1.02
	C Condition (25°C - 27/19)	Pdc	kW	1.24	1.45	1.66	2.37	2.84
		EERd		7.58	7.68	7.54	6.92	7.21
		Power input	kW	0.16	0.19	0.22	0.34	0.39
	D Condition (20°C - 27/19)	Pdc	kW	1.32	1.34	1.36	2.12	2.39
		EERd		11.72	12.09	12.46	11.68	12.15
		Power input	kW		0.11		0.18	0.20
Space heating (Average climate)	Capacity	Pdesign	kW	2.20	2.40	2.80	4.60	4.80
	Energy efficiency class			A+				
	SCOP/A			4.10	4.06			
	SCOPnet/A			4.13	4.09		4.08	
	Pdh Heating capacity at -10°		kW	1.99	2.10	2.33	4.12	4.24
	Annual energy consumption		kWh/a	751	827	965	1,584	1,655
	Required back up heating cap at design conditions		kW	0.21	0.30	0.47	0.48	0.56
	TOL	Tol (temperature operating limit)	°C	-15				
		Pdh (declared heating cap)	kW	2.05	2.07	2.09	4.20	4.22
		COPd (declared COP)		2.02	2.04	2.06		2.08
		Power input	kW	1.02	1.01		2.04	2.03
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	1.95	2.12	2.48	4.07	4.25
		COPd (declared COP)		2.87	2.80	2.78	2.29	2.33
		Power input	kW	0.68	0.76	0.89	1.78	1.82
	A Condition (-7°C)	Pdh (declared heating cap)	kW	1.95	2.12	2.48	4.07	4.25
		COPd (declared COP)		2.87	2.80	2.78	2.29	2.33
		Power input	kW	0.68	0.76	0.89	1.78	1.82
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.18	1.29	1.51	2.48	2.58
		COPd (declared COP)		4.10	4.04	4.01	4.21	4.18
		Power input	kW	0.29	0.32	0.38	0.59	0.62
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.97	1.59	1.66
		COPd (declared COP)		5.16	5.13	5.10	5.06	5.04
		Power input	kW		0.18	0.19	0.31	0.33
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.09	1.11	1.13	0.71	0.74
		COPd (declared COP)		6.60	6.57	6.54	6.41	6.45
		Power input	kW		0.17		0.11	

2 Specifications

2-1 Capacity and Power input				FTXF20A/RXF20A	FTXF25A/RXF25A	FTXF35A/RXF35A	FTXF50A/RXF50A	FTXF60A/RXF60A			
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.18	1.29	1.51	2.48	2.58		
	Energy efficiency class				A++		A+++				
	SCOP				4.99	5.02	5.10	5.54			
	SCOPnet				5.13	5.15	5.22	5.62			
	Annual energy consumption			kWh/a	331	360	414	627	651		
	Required back up heating cap at design conditions			kW	0.00						
	TOL	Tol (temperature operating limit)	°C	-15							
			kW	2.05	2.07	2.09	4.20	4.22			
			COPd (declared COP)				2.02	2.04	2.06		2.08
			Power input	kW	1.02	1.01		2.04	2.03		
	TBivalent	Tbiv (bivalent temperature)	°C	2							
			kW	1.18	1.29	1.51	2.48	2.58			
			COPd (declared COP)				4.10	4.04	4.01	4.21	4.18
			Power input	kW	0.29	0.32	0.38	0.59	0.62		
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.18	1.29	1.51	2.48	2.58			
			COPd (declared COP)				4.10	4.04	4.01	4.21	4.18
			Power input	kW	0.29	0.32	0.38	0.59	0.62		
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.97	1.59	1.66			
			COPd (declared COP)				5.16	5.13	5.10	5.06	5.04
			Power input	kW	0.18		0.19	0.31	0.33		
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.09	1.11	1.13	0.71	0.74			
			COPd (declared COP)				6.60	6.57	6.54	6.41	6.45
			Power input	kW	0.17			0.11			
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	W	12						
			Heating	W	12						
	Crankcase heater mode	PCK		W	0.0						
	Off mode	POFF		W	1.0						
	Standby mode	Cooling	PSB	W	1.0						
		Heating	PSB	W	1.0						
Power factor	Nominal	Cooling		%	88.6 (1)	85.8 (1)	81.9 (1)	93.7 (1)	96.4 (1)		
		Heating		%	85.5 (1)	93.8 (1)	86.0 (1)	95.1 (1)	98.2 (1)		

Notes

(1) See separate drawing for electrical data

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.

2-2 Technical Specifications				RXF20A	RXF25A	RXF35A	RXF50A	RXF60A
Capacity control	Method			Variable (inverter)				
Casing	Colour			Ivory white				
Dimensions	Unit	Height	mm	550			735	
		Width	mm	658			825	
		Depth	mm	275			300	
	Packed unit	Height	mm	630			797	
		Width	mm	790			992	
		Depth	mm	400			437	
Weight	Unit		kg	28			47	
	Packed unit		kg	31			50	
Packing	Weight		kg	3				

2 Specifications

2-2 Technical Specifications					RXF20A	RXF25A	RXF35A	RXF50A	RXF60A	
Heat exchanger	Length		mm		647			845		
	Rows	Quantity			2					
	Fin pitch		mm		1.40			1.80		
	Stages	Quantity			24			32		
	Passes	Quantity			3.1			5.8		
	Tube type			ø7 Hi-XD			ø8 Hi-XA			
	Tube material			Copper			-			
	Fin	Type			Waffle fin (PE)					
Compressor	Model				1YC25KXD#C			2YC40JXD#C		
	Oil Amount		cm³		375			650		
	Type				Hermetically sealed swing compressor					
	Output		W		870			1,300		
	Oil Type				FW68DA					
Fan	Type				Propeller					
	Air flow rate	Cooling	High	m³/min	27.6		28.2	-		
				cfm	975		996	-		
			Nom.	m³/min	-			50.4		
				cfm	-			1,780		
		Heating	High	m³/min	26.2		26.8	-		
				cfm	925		946	-		
			Nom.	m³/min	-			40.4		
				cfm	-			1,427		
Fan motor	Model				KFD-280-21-8A			D68D-32		
	Insulation grade				Class "E"			-		
	Output		W		21			68		
	Speed	Cooling	High	rpm	840		780			
				rpm	-		780			
			Low	rpm	700		690		620	
		Heating		High	rpm	840		730		
			rpm		-		730			
Low			rpm	720		730				
Sound power level	Cooling			dBA	60		62	61	63	
	Heating			dBA	61		62	61	63	
Sound pressure level	Cooling	High		dBA	46		48	47	49	
	Heating	High		dBA	47		48	49		
Refrigerant	Type				R-32					
	Charge			kg	0.70			1.40	1.45	
				TCO _{2eq}	0.48			0.95	0.98	
	GWP				675.0					
Piping connections	Liquid	OD		mm	6,35			6,4		
	Gas	OD		mm	9.5			12.7		
	Drain	OD		mm	18					
	Piping length	OU - IU	Max.	m	15			30		
	Additional refrigerant charge				kg/m					
					0.02 (for piping length exceeding 10m)					
	Level difference	IU - OU	Max.	m	12			20.0		

Standard Accessories : Drain plug; Quantity : 1;

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;

2-3 Electrical Specifications					RXF20A	RXF25A	RXF35A	RXF50A	RXF60A
Power supply	Phase				1~				
	Frequency		Hz		50				
	Voltage		V		220-240				

2 Specifications

2-3 Electrical Specifications			RXF20A	RXF25A	RXF35A	RXF50A	RXF60A
Wiring connections	For power supply	Quantity	3				
		Remark	Earth wire included				
	For connection with indoor	Quantity	4				
		Remark	Earth wire included				

Notes

See separate drawing for operation range

See separate drawing for electrical data

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RXF20-35A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXP20L2V1B	RXP20L2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	40,0	2,8	0,021	0,16	0,024	0,34
		50	230									
		50	240									
FTXP25L2V1B	RXP25L2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	48,0	3,0	0,021	0,16	0,024	0,34
		50	230									
		50	240									
FTXP35L2V1B	RXP35L2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	70,0	4,7	0,021	0,16	0,037	0,45
		50	230									
		50	240									
ATXP20L2V1B	ARXP20L2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	40,0	2,8	0,021	0,16	0,024	0,34
		50	230									
		50	240									
ATXP25L2V1B	ARXP25L2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	48,0	3,0	0,021	0,16	0,024	0,34
		50	230									
		50	240									
ATXP35L2V1B	ARXP35L2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	70,0	4,7	0,021	0,16	0,037	0,45
		50	230									
		50	240									
FTXF20A2V1B	RXF20A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	40,0	2,8	0,021	0,16	0,024	0,34
		50	230									
		50	240									
FTXF25A2V1B	RXF25A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	48,0	3,0	0,021	0,16	0,024	0,34
		50	230									
		50	240									
FTXF35A2V1B	RXF35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,4	16	70,0	4,7	0,021	0,16	0,037	0,45
		50	230									
		50	240									

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

①	Hz	COMP	Compressor
②	Voltage	OFM	Outdoor fan motor
③	Voltage range	IFM	Indoor fan motor
MCA	Minimum Circuit Ampere [A]	FLA	Full Load Ampere [A]
MFA	Maximum Fuse Ampere [A]	kW	Fan motor rated output [kW]
RLA	Rated load amps [A]	RHz	Rated operating frequency [Hz]

3D113760

FTXF50-60A / RXF50-60A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXP50K3V1B	RXP50K3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,0	15	54,0	4,9	0,068	0,34	0,045	0,43
		50	230					4,7				
		50	240					4,5				
FTXP60K3V1B	RXP60K3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,5	15	73,0	6,0	0,068	0,34	0,049	0,46
		50	230					5,7				
		50	240					5,5				
FTXP71K3V1B	RXP71K3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	18,3	20	49,0	7,5	0,128	0,38	0,053	0,50
		50	230					7,2				
		50	240					6,9				
FTXF50A2V1B	RXF50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,0	15	54,0	4,9	0,068	0,34	0,045	0,43
		50	230					4,7				
		50	240					4,5				
FTXF60A2V1B	RXF60A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,5	15	73,0	6,0	0,068	0,34	0,049	0,46
		50	230					5,7				
		50	240					5,5				

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

①	Hz	COMP	Compressor
②	Voltage	OFM	Outdoor fan motor
③	Voltage range	IFM	Indoor fan motor
MCA	Minimum Circuit Ampere [A]	FLA	Full Load Ampere [A]
MFA	Maximum Fuse Ampere [A]	kW	Fan motor rated output [kW]
RLA	Rated load amps [A]	RHz	Rated operating frequency [Hz]

3D108877A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXF20A / RXF20A

Cooling 50 Hz 230 V

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
14,0	20	2,05	1,80	0,40	1,96	1,76	0,43	1,86	1,72	0,47	1,83	1,70	0,49	1,77	1,67	0,51	1,68	1,63	0,54
16,0	22	2,14	1,77	0,40	2,05	1,73	0,44	1,95	1,69	0,47	1,92	1,68	0,49	1,86	1,65	0,51	1,77	1,61	0,55
18,0	25	2,23	1,89	0,40	2,14	1,86	0,44	2,05	1,82	0,47	2,01	1,81	0,49	1,95	1,78	0,51	1,86	1,75	0,55
19,0	27	2,28	2,03	0,40	2,19	2,00	0,44	2,09	1,96	0,48	2,06	1,95	0,49	2,00	1,93	0,51	1,91	1,89	0,55
22,0	30	2,42	1,97	0,40	2,32	1,94	0,44	2,23	1,91	0,48	2,19	1,90	0,49	2,14	1,88	0,52	2,05	1,85	0,55
24,0	32	2,51	1,93	0,41	2,42	1,91	0,44	2,32	1,88	0,48	2,29	1,87	0,50	2,23	1,85	0,52	2,14	1,82	0,56

Heating 50 Hz 230 V

AFR	10,3
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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
15,0		1,19	0,39	1,43	0,40	1,67	0,42	1,92	0,56	2,59	0,59	2,81	0,61
20,0		1,12	0,40	1,36	0,41	1,60	0,44	1,84	0,57	2,50	0,60	2,73	0,62
22,0		1,09	0,40	1,33	0,42	1,57	0,44	1,81	0,57	2,47	0,61	2,69	0,63
24,0		1,06	0,40	1,30	0,42	1,54	0,45	1,78	0,59	2,43	0,61	2,66	0,63
25,0		1,04	0,41	1,28	0,42	1,52	0,45	1,76	0,59	2,41	0,62	2,64	0,63
27,0		1,01	0,41	1,25	0,44	1,49	0,45	1,74	0,59	2,38	0,62	2,61	0,64

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]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.

Rated operating frequency [Hz]

- The capacities are based on the following conditions:

Corresponding refrigerant piping length: 5 m

Level difference: 0m

- The air flow rate and bypass factor are mentioned in the table.

3D113927

FTXF25A / RXF25A

Cooling 50 Hz 230 V

AFR	10,1
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
14,0	20	2,56	2,08	0,59	2,44	2,03	0,64	2,33	1,97	0,69	2,28	1,95	0,71	2,21	1,92	0,75	2,10	1,86	0,80
16,0	22	2,68	2,05	0,59	2,56	1,99	0,64	2,44	1,94	0,70	2,40	1,92	0,72	2,33	1,89	0,76	2,21	1,84	0,81
18,0	25	2,79	2,17	0,59	2,68	2,12	0,64	2,56	2,07	0,70	2,51	2,06	0,72	2,44	2,03	0,76	2,33	1,98	0,81
19,0	27	2,85	2,31	0,59	2,73	2,27	0,64	2,62	2,22	0,70	2,57	2,20	0,72	2,50	2,18	0,76	2,38	2,13	0,81
22,0	30	3,02	2,24	0,60	2,91	2,20	0,65	2,79	2,16	0,71	2,74	2,14	0,73	2,67	2,12	0,77	2,56	2,08	0,81
24,0	32	3,14	2,19	0,60	3,02	2,15	0,65	2,90	2,12	0,71	2,86	2,10	0,73	2,79	2,08	0,77	2,67	2,04	0,83

Heating 50 Hz 230 V

AFR	10,3
-----	------

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
15,0		1,33	0,45	1,61	0,48	1,87	0,50	2,15	0,65	2,89	0,68	3,15	0,71
20,0		1,25	0,47	1,52	0,49	1,79	0,51	2,06	0,66	2,80	0,70	3,05	0,72
22,0		1,22	0,47	1,48	0,49	1,75	0,52	2,03	0,67	2,76	0,70	3,01	0,73
24,0		1,19	0,48	1,46	0,50	1,73	0,52	2,00	0,68	2,73	0,71	2,98	0,73
25,0		1,17	0,48	1,44	0,50	1,71	0,52	1,98	0,68	2,71	0,71	2,96	0,74
27,0		1,14	0,48	1,41	0,51	1,67	0,53	1,95	0,69	2,67	0,72	2,92	0,74

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]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.

Rated operating frequency [Hz]

- The capacities are based on the following conditions:

Corresponding refrigerant piping length: 5 m

Level difference: 0m

- The air flow rate and bypass factor are mentioned in the table.

3D113928

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FTXF35A / RXF35A

Cooling

50 Hz

230 V

AFR	11,5
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
14,0	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
16,0	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
18,0	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
19,0	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
22,0	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
24,0	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

50 Hz

230 V

AFR	11,5
-----	------

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

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]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.

Rated operating frequency [Hz]

- The capacities are based on the following conditions:

Corresponding refrigerant piping length: 5 m

Level difference: 0m

- The air flow rate and bypass factor are mentioned in the table.

3D113929

FTXF50A / RXF50A

Cooling

50 Hz

230 V

AFR	16,8
BF	0,27

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
14,0	20	5,12	3,71	1,15	4,89	3,59	1,27	4,66	3,47	1,37	4,56	3,42	1,42	4,42	3,35	1,48	4,19	3,24	1,59
16,0	22	5,35	3,64	1,16	5,12	3,53	1,27	4,89	3,42	1,37	4,79	3,38	1,43	4,65	3,31	1,49	4,42	3,20	1,60
18,0	25	5,58	3,80	1,16	5,35	3,70	1,28	5,12	3,59	1,38	5,02	3,55	1,43	4,88	3,49	1,49	4,65	3,39	1,61
19,0	27	5,70	3,99	1,17	5,47	3,89	1,28	5,23	3,79	1,38	5,14	3,75	1,44	5,00	3,70	1,50	4,77	3,60	1,61
22,0	30	6,04	3,85	1,18	5,81	3,76	1,29	5,58	3,67	1,39	5,49	3,63	1,44	5,35	3,58	1,51	5,11	3,50	1,62
24,0	32	6,27	3,74	1,19	6,04	3,66	1,30	5,81	3,58	1,40	5,72	3,55	1,45	5,58	3,50	1,51	5,34	3,42	1,63

Heating

50 Hz

230 V

AFR	17,3
-----	------

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
15,0		2,86	1,04	3,43	1,10	4,01	1,15	4,58	1,51	6,21	1,58	6,75	1,64
20,0		2,68	1,07	3,26	1,13	3,83	1,18	4,41	1,54	6,00	1,62	6,54	1,67
22,0		2,61	1,09	3,19	1,14	3,76	1,19	4,34	1,56	5,92	1,63	6,46	1,69
24,0		2,54	1,10	3,12	1,15	3,69	1,20	4,27	1,57	5,83	1,65	6,38	1,70
25,0		2,51	1,10	3,08	1,16	3,66	1,21	4,23	1,58	5,79	1,65	6,33	1,71
27,0		2,43	1,11	3,01	1,17	3,59	1,22	4,17	1,59	5,71	1,67	6,25	1,72

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]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.

Rated operating frequency [Hz]

- The capacities are based on the following conditions:

Corresponding refrigerant piping length: 5 m

Level difference: 0m

- The air flow rate and bypass factor are mentioned in the table.

3D113930

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXF60A / RXF60A

Cooling 50 Hz 230 V

AFR	17,3
BF	0,27

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
14,0	20	6,15	4,35	1,42	5,87	4,20	1,55	5,59	4,05	1,69	5,48	4,00	1,74	5,31	3,91	1,83	5,03	3,77	1,97
16,0	22	6,42	4,27	1,43	6,14	4,13	1,56	5,86	4,00	1,70	5,75	3,94	1,76	5,59	3,86	1,83	5,31	3,73	1,97
18,0	25	6,70	4,44	1,44	6,42	4,31	1,58	6,14	4,18	1,71	6,03	4,13	1,77	5,86	4,05	1,85	5,58	3,93	1,98
19,0	27	6,84	4,65	1,44	6,56	4,52	1,58	6,28	4,40	1,71	6,17	4,35	1,77	6,00	4,28	1,85	5,72	4,16	1,99
22,0	30	7,25	4,47	1,45	6,97	4,36	1,59	6,69	4,25	1,72	6,58	4,21	1,78	6,41	4,14	1,86	6,14	4,04	2,00
24,0	32	7,53	4,34	1,46	7,25	4,24	1,60	6,97	4,14	1,73	6,86	4,10	1,79	6,69	4,04	1,87	6,41	3,94	2,00

Heating 50 Hz 230 V

AFR	17,9
-----	------

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
15,0		3,04	1,05	3,67	1,11	4,28	1,16	4,89	1,51	6,62	1,60	7,20	1,65
20,0		2,86	1,08	3,47	1,13	4,09	1,18	4,70	1,55	6,40	1,63	6,98	1,68
22,0		2,79	1,09	3,40	1,14	4,01	1,20	4,63	1,56	6,31	1,65	6,89	1,70
24,0		2,71	1,10	3,33	1,16	3,94	1,21	4,55	1,58	6,23	1,66	6,80	1,71
25,0		2,67	1,11	3,28	1,16	3,90	1,22	4,52	1,59	6,18	1,66	6,76	1,72
27,0		2,60	1,11	3,21	1,17	3,82	1,22	4,43	1,60	6,09	1,68	6,67	1,73

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]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.

Rated operating frequency [Hz]

- The capacities are based on the following conditions:

Corresponding refrigerant piping length: 5 m

Level difference: 0m

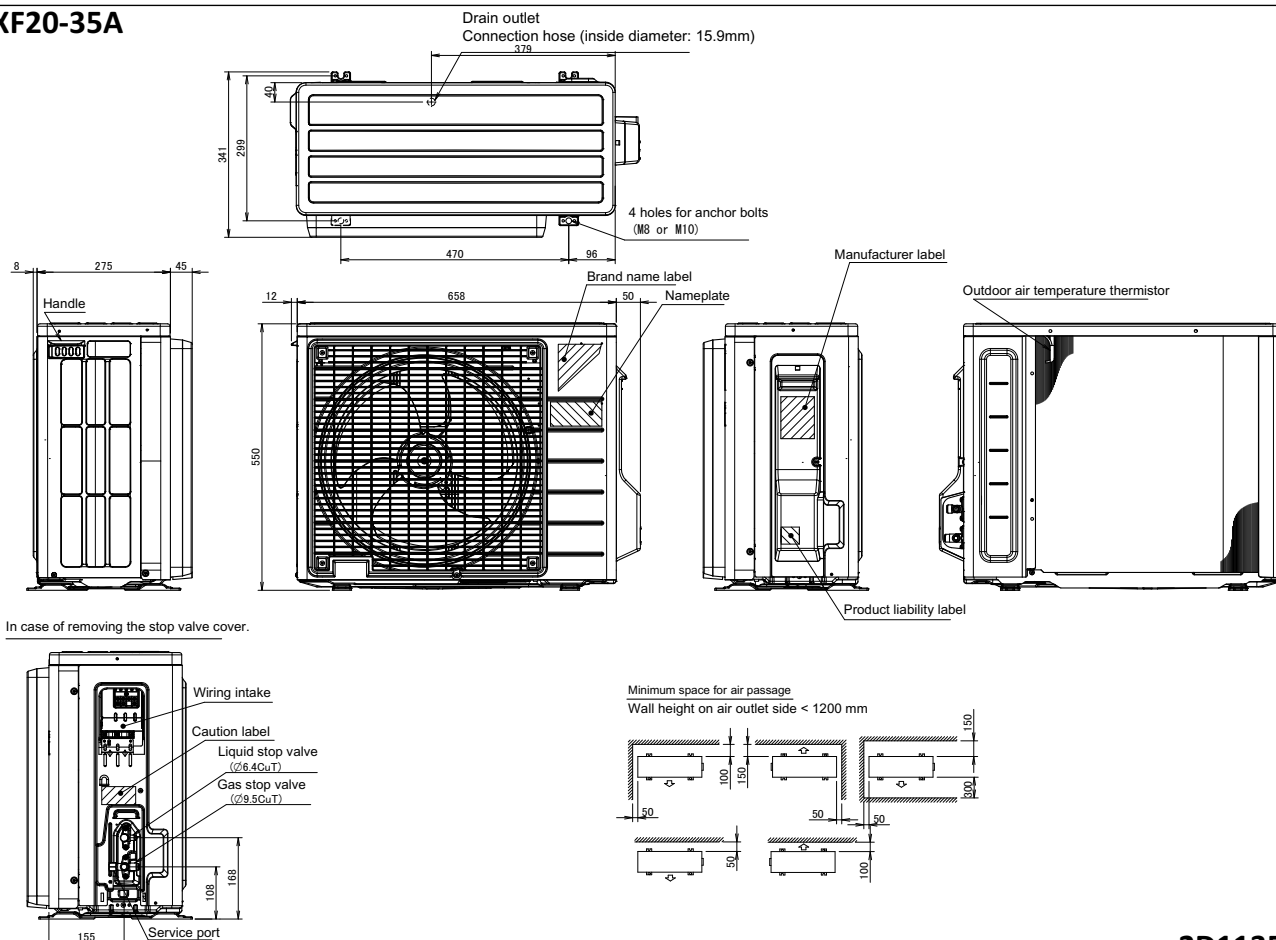
- The air flow rate and bypass factor are mentioned in the table.

3D113931

5 Dimensional drawings

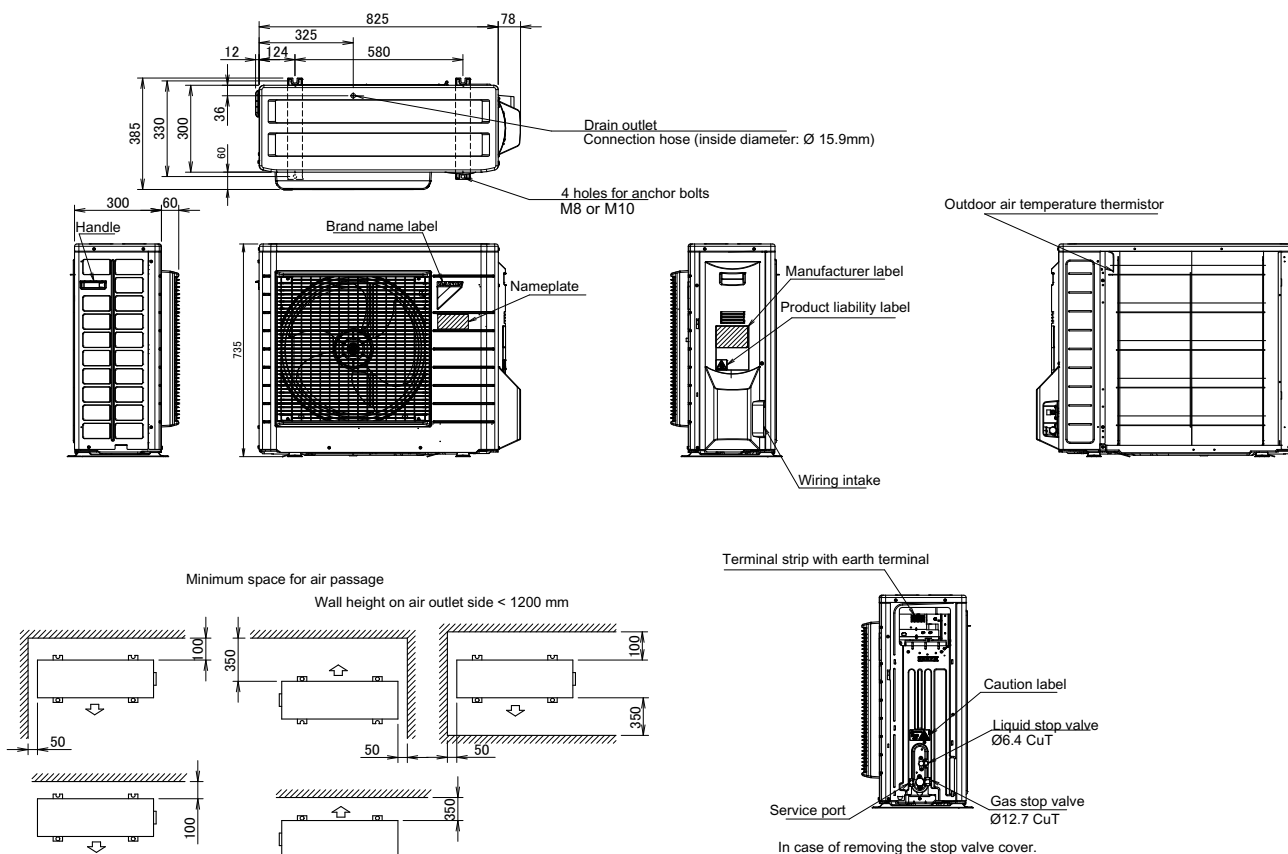
5 - 1 Dimensional Drawings

RXF20-35A



2D113526

RXF50-60A

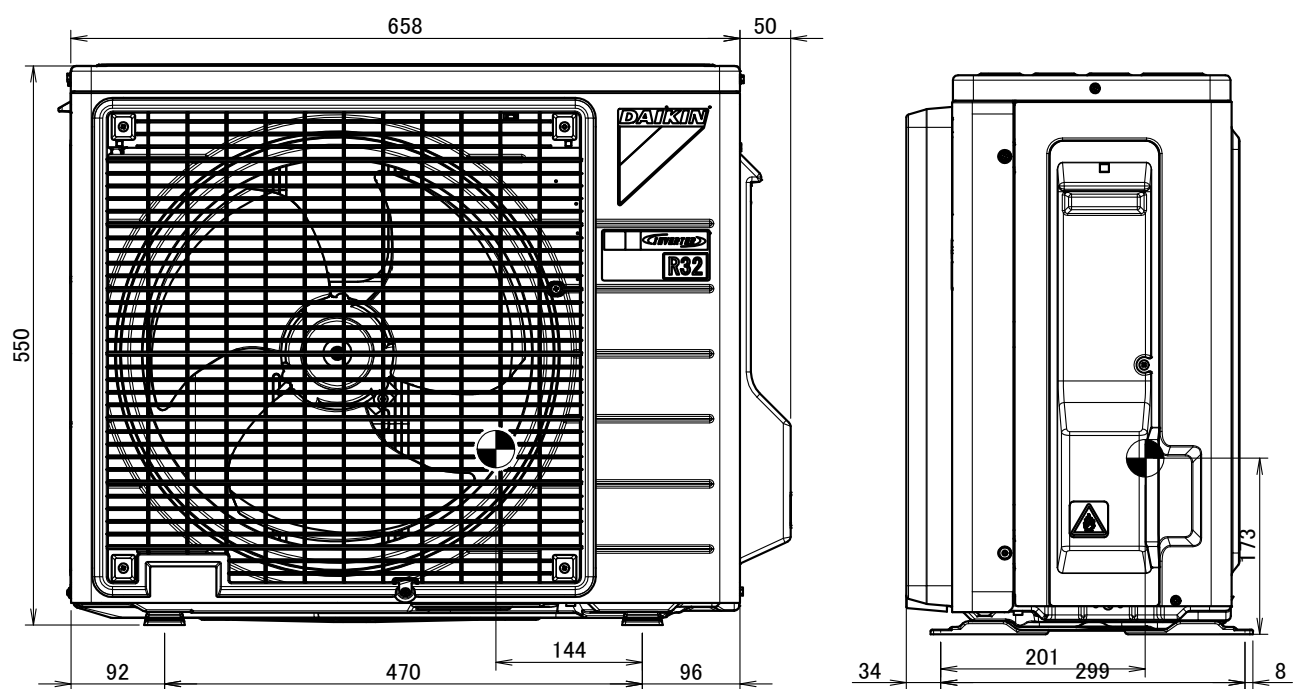


3D101541D

6 Centre of gravity

6 - 1 Centre of Gravity

RXF20-35A

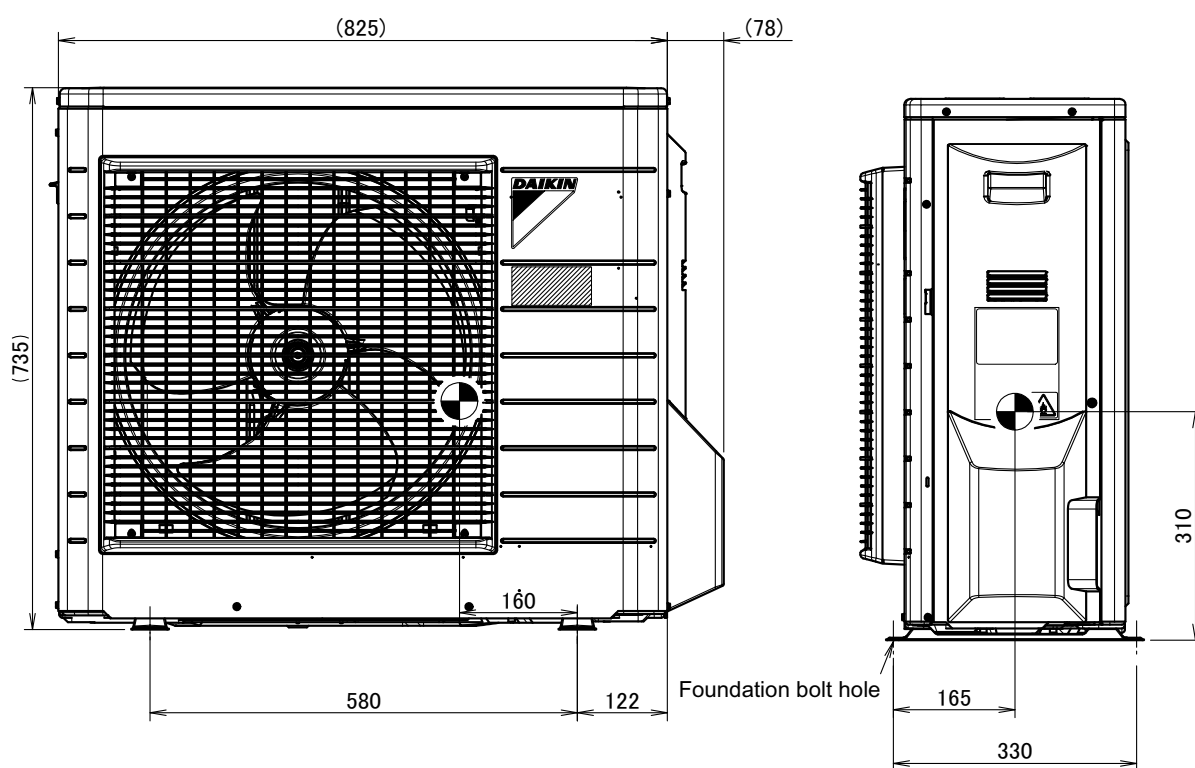


4D113529

6 Centre of gravity

6 - 1 Centre of Gravity

RXF50-60A

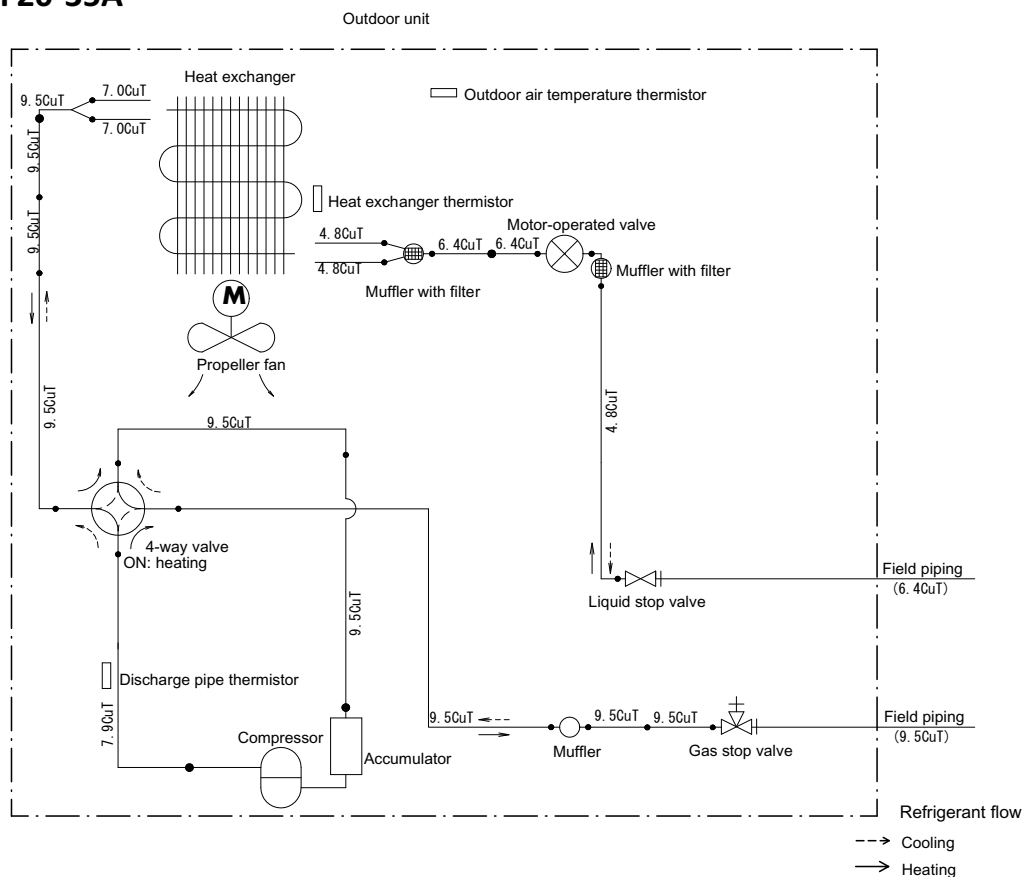


3D102113B

7 Piping diagrams

7 - 1 Piping Diagrams

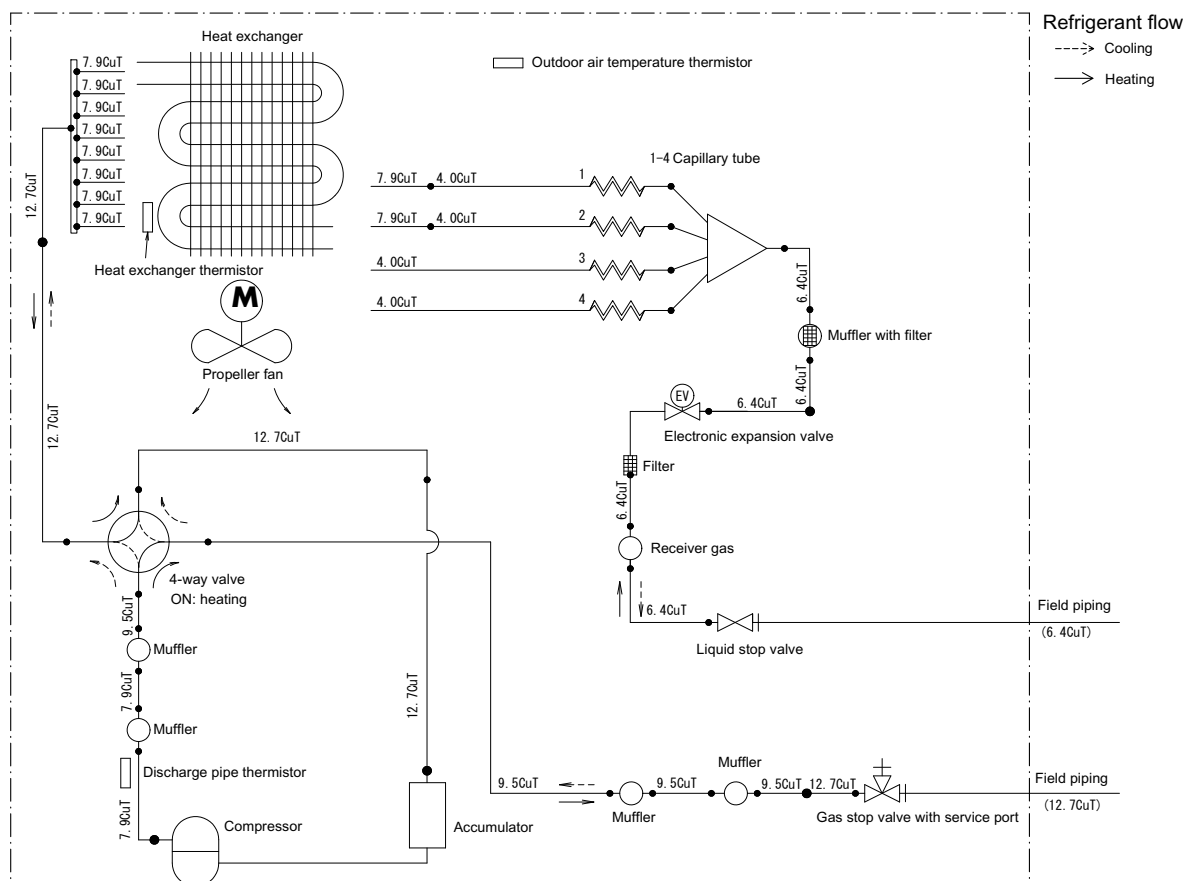
RXF20-35A



3D113515

RXF50A

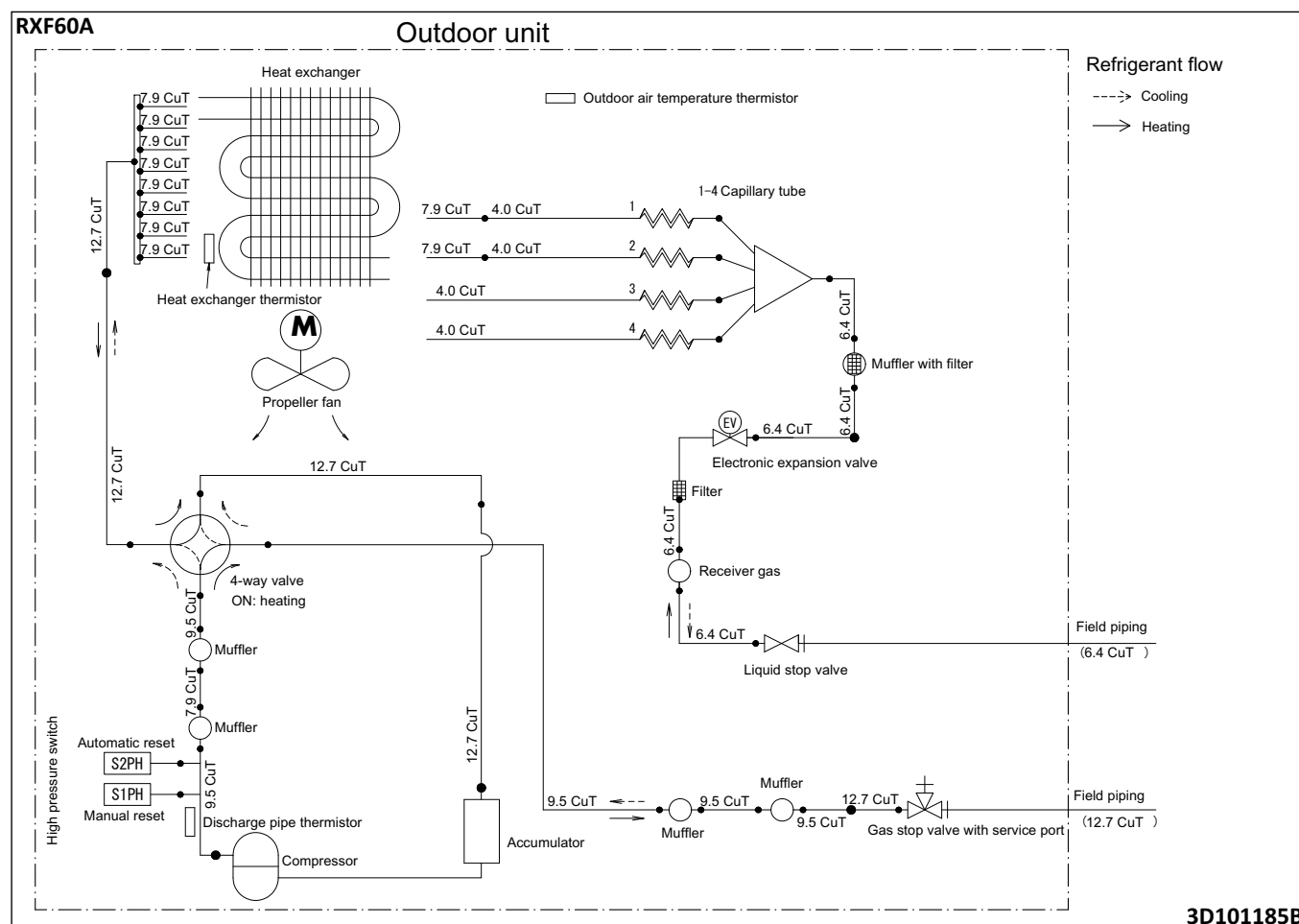
Outdoor unit



3D092010D

7 Piping diagrams

7 - 1 Piping Diagrams

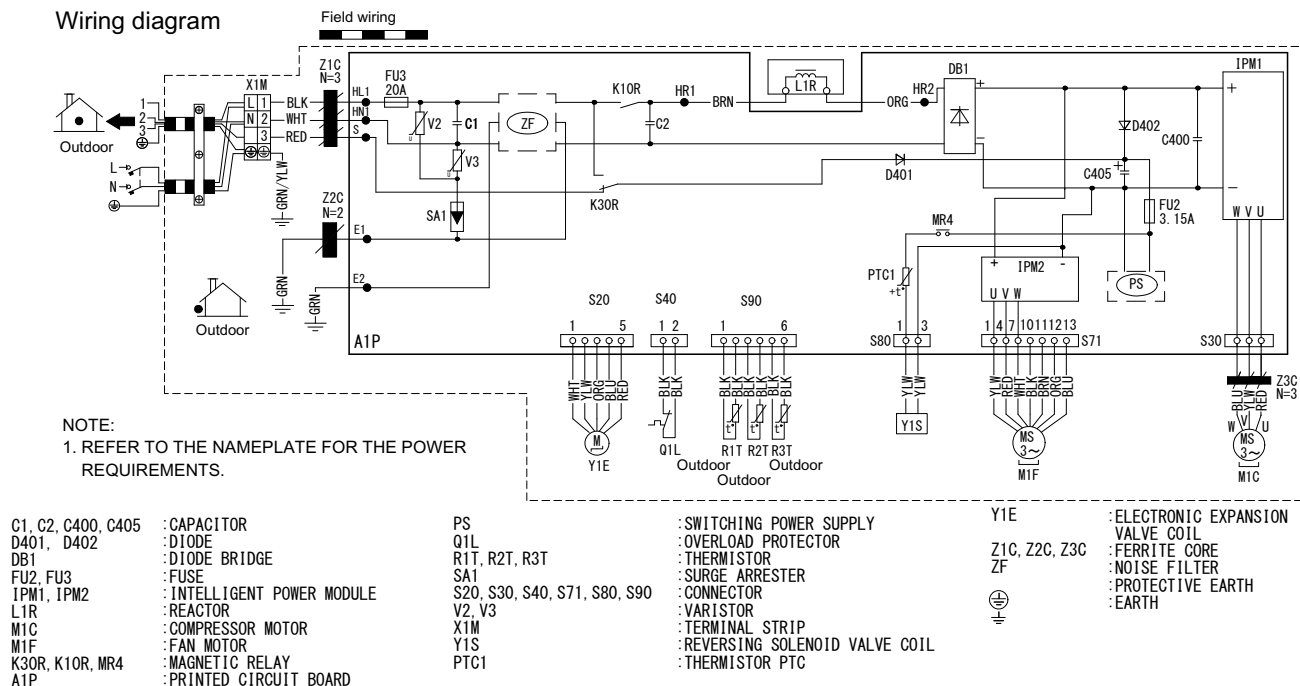


8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXF20-35A

Wiring diagram



3D113660-1

NOTES:

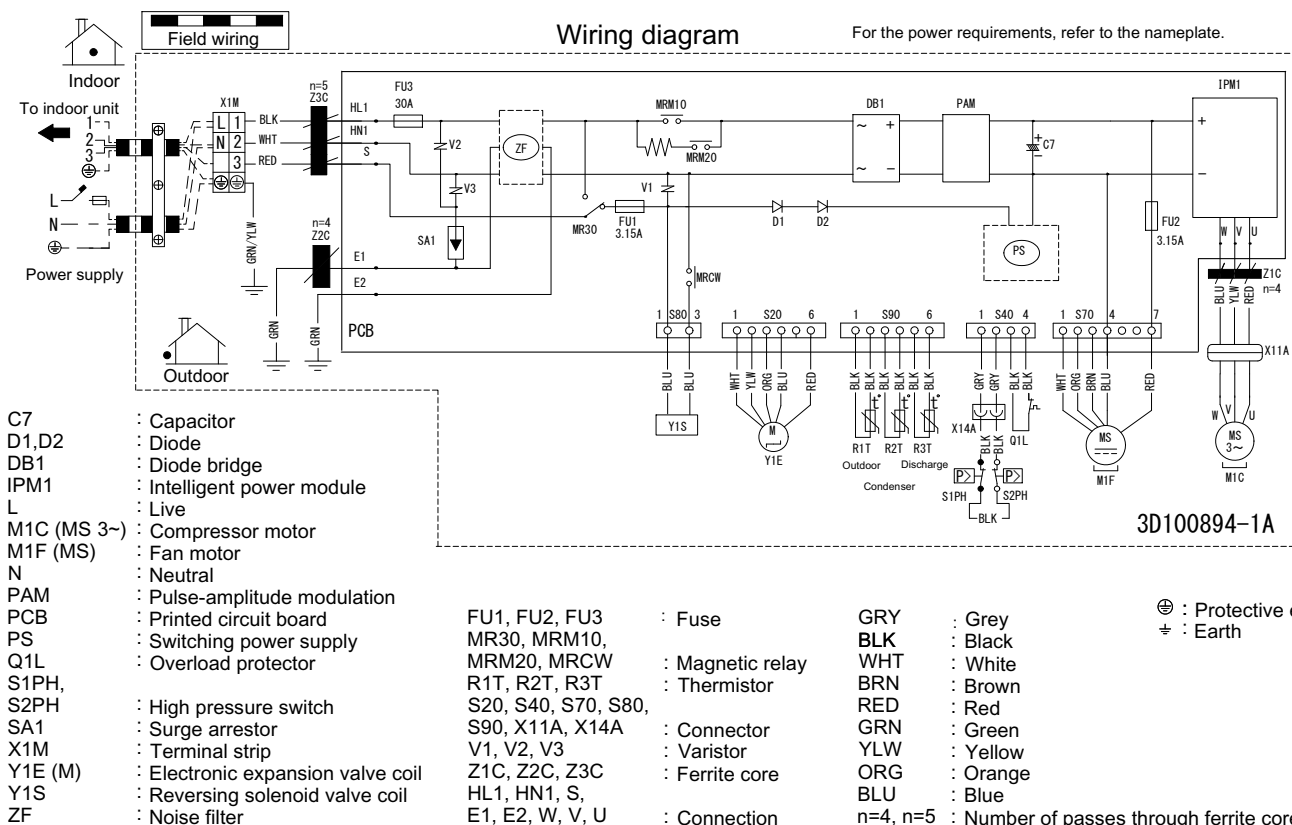
1. SIZE : LENGTH 140 x HEIGHT 80.
2. REFER TO PURCHASING SPECIFICATION AS303002, UNLESS OTHERWISE SPECIFIED.
3. THIS DRAWING WAS DRAWN ON CAD SYSTEM.

3D113660

RXF60A

Wiring diagram

For the power requirements, refer to the nameplate.



3D100894-1A

Notes

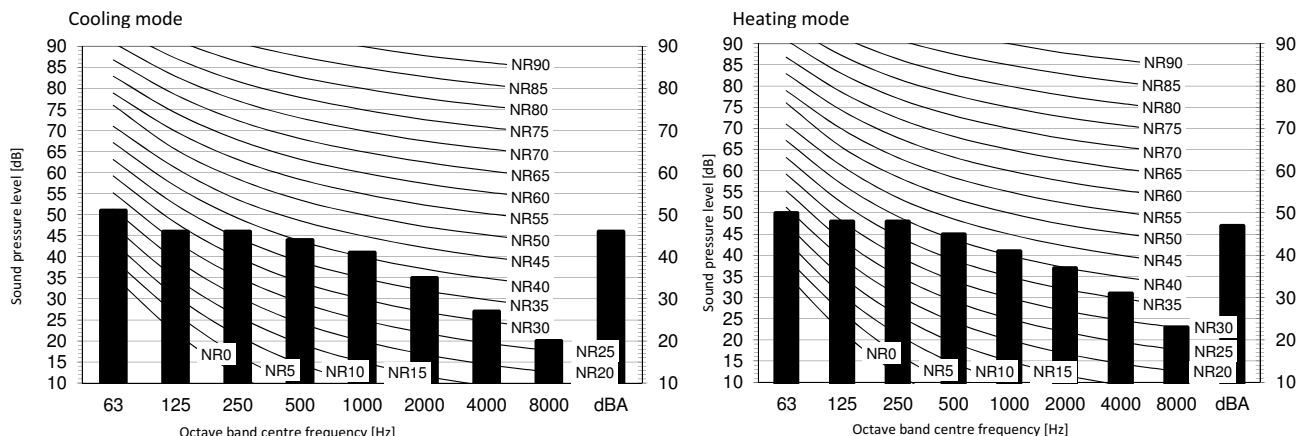
1. Size: length 105 X width 185.
2. Refer to purchasing specification AS(Y)303002, unless otherwise specified.

3D100894

9 Sound data

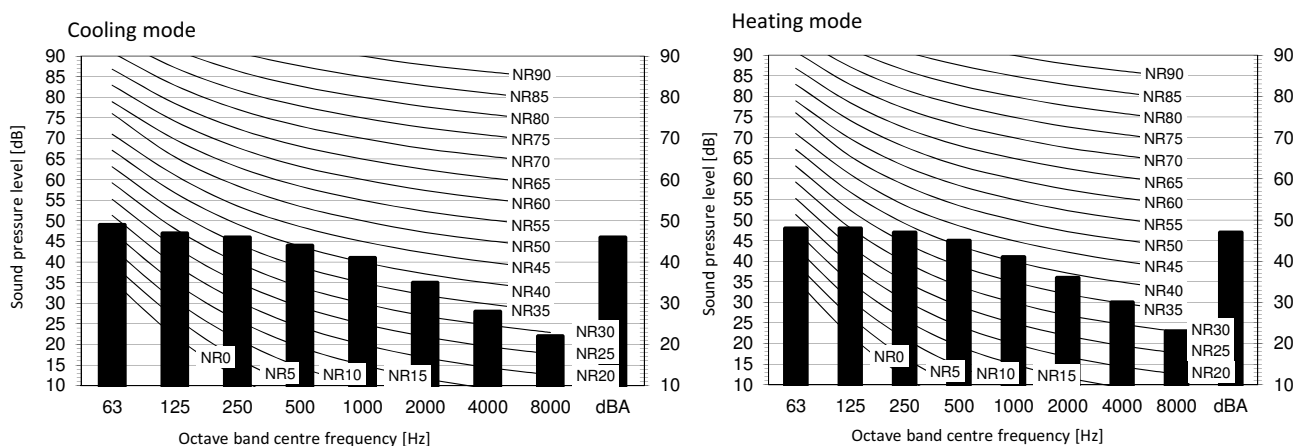
9 - 1 Sound Pressure Spectrum

RXF20A



3D092072D

RXF25A

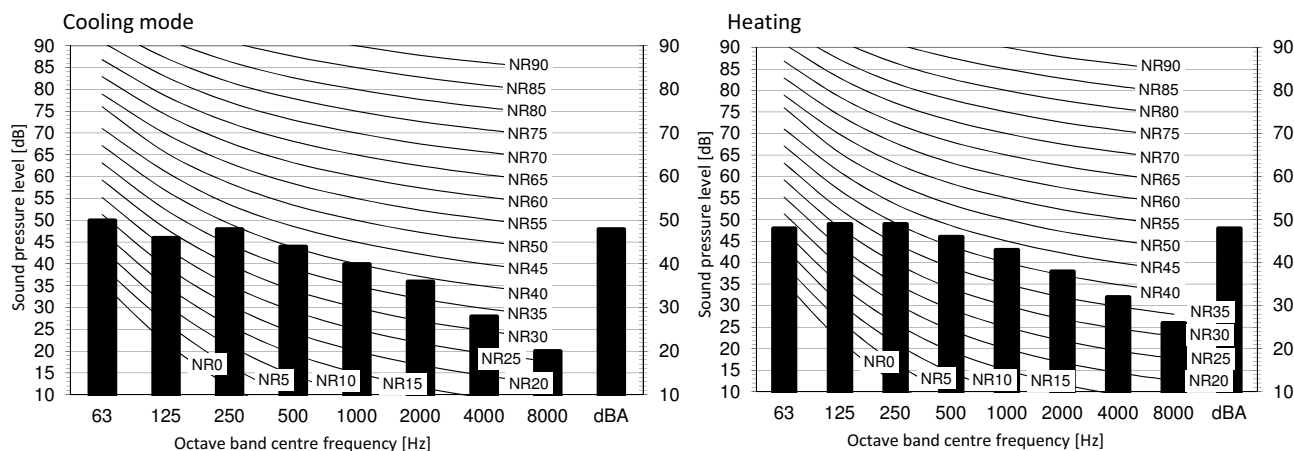


3D092073D

9 Sound data

9 - 1 Sound Pressure Spectrum

RXF35A



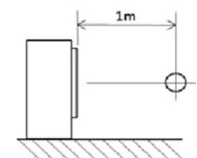
Legend

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

A Scale

B High Fan speed

Location of microphone



Cooling Total dB

A	B
dBA	48

Heating Total dB

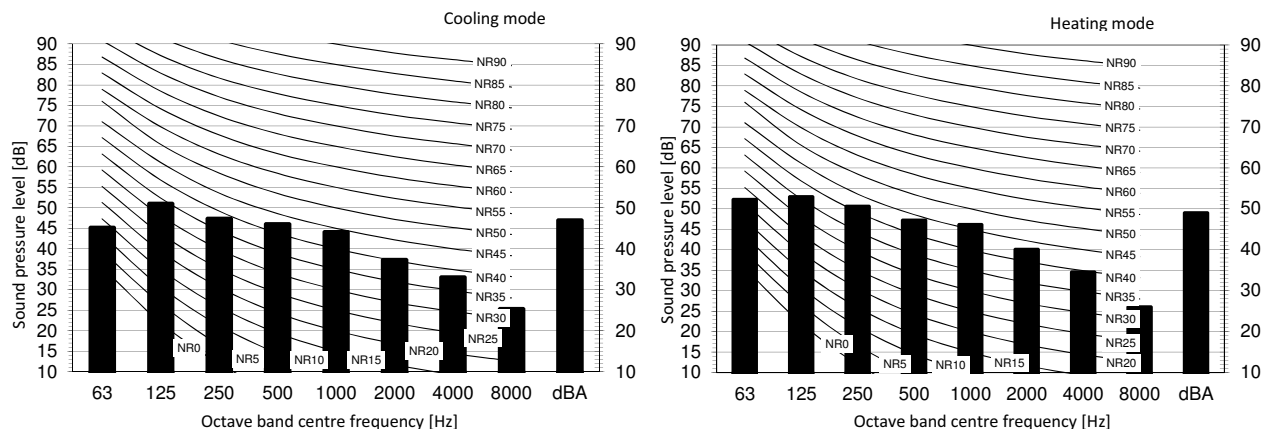
A	B
dBA	48

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

3D092074D

RXF50A



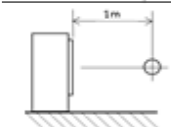
Legend

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

A Scale

B High-tap
Low-tap

Location of microphone



Cooling Total dB

A	B
dBA	47

Heating Total dB

A	B
dBA	49

Notes

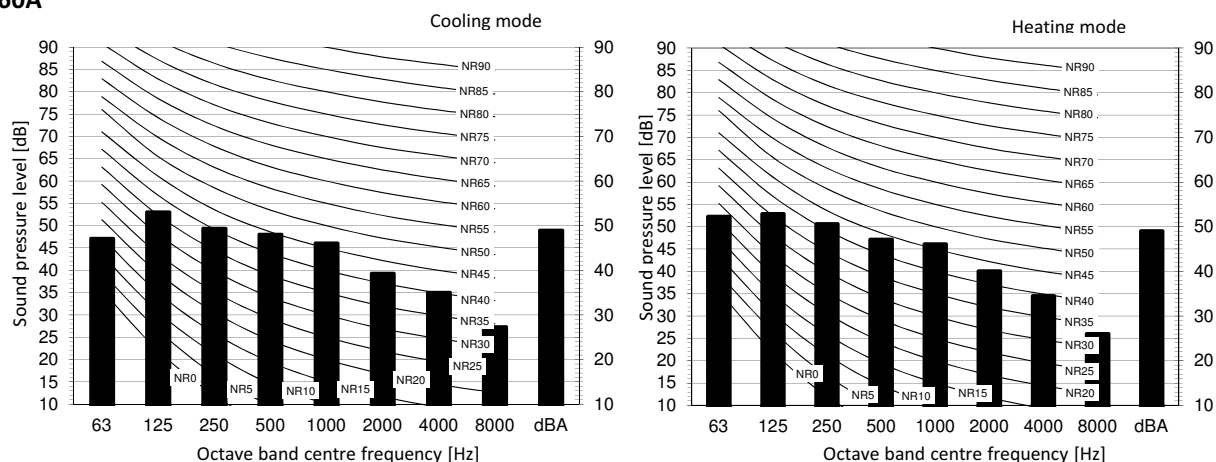
- Background noise already taken into account.
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D108236A

9 Sound data

9 - 1 Sound Pressure Spectrum

RXF60A



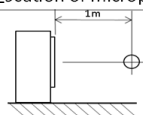
Legend

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

A Scale

B High-tap
Low-tap

Location of microphone



Cooling Total dB

A	B
dBA	49

Heating Total dB

A	B
dBA	49

Notes

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

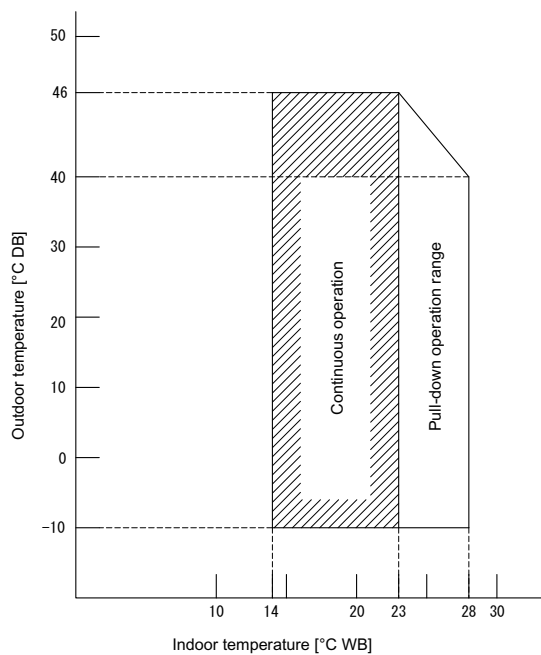
3D108235A

10 Operation range

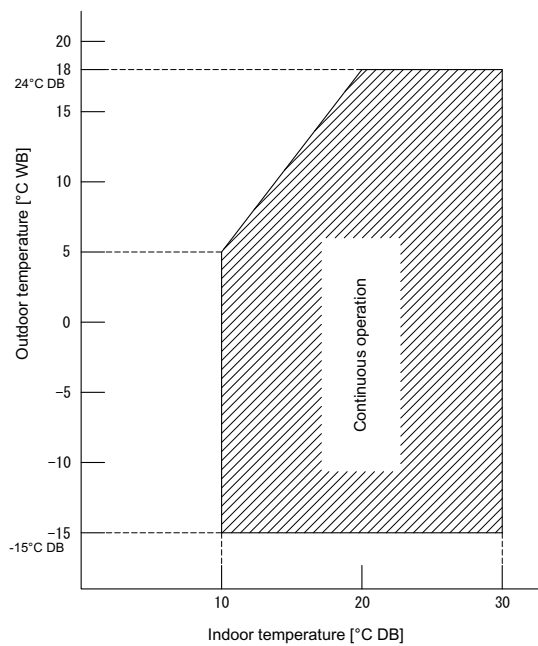
10 - 1 Operation Range

RXF20-35A

Cooling



Heating

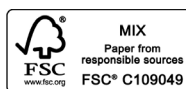


Notes

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

3D100846E

Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



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