

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	3.71		
	Annual energy consumption	kWh	108	135	188	226	269
	Energy labeling	Cooling	A				
		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
	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
	Capacity Pdesignh	kW	1.18	1.29	1.4	1.78	2.05
Space heating (Warm climate)	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				
	A Condition Pdc	kW	2	2.5	3.5	4.2	5
	(35°C - 27/19) EERd	3.38		3.24	3.1	3.3	
B Condition Pdc	kW	1.47	1.84	2.58	3.09	3.68	
	(30°C - 27/19) EERd	5.41	4.79	4.64	4.7	5.1	
	Power input	kW	0.272	0.395	0.556	0.657	0.722
C Condition Pdc	kW	1.14	1.18	1.66	1.99	2.37	
	(25°C - 27/19) EERd	8.52	8.41	8.55	7.91	7.6	
	Power input	kW	0.134	0.137	0.194	0.242	0.312
D Condition Pdc	kW	1.3		1.32	1.35	1.8	
	(20°C - 27/19) EERd	11.7		11.8	11.9		
	Power input	kW	0.111	0.112	0.113	0.151	

2 Specifications

2 - 1 Specifications

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Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15					
	TBivalent	Tbiv (bivalent temperature)		°C	-7					
		Pd _h (declared heating cap)		kW	1.95	2.12	2.3		3.36	
		COP _d (declared COP)			2.69		2.6	2.66	2.55	
	A Condition (-7°C)	Power input		kW	0.725	0.788	0.885	1.1	1.32	
		Pd _h (declared heating cap)		kW	1.95	2.12	2.3	2.92	3.36	
		COP _d (declared COP)			2.69		2.6	2.66	2.55	
	B Condition (2°C)	Power input		kW	0.725	0.771	0.875	1.08	1.32	
		Pd _h (declared heating cap)		kW	1.18	1.29	1.4	1.78	2.05	
		COP _d (declared COP)			4.2	4.18		4.44	4.05	
	C Condition (7°C)	Power input		kW	0.281	0.309	0.335	0.401	0.506	
		Pd _h (declared heating cap)		kW	0.92		0.93	1.14	1.49	
		COP _d (declared COP)			5.66	5.62	5.65	5.42	5.72	
	C Condition (7°C)	Power input		kW	0.163	0.164	0.165	0.21	0.26	
		Pd _h (declared heating cap)		kW	1.06		1.1		1.75	
		COP _d (declared COP)			6.98	6.85	6.86	6.88	6.75	
	E condition (-10°C)	Power input		kW	0.152	0.155	0.16		0.259	
		Pd _h (declared heating cap)		kW	1.71		2.05	2.1	3.24	
COP _d (declared COP)			2.55		2	2.06	2.58			
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15					
	TBivalent	Tbiv (bivalent temperature)		°C	2					
		Pd _h (declared heating cap)		kW	1.18	1.29	1.4	1.78	2.05	
		COP _d (declared COP)			4.2	4.18		4.44	4.05	
	B Condition (2°C)	Power input		kW	0.281	0.309	0.335	0.401	0.506	
		Pd _h (declared heating cap)		kW	1.18	1.29	1.4	1.78	2.05	
		COP _d (declared COP)			4.2	4.18		4.44	4.05	
	C Condition (7°C)	Power input		kW	0.281	0.309	0.335	0.401	0.506	
		Pd _h (declared heating cap)		kW	0.92		0.93	1.14	1.49	
		COP _d (declared COP)			5.66	5.62	5.65	5.42	5.72	
	D Condition (12°C)	Power input		kW	0.163	0.164	0.165	0.21	0.26	
		Pd _h (declared heating cap)		kW	1.06		1.1		1.75	
		COP _d (declared COP)			6.98	6.85	6.86	6.88	6.75	
	E condition (2°C)	Power input		kW	0.152	0.155	0.16		0.259	
		Pd _h (declared heating cap)		kW	1.71		2.05	2.1	2.05	
		COP _d (declared COP)			2.55		2	2.06	4.05	
	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.	dB(A)	60		61			
		Cooling	Nom.	dB(A)	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
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	m ³ /min	27.6	29	28.5	40.1	
			Low	cfm	975	1,024	1,006	1,416	
	Heating	High	High	m ³ /min	27.1	28	27.5	40.1	
Low			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	High	rpm	790	820		870	
Low			rpm		550		600		
Compressor	Model				1Y078BKAX1P#D		1Y091BKCX1P#G	2Y1478KBX1P#D	
	Oil Amount		cm ³		400		375	650	
	Type				Hermetically sealed swing compressor				
	Output		W		700			1,300	
	Oil Type				FW68DA				
Operation range	Cooling	Ambient	Min.	°CDB				-10	
			Max.	°CDB				48	
Operation range	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	0.55	0.75	0.8	
	Charge		tCO ₂ Eq		0.28	0.37	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;

2 Specifications

2 - 1 Specifications

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 |
 See separate drawing for operation range