

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		13			1.4
		Btu/h		4,400.0			4,800.0
		kcal/h		1,180			1,204.0
	Nom.	kW	2.00	2.50	3.30	4.20	
		Btu/h	6,800.0	8,500.0	11,300	14,300	
		kcal/h	1,720.0	2,150.0	2,838.0	3,611.0	
	Max.	kW	2.4	2.8	3.8	4.3	
		Btu/h	8,200.0	9,600.0	12,800.0	14,700.0	
		kcal/h	2,064.0	2,408.0	3,224.0	3,697.0	
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kcal/h		-			
	Max.	kcal/h		-			
Heating capacity	Min.	kW		130			1.40
		Btu/h		4,400.0			4,800.0
		kcal/h		1,180			1,204.0
	Nom.	kW	2.40	2.80	3.50	4.60	
		Btu/h	8,200.0	9,600.0	11,900	15,700	
		kcal/h	2,064.0	2,408.0	3,010.0	3,955.0	
	Max.	kW	3.30	3.70	4.40	5.00	
		Btu/h	11,300.0	12,600.0	15,000.0	17,100.0	
		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		3.71	
	Energy labeling Directive	Cooling Heating		A			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	
	SCOPnet/A					4.25	
	Pdh Heating capacity at -10°	kW	186	197	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			5.59	
	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
EERd Power input			kW	3.38	3.24	3.10	3.30
B Condi- tion (30°C - 27/19)		Pdc	kW	1.47	1.84	2.58	3.09
		EERd Power input	kW	5.41	4.79	4.64	4.70
C Condi- tion (25°C - 27/19)		Pdc	kW	0.272	0.395	0.556	0.657
		EERd Power input	kW	1.14	1.18	1.66	1.99
D Condi- tion (20°C - 27/19)		Pdc	kW	8.52	8.41	8.55	7.91
		EERd Power input	kW	0.134	0.137	0.194	0.242
		Pdc	kW	130			132
		EERd Power input	kW	117			118
		Pdc	kW	0.111			0.112
		EERd Power input	kW				0.113

2 Specifications

2 - 1 Specifications

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	171		2.05	2.10				
		COPd (declared COP)		2.55		2.00	2.06				
		Power input	kW	0.670		103	102				
	TBivalent	Tbiv (bivalent temperature)		°C	-7.0						
		Pdh (declared heating cap)	kW	195	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	195	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				
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				
Space heating (Average climate)	B Condi- tion (2°C)	Power input		kW	0.281	0.309		0.335	0.401		
		Pdh (declared heating cap)		kW	0.920		0.930	1.14			
	C Condi- tion (7°C)	COPd (declared COP)			5.66	5.62		5.65	5.42		
		Power input		kW	0.163	0.164		0.165	0.210		
	D Con- dition (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	171		2.05	2.10				
		COPd (declared COP)		2.55		2.00	2.06				
		Power input	kW	0.670		103	110				
	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		
		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 Con- dition (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				
Power consump- tion in other than active mode	Crank- case heater mode	PCK		W	0.00						
		Off mode POFF		W	100						
	Standby mode	Cooling PSB		W	100						
		Heating PSB		W	10						
	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				
					53		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	m ³ /min	276	29.0	28.5		
			cfm	975	1,024	1,006			
		Heating	High	m ³ /min	271	28.0	275		
			cfm	957	990	971			
Fan motor	Model		DFC03Z1VA						
	Insulation grade		Class "E"						
	Output		W						
	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		cm ³		400		375		
	Type		Hermetically sealed swing compressor						
	Output		W						
	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.	dBA		60.0		62.0		
			Sound pressure level	Cooling	High	dBA		46.0	
	Heating	High				dBA		47.0	
			Refrigerant	Type		R-32			
Charge		kg		0.420		0.550			
GWP		675.0							
Piping connections	Liquid	OD		mm		6			
		Gas		OD		9.50			
	Drain		OD		18				
	Piping length		OU - IU Max.		m				
	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					RXF20E	RXF25E	RXF35E	RXF42E
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			

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