



Air Conditioning Technical Data RXF-D



1 Specifications

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Technical specifications			FTXF20D + RXF20D	FTXF25D + RXF25D	FTXF35D + RXF35D	FTXF42D + RXF42D
Indoor unit			FTXF20D5V1B	FTXF25D5V1B	FTXF35D5V1B	FTXF42D5V1B
Outdoor unit			RXF20D5V1B	RXF25D5V1B	RXF35D5V1B	RXF42D5V1B
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)	Min.	kcal/h	-			
	Max.	kcal/h	-			
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			
		Heating	A			
Space cooling	Energy efficiency class		A++			
	Capacity	Pdesign	2.00	2.50	3.50	4.20
	SEER		6.50			
	Annual energy consumption		108	135	188	226
Space heating (Average climate)	Capacity	Pdesign	2.20	2.40	2.60	3.30
	Energy efficiency class		A+			
	SCOP/A		4.11			4.30
	SCOPnet/A		4.15	4.16		4.36
	Pdh Heating capacity at -10°		1.91	2.00	2.22	2.61
	Annual energy consumption		749	818	885	1,075
	Required back up heating cap at design conditions		0.290	0.400	0.380	0.690
Space heating (Warm climate)	Capacity	Pdesignh	1.18	1.29	1.40	1.78
	Energy efficiency class		A+++	A++		A+++
	SCOP		5.20	5.00	4.87	5.35
	SCOPnet		5.28	5.26	5.13	5.72
	Annual energy consumption		321	361	402	466
	Required back up heating cap at design conditions		0.00			
Space cooling	A Condi- tion (35°C - 27/19)	Pdc	2.00	2.50	3.50	4.20
		EERd	3.35	3.30	3.10	3.30
	B Condi- tion (30°C - 27/19)	Power input	0.597	0.758	1.13	1.27
		Pdc	1.47	1.84	2.58	3.09
	C Condi- tion (25°C - 27/19)	EERd	5.10	4.91	4.64	4.70
		Power input	0.288	0.375	0.556	0.657
	D Condi- tion (20°C - 27/19)	Pdc	0.950	1.18	1.66	1.99
		EERd	8.52	8.41	8.55	7.91
		Power input	0.112	0.140	0.194	0.252
		Pdc		1.25		1.35
		EERd		11.7		12.8
		Power input		0.107		0.105

2 Specifications

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Technical specifications					FTXF20D + RXF20D		FTXF25D + RXF25D		FTXF35D + RXF35D		FTXF42D + RXF42D				
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)					2.47		2.02		2.06				
		Power input			kW		0.692		1.01		1.02				
	TBivalent	Tbiv (bivalent temperature)			°C		-7.0								
		Pdh (declared heating cap)			kW		1.95		2.12		2.30		2.92		
		COPd (declared COP)					2.78		2.75				2.70		
		Power input			kW		0.701		0.771		0.875		1.08		
	A Con- dition (-7°C)	Pdh (declared heating cap)			kW		1.95		2.12		2.30		2.92		
		COPd (declared COP)					2.78		2.75				2.70		
Space heating (Average climate)	B Condi- tion (2°C)	Power input			kW		0.287		0.314		0.338		0.408		
		Pdh (declared heating cap)			kW		0.900				1.00		1.14		
	C Condi- tion (7°C)	COPd (declared COP)					5.15				5.40		5.50		
		Power input			kW		0.175				0.185		0.207		
	D Condi- tion (12°C)	Pdh (declared heating cap)			kW		1.00				0.700		1.10		
		COPd (declared COP)					6.57				5.80		7.10		
	Power input			kW		0.152				0.121		0.155			
	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)					2.47				2.02		2.06	
Power input			kW		0.692				1.01		1.02				
TBivalent		Tbiv (bivalent temperature)			°C		2								
		Pdh (declared heating cap)			kW		1.18		1.29		1.40		1.78		
		COPd (declared COP)					4.17		4.11		4.13		4.36		
		Power input			kW		0.283		0.314		0.339		0.408		
B Condi- tion (2°C)		Pdh (declared heating cap)			kW		1.18		1.29		1.40		1.78		
		COPd (declared COP)					4.17		4.11		4.14		4.36		
		Power input			kW		0.283		0.314		0.338		0.408		
C Condi- tion (7°C)		Pdh (declared heating cap)			kW		0.900				1.00		1.14		
		COPd (declared COP)					5.08		5.15		5.40		5.50		
		Power input			kW		0.177		0.175		0.185		0.207		
D Condi- tion (12°C)		Pdh (declared heating cap)			kW		1.00				0.700		1.10		
		COPd (declared COP)					7.06		6.57		5.80		7.10		
		Power input			kW		0.142		0.152		0.121		0.155		
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.	dBA		60				61					
		Cooling	Nom.	dBA		53		54		59					
	Piping length	Cooling	Measuring con- dition		m		5.0								