

# Perfera for optimal comfort thanks to high energy efficiencies

Efficiency data		C/FTXM + RXM	CTXM15R	20R + 20R	25R + 25R	35R + 35R	42R + 42R	50R + 50R	60R + 60R	71R + 71R	
Cooling capacity	Min./Nom./Max.			1.30/2.00/2.60	1.30/2.50/3.20	1.40/3.40/4.00	1.70/4.20/5.00	1.70/5.00/6.00	1.70/6.00/7.00	2.30/7.10/8.50	
Heating capacity	Min./Nom./Max.			1.30/2.50/3.50	1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.40/6.00	1.70/5.80/7.70	1.70/7.00/8.00	2.30/8.20/10.20	
Power input	Cooling	Nom.	Multi combination only	0.44	0.56	0.80	0.97	1.36	1.77	2.34	
	Heating	Nom.		0.50	0.56	0.99	1.31	1.45	1.94	2.57	
Space cooling	Energy efficiency class			A+++			A++				
	Capacity	Pdesign		kW	2.00	2.50	3.40	4.20	5.00	6.00	7.10
	SEER				8.65			7.85	7.41	6.90	6.20
	Annual energy consumption			kWh/a	81	101	137	187	236	304	401
Space heating (Average climate)	Energy efficiency class			A+++			A++		A+		
	Capacity	Pdesign		kW	2.30	2.40	2.50	4.00	4.60	4.80	6.20
	SCOP/A				5.10			4.71	4.71	4.30	4.10
Nominal efficiency	Annual energy consumption			kWh/a	631	659	686	1,189	1,368	1,562	2,117
	EER			4.57	4.50	4.23	4.33	3.68	3.39	3.03	
	COP			5.00			4.04	4.12	4.00	3.61	3.19
	Annual energy consumption		kWh	219	278	402	485	679	885	1,172	
Energy labeling Directive Cooling/Heating				A/A			-/A	A/A		B/D	

Indoor unit		C/FTXM	CTXM15R	20R	25R	35R	42R	50R	60R	71R	
Dimensions	Unit	HeightxWidthxDepth	mm	295x778x272				299x998x292			
Weight	Unit		kg	10.0				14.5			
Air filter	Type			Removable / washable							
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m <sup>3</sup> /min	4.3/5.7/7.5/10.5	4.1/5.7/7.6/10.5	4.2/6.0/7.8/11.3	4.3/6.5/9.0/11.9	8.3/11.4/14/15.8	9.1/11.8/14/16.7	10.0/12.2/15/16.9
		Heating	Silent operation/ Low/Medium/High	m <sup>3</sup> /min	5.1/6.2/8.2/9.3	4.9/6.3/8.0/9.8	4.9/6.5/8.5/9.8	4.9/6.5/9.7/12.4	10.5/12.0/14.2/15.8	11.1/12.4/15.2/16.5	11.6/12.7/15.8/17.7
Sound power level	Cooling		dBa	57		58		60	58.0	60.0	
	Heating		dBa	54			60		58.0	59.0	61.0
Sound pressure level	Cooling	Silent operation/Low/High	dBa	19/25/41			19/29/45	21/30/45	27.0/36.0/44.0	30.0/37.0/46.0	32.0/38.0/47.0
	Heating	Silent operation/Low/High	dBa	20/26/39	20/27/39		20/28/39	21/29/45	31.0/34.0/43.0	33.0/36.0/45.0	34.0/37.0/46.0
Control systems	Infrared remote control			ARC466A67							
	Wired remote control			BRC073A1							

Outdoor unit		RXM	CTXM15R	20R	25R	35R	42R	50R	60R	71R	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285			734x870x373			734x954x401	
Weight	Unit		kg	32			49.0			55	
Sound power level	Cooling		dBa	59	58	61	62.0		63.0	66.0	
	Heating		dBa	59		61	62.0		63.0	67.0	
Sound pressure level	Cooling	Nom.	dBa	46		49	48.0			47.0	
	Heating	Nom.	dBa	47		49	48.0	49.0	48.0		
Operation range	Cooling	Ambient	Min.~Max.	-10~-50°C							
	Heating	Ambient	Min.~Max.	-20~-25°C							
Refrigerant	Type			R-32							
	GWP			675							
Piping connections	Charge		kg/TCO <sub>2</sub> Eq	0.76/0.52			1.10/0.750	1.15/0.780			
	Liquid	OD	mm	9.50			6.35			12.7	15.9
Piping connections	Gas	OD	mm	20						30	
	Piping length	OU - IU	Max.	10						-	
	System	Chargeless	m							-	
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)							
Power supply	Level difference	IU - OU	Max.	15						20.0	
	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							
Current - 50Hz	Maximum fuse amps (MFA)		A	-							

See separate drawing for operation range | 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. | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases