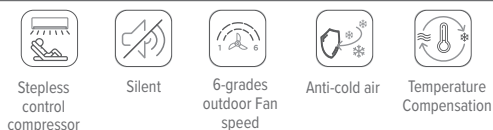


BOX 2 950x950 70M ÷ 160M



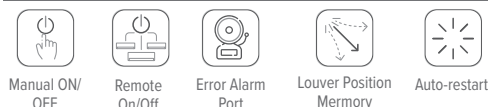
COMFORT



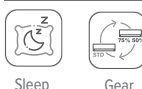
RELIABILITY



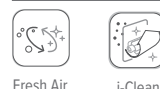
CONVENIENCE



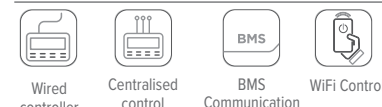
ENERGY SAVING



HEALTH



OPTIONAL



technical data

Set				70M	88M	105M	120M	105T	140T	160T
Cooling capacity	Standard (Min.÷Max.)	Btu/h		24,000 (11,270÷27,000)	30,000 (7,600÷32,000)	36,000 (9,200÷39,000)	41,000 (10,000÷42,000)	36,000 (9,200÷39,000)	48,000 (12,000÷54,000)	52,000 (14,000÷57,000)
	Standard (Min.÷Max.)	kW		7,03 (3,30÷7,91)	8,79 (2,23÷9,38)	10,6 (2,70÷11,4)	12,0 (2,93÷12,3)	10,6 (2,70÷11,4)	14,1 (3,52÷15,8)	15,2 (4,10÷16,7)
Heating capacity	Standard (Min.÷Max.)	Btu/h		26,000 (9,600÷30,500)	32,000 (9,200÷33,200)	38,000 (9,500÷42,000)	46,000 (11,500÷48,000)	38,000 (9,500÷43,200)	55,000 (14,000÷59,000)	62,000 (15,000÷68,000)
	Standard (Min.÷Max.)	kW		7,62 (2,81÷8,94)	9,38 (2,70÷9,73)	11,1 (2,78÷12,3)	13,5 (3,37÷14,1)	11,1 (2,78÷12,7)	16,1 (4,10÷17,3)	18,2 (4,40÷19,9)
Standard power supply	Cooling	Standard (Min.÷Max.)	W	2.320 (780÷2.748)	2.750 (190÷3.000)	3.950 (900÷4.200)	4.200 (680÷4.350)	4.000 (890÷4.150)	4.650 (800÷5.900)	5.000 (980÷6.200)
	Heating	Standard (Min.÷Max.)	W	1.900 (610÷2.700)	2.450 (430÷2.550)	3.000 (800÷3.950)	3.700 (750÷4.250)	3.000 (780÷4.000)	4.580 (900÷5.500)	5.550 (1,020÷6.700)
Standard current input	Cooling	Standard (Min.÷Max.)	A	10,2 (4,20÷12,0)	12,0 (2,00÷13,0)	17,5 (4,20÷18,5)	18,8 (3,10÷19,1)	6,50 (1,40÷6,50)	8,10 (1,80÷10,2)	8,60 (2,10÷10,7)
	Heating	Standard (Min.÷Max.)	A	8,50 (3,60÷12,1)	11,0 (3,00÷11,5)	13,5 (3,50÷17,5)	16,3 (3,40÷19,0)	5,00 (1,30÷6,40)	8,00 (1,90÷9,50)	9,60 (2,10÷10,7)
Seasonal efficiency ¹	Cooling	Energy class	-	A++	A++	A++	A++	A++	A++	A++
		Design load (Pdesign)	kW	7,00	8,80	10,5	12,1	10,5	14,0	15,3
		SEER	-	6,10	6,10	6,10	6,10	6,10	6,10	6,10
		Annual energy consumption	kWh/a	395	467	549	700	589	810	860
	Heating	Energy class	-	A+	A+	A+	A+	A+	A+	A+
		Design load (Pdesign)	kW	6,00	7,80	8,50	9,50	8,20	11,2	11,9
		SCOP	-	4,00	4,00	4,00	4,00	4,00	4,00	4,00
		Annual energy consumption	kWh/a	2,100	2,467	2,975	3,275	2,870	3,860	4,190
	Average season	Energy class	-	A+++	A+++	A+++	A+++	A+++	A++	A+++
		SCOP	-	5,10	5,10	5,10	5,10	5,10	5,00	5,10
Standard efficiency ²	EER	-	-	3,28	3,23	3,33	2,86	3,29	3,03	3,05
	COP	-	-	4,01	3,83	3,71	3,71	3,71	3,52	3,27

Indoor unit

Model Unit				IA3-XY							
Article code				88072256	89102215	89102221	89112233	89102221	89122256	89132225	
Dimensions	Unit	L x D x H	mm	830x830x205	830x830x245	830x830x245	830x830x287	830x830x245	830x830x287	830x830x287	
	Packaging (Unit)	L x D x H	mm	910x910x250	910x910x290	910x910x290	910x910x330	910x910x290	910x910x330	910x910x330	
	Panel	L x D x H	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	
	Packaging (Panel)	L x D x H	mm	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	
Weight	Unit / Packaging		kg	21,6/25,4	24,6/28,6	27,2/31,2	29,3/33,5	27,2/31,2	29,3/33,5	29,3/33,5	
	Panel / Packaging		kg				6,00/9,00				
Air filter	Type		-	R/W							
Airflow		Hi/Mid/Lo	m³/h	1247/1118/992	1700/1530/1300	1700/1530/1300	1900/1750/1600	1700/1530/1300	1900/1750/1600	2000/1850/1650	
Sound power		Hi	dB(A)	59	63	64	66	64	66	66	
Sound pressure level		Hi/Mid/Lo	dB(A)	50/48/42	51/48/46	51/49/46	53/50/48	51/49/46	53/51/48	55/52/50	
Control systems	Infrared remote control		-	RG10A-D2S-BGEF							
	Settable temperature		°C	16÷30							
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1							

¹ SEER and SCOP data, relative energy ratings and annual energy consumption in conformity to the EN 14825 standard measurement.

² EER/COP values declared only for tax deductions in force at the time this document was written
R/W = Removable/Washable

Test conditions:

according to EN14511 / EN12102

Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;

Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.

Data declared according to UE 626/2011 delegated regulation

Outdoor unit			MC3-Y	70M	88M	105M	120M	105T	140T	160T
Article code				89092257	89112230	89092274	87032230	89122200	88072255	89102239
Dimensions	Unit	L x D x H	mm	890x342x673	946x410x810	946x410x810	946x410x810	946x410x810	952x415x1333	952x415x1333
	Packaging	L x D x H	mm	995x398x740	1090x500x885	1090x500x885	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480
Weight	Unit / Packaging		kg	43,9/46,9	52,8/57,3	66,9/71,5	71,0/75,0	80,5/85,0	103,7/118,3	107,0/121,2
Sound power		Nominal	dB(A)	69	70	70	72	70	74	75
Sound pressure level		Nominal	dB(A)	60	62	63	63	63	64	64
		Indoor T.	°C				16÷32			
Operating Voltage Range	Cooling	Outdoor T.	°CBS				-15÷50			
	Heating	Indoor T.	°C				0÷30			
		Outdoor T.	°CBU				-15÷24			
Refrigerant	Type/GWP		-				R-32 / 675			
Power supply	Voltage/Frequency/Phases		V/Hz/n°			230 / 50 / 1			400 / 50 / 3 + N	

refrigerant piping and connections

Set			70M	88M	105M	120M	105T	140T	160T
Max equivalent length		m	50	50	75	75	75	75	75
Max difference in level ODU / IDU		m	±25	±25	±30	±30	±30	±30	±30
Refrigerant precharge		kg / m	1,5 / 5	2,0 / 5	2,4 / 5	2,8 / 5	2,4 / 5	2,9 / 5	3,0 / 5
External diameters	Liquid	mm / inch	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"
	Gas	mm / inch	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"

electrical connections

Set			70M	88M	105M	120M	105T	140T	160T
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	400 / 50 / 3	400 / 50 / 3	400 / 50 / 3
		no. of cables	2 + G	2 + G	2 + G	2 + G	4 + G	4 + G	4 + G
IDU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
		no. of cables / cross-section	2 + G	2 + G	2 + G	2 + G	2 + G	2 + G	2 + G
	Signal	no. of cables / cross-section	1	1	1	1	1	1	1

accessoires

Standard	
RG10A-D2S-BGEF	Infrared remote control for indoor units CRISTALLO 2 / EZCool / BOX 2 / CONSOLE 3 / DUCT 2 / C&F 2
Optionals	
T-MBQ4-04B	Panel for Box 2 950x950, 360° air delivery, round hole grill (Mandatory accessory, to be selected separately)
KFR-120Q-EDFJB-B	Smart port kit for the hiwall indoor unit management via Wi-Fi (it includes the adaptor and the USB key)
Control Systems	(see dedicated section)