

SPECIFICATIONS OF OUTDOOR UNIT OF CITY MULTI R32 SERIES

MODEL	PURY-EM300YXM-A/TR(-BS)		QUANTITY	
Outdoor Model	PURY-EM300YXM-A/TR(-BS)			
Power source	3-phase 4-wire 380-400-415V 50Hz			
Cooling capacity (Nominal)	*1	kW	33.5	
		BTU/h	114,300	
		Power input kW	8.13	
		Current input A	13.7-13.0-12.5	
		EER	4.12	
	SEER	8.81		
Temp. range of cooling	*4	Indoor	W.B.	
		Outdoor	D.B.	
Heating capacity (Max)	*2	kW	37.5	
		BTU/h	128,000	
		Power input kW	9.23	
		Current input A	15.5-14.8-14.2	
		COP	4.06	
	(Nominal)	*3	kW	33.5
			BTU/h	114,300
			Power input kW	7.66
			Current input A	12.9-12.2-11.8
			COP	4.37
	SCOP	4.71		
Temp. range of heating	*4	Indoor	D.B.	
		Outdoor	W.B.	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model/Maximum quantity		M10-M250/22	
Sound pressure level (measured in anechoic room)	*5, 6	dB <A>	60.5/62.0	
Sound power level (measured in anechoic room)	*5	dB <A>	80/83	
Refrigerant piping diameter	High pressure	mm (in.)	19.05 (3/4) Brazed	
	Low pressure	mm (in.)	22.2 (7/8) Brazed	
FAN	Type x Quantity		Propeller fan x 1	
	Air flow rate	m ³ /min	200	
		L/s	3,333	
		cfm	7,062	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	
	*7	Motor output kW	0.92 x 1	
	External static press.	0 Pa (0 mmH ₂ O)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter	
		Motor output kW	7.1	
		Case heater kW	-	
	Lubricant		MEL46EH	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,858 (1,798 without legs) x 910 x 740	
		in.	73-3/16 (70-13/16 without legs) x 35-7/8 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	
	Compressor		-	
	Fan motor		-	
Refrigerant	Type x original charge		R32 x 5.3kg (12lbs)	
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	273 (602)	
Heat exchanger			Corrugated fin & Zinc-Sprayed Aluminum Multi-Port Extruded tubes	
HIC circuit (HIC: Heat Inter-Changer)			-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle, Liquid backless refrigerant cycle)	
Drawing	External		KB94CAKZ	
	Wiring		KE94L610	
Standard attachment	Document		Installation Manual	
	Accessory		-	
Optional parts	Joint		CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R170M-E	
	Main BC controller		CMB-M104/106/108/1012V-MA-SV(-TR)	
	Sub BC controller		CMB-M104/108V-MB-SV(-TR)	
Remarks	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.			

Notes:	Unit converter
1.Nominal cooling conditions	BTU/h =kW x 3,412
Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B./24°C.W.B. (95°F.D.B./75°F.W.B.) (subject to EN 14511-2)	cfm =m ³ /min x 35.31
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) (subject to EN 14511-3)	lbs =kg/0.4536
2.Max heating conditions	
Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.) (subject to EN 14511-2)	
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) (subject to EN 14511-3)	
3.Nominal heating conditions	
Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.) (subject to EN 14511-2)	
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) (subject to EN 14511-3)	
Eurovent registered	
4.-10 °C.D.B.(14 °F.D.B.)/-11 °C.W.B.(12 °F.W.B.) to 21 °C.D.B.(70 °F.D.B.)/15.5 °C.W.B.(60 °F.W.B.) with cooling/heating mixed operation.	
5.Cooling mode/Heating mode	
6.The sound pressure level measured by the conventional method in JIS for reference purpose.	
7.External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH ₂ O, 6.1 mmH ₂ O, 8.2 mmH ₂ O). Consult your dealer about the specification when setting External static pressure option.	
	*Above specification data is subject to rounding variation.