

OUTDOOR UNIT

S-series

PUMY-CP YKM2 (-BS) **NEW**

CP100~140

CP175~225

Specifications

Model			PUMY-CP100YKM2 (-BS)	PUMY-CP125YKM2 (-BS)	PUMY-CP140YKM2 (-BS)	PUMY-CP175YKM2 (-BS)	PUMY-CP200YKM2 (-BS)	PUMY-CP225YKM2 (-BS)	
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz						
Cooling capacity (Nominal)	*1	kW	11.2	14.0	15.5	20.0	22.4	25.0	
	*1	BTU/h	38,200	47,800	52,900	68,200	76,400	85,300	
	Power input		kW	2.80	3.84	4.70	5.00	5.74	6.54
	Current input		A	4.48-4.25-4.10, 4.48	6.14-5.83-5.62, 6.14	7.52-7.14-6.88, 7.52	8.94-8.50-8.19, 8.94	10.03-9.53-9.18, 10.03	11.17-10.61-10.23, 11.17
Temp. range of cooling	EER		kW/kW	4.00	3.65	3.30	4.00	3.90	3.82
	Indoor temp.		W.B.	15.0 to 24.0°C (59 to 75°F)					
	Outdoor temp.		D.B.	10 to 52.0°C (50 to 126°F)					
Indoor unit connectable	Total capacity		50 to 150% of outdoor unit capacity *2						
	Model/ Quantity	CITY MULTI	15-125/7	15-140/10	15-140/12	15-200/12	15-250/12	15-250/12	
Sound pressure level (measured in anechoic room)		*3	dB <A>	52/-	53/-	54/-	57/-	57/-	58/-
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Flared				9.52 (3/8) Flared*4		
	Gas pipe	mm (in.)	15.88 (5/8) Flared				22.2 (7/8) Brazed		
Fan	Type x Quantity		Propeller Fan × 1				Propeller Fan × 2		
	Air flow rate	m³/min	78.8				134	134	143.8
		L/s	1,313				2,233	2,233	2,397
		cfm	2,782				4,732	4,732	5,078
		*5	Motor output	kW	0.20 x 1				0.20 + 0.20
	Compressor	Type x Quantity		Twin rotary hermetic compressor × 1				Scroll hermetic compressor × 1	
Starting method		Inverter							
Motor output		kW	2.6	3.5	3.7	3.5	3.9	4.3	
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1						
External dimension H x W x D		mm	981 × 1050 × 330 (+25)				1,338 × 1,050 × 330 (+25)		
		in.	38-5/8 × 41-3/8 × 13 (+1)				52-11/16 × 41-11/32 × 13 (+1)		
Protection devices	High pressure protection		High pressure switch						
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat Sink thermistor)						
	Compressor		Compressor thermistor, Overcurrent detection, Compressor protector						
	Fan motor		Overheating, Voltage protection						
Refrigerant	Type x original charge		R410A 2.9kg				R410A 6.3kg		
Net weight	kg (lbs)		87 (191) *6				129 (285) *6		
Heat exchanger			Micro Slit Fin and Copper tube				Cross Fin and Copper tube		
Defrosting method			—				Reversed refrigerant circuit		
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E						

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB (95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)

*2 Up to 150% can be connected. However, up to 130% for simultaneous operation.

*3 Cooling mode/Heating mode

*4 Liquid pipe diameter: 12.7mm in case that the farthest piping length is longer than 60m, or piping length from outdoor unit to a branch box is longer than 20m.

*5 External static pressure option for CP100/125/140 is available (30 Pa/3.1 mmH₂O).

*6 88 (195), for PUMY-CP100/125/140YKM2-BS. 130 (287) for PUMY-CP175/200/225YKM2-BS.

*Nominal conditions *1 are subject to ISO 15042.

*Due to continuing improvement, above specification may be subject to change without notice.

Advantages of CITY MULTI

Outdoor/Heat source unit

Indoor unit

Remote Controller

Lossnay

Installation information