

OUTDOOR UNIT ZUBADAN (Heat Pump) Series(Y) PUHY-HP Y(S)HM-A(-BS)



► Specifications

Set name	PUHY-HP200YHM-A(-BS)		PUHY-HP250YHM-A(-BS)		PUHY-HP400YSHM-A(-BS)		PUHY-HP500YSHM-A(-BS)			
Power source	3-phase 4-wire 380-400-415V 50/60Hz									
Cooling capacity (Nominal)	*1	kW	22.4	28.0	45.0	56.0				
		BTU/h	76,400	95,500	153,500	191,100				
		Power input	kW	6.40	9.06	12.86	18.16			
		Current input	A	10.8-10.2-9.8	15.2-14.5-14.0	21.7-20.6-19.8	30.6-29.1-28.0			
		COP	kW/kW	3.50	3.09	3.49	3.08			
Temp. range of cooling	Indoor	W.B.	15 ~ 24°C (59 ~ 75°F)							
	Outdoor	D.B.	- 5 ~ 43°C (23 ~ 109°F)							
Heating capacity (Nominal)	*2	kW	25.0	31.5	50.0	63.0				
		BTU/h	85,300	107,500	170,600	215,000				
		Power input	kW	6.52	8.94	13.35	18.04			
		Current input	A	11.0-10.4-10.0	15.0-14.3-13.8	22.5-21.4-20.6	30.4-28.9-27.8			
		COP	kW/kW	3.83	3.52	3.74	3.49			
Temp. range of heating	Indoor	D.B.	15 ~ 27°C (59 ~ 81°F)							
	Outdoor	W.B.	-25 ~ 15.5°C (-13 ~ 60°F)							
Indoor unit connectable	Total capacity	50 ~ 130% of outdoor unit capacity								
	Model/Quantity	P15~P250 / 1~17		P15 ~ P250 / 1 ~ 21		P15 ~ P250 / 1 ~ 34		P15 ~ P250 / 1 ~ 43		
Sound pressure level (measured in anechoic room)	dB<A>	56		57		59		60		
Diameter of refrigerant pipe	Liquid pipe	mm(in.)	ø12.7 (ø1/2) Brazed		ø12.7 (ø1/2) Brazed		ø15.88 (ø5/8) Brazed		ø15.88 (ø5/8) Brazed	
	Gas pipe	mm(in.)	ø19.05 (ø3/4) Brazed		ø22.2 (ø7/8) Brazed		ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed	
Model		-								
External finish		Pre-coated galvanized steel sheets <MUNSELL 5Y 8/1 or similar>				Pre-coated galvanized steel sheets <MUNSELL 5Y 8/1 or similar>				
External dimension H x W x D	mm	1,710 (without legs 1,650) x 920 x 760		1,710 (without legs 1,650) x 920 x 760		1,710 (without legs 1,650) x 920 x 760		1,710 (without legs 1,650) x 920 x 760		
	in.	67-3/8 (without legs 65) x 36-1/4 x 29-15/16		67-3/8 (without legs 65) x 36-1/4 x 29-15/16		67-3/8 (without legs 65) x 36-1/4 x 29-15/16		67-3/8 (without legs 65) x 36-1/4 x 29-15/16		
Net weight	kg(lbs)	220 (486)		220 (486)		220 (486)		220 (486)		
Heat exchanger		Salt-resistant cross fin & copper tube								
Compressor	Type	Inverter scroll hermetic compressor								
	Starting method	Inverter								
	Motor output	kW	5.3	6.7	5.3	5.3	6.7	6.7		
FAN	Air flow rate	m ³ /min	225	225	225	225	225	225		
		L/s	3,750	3,750	3,750	3,750	3,750	3,750		
		cfm	7,945	7,945	7,945	7,945	7,945	7,945		
	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
Motor output	kW	0.92 x 1		0.92 x 1		0.92 x 1		0.92 x 1		
External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)			
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)								
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection								
Refrigerant	Compressor	Over-heat protection								
	Type x Original charge	R410A x 9.0kg (20 lbs)		R410A x 9.0kg (20 lbs)		R410A x 9.0kg (20 lbs)		R410A x 9.0kg (20 lbs)		
Pipe between unit distributor	Liquid pipe	mm(in.)	-		ø9.52 (ø3/8) Flare		ø9.52 (ø3/8) Flare		ø9.52 (ø3/8) Flare	
	Gas pipe	mm(in.)	-		ø19.05 (ø3/4) Brazed		ø22.2 (ø7/8) Brazed		ø22.2 (ø7/8) Brazed	
Optional parts		Joint : CMY-Y102SS-G2 Header : CMY-Y104/108/1010-G				Outdoor Twinning kit : CMY-Y100VBK2 Joint : CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header : CMY-Y104/108/1010-G				

Notes:

*1,*2 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.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-1.

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