

OUTDOOR UNIT

Y Series

PUHY-P YHM-A(-BS)

► Specifications



			PUHY-P200YHM-A(-BS)		PUHY-P250YHM-A(-BS)		PUHY-P300YHM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz					
Cooling capacity (Nominal)	#1	kW	22.4		28.0		33.5	
	#1	BTU/h	76,400		95,500		114,300	
	Power input	kW	5.72		7.73		9.07	
	Current input	A	9.6-9.1-8.8		13.0-12.3-11.9		15.3-14.5-14.0	
	COP (kW/kW)		3.91		3.62		3.69	
Temp. #3 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		37.5	
	#2	BTU/h	85,300		107,500		128,000	
	Power input	kW	6.03		7.83		9.39	
	Current input	A	10.1-9.6-9.3		13.2-12.5-12.1		15.8-15.0-14.5	
	COP (kW/kW)		4.14		4.02		3.99	
Temp. #3 range of heating	Indoor temp.	D.B.	15-27°C(59-81°F)					
	Outdoor temp.	W.B.	-20-15.5°C(-4-60°F)					
Indoor unit connectable			50-130% of outdoor unit capacity					
Model/Quantity			P15-P250 / 1-17		P15-P250 / 1-21		P15-P250 / 1-26	
Sound pressure level (measured in anechoic room)			dB<A>		56		57	
Diameter of refrigerant pipe			ø9.52 (ø3/8) Brazed		ø9.52 (ø3/8) Brazed		ø9.52 (ø3/8) Brazed	
	Liquid	mm(in.)			(ø12.7 (ø1/2) Brazed, total length >=90m)		(ø12.7 (ø1/2) Brazed, total length>=40m)	
	Gas	mm(in.)	ø19.05 (ø3/4) Brazed		ø22.2 (ø7/8) Brazed		ø22.2 (ø7/8) Brazed	
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		1,710(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	
Net weight			kg(lbs)		185 (408)		210 (463)	
Heat exchanger			Salt-resistant cross fin & copper tube					
Compressor	Type		Inverter scroll hermetic compressor					
	Starting method		Inverter					
FAN	Motor output	kW	5.4		6.7		8.2	
		m³/min	185		185		185	
	Air flow rate	L/s	3,083		3,083		3,083	
		cfm	6,532		6,532		6,532	
	Type X Quantity		Propeller fan X 1		Propeller fan X 1		Propeller fan X 1	
	Motor output	kW	0.46 X 1		0.46 X 1		0.46 X 1	
Protection	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)					
	Inverter circuit (COMP./FAN) Compressor		Over-heat protection, Over-current protection					
Refrigerant	Type X Original charge		R410A X 6.5kg (15 lbs)		R410A X 9.0kg (20 lbs)		R410A X 9.0kg (20 lbs)	
Optional parts			joint : CMY-Y102S-G2		joint : CMY-Y102S / L-G2			
			Header : CMY-Y104 / 108 / 1010-G		Header : CMY-Y104 / 108 / 1010-G			

Note:

#1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#3 -5°C (23°F) DB/-6°C (21°F) WB-21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor unit

OUTDOOR UNIT

Y Series

PUHY-P YHM-A(-BS)

► Specifications



			PUHY-P350YHM-A(-BS)		PUHY-P400YHM-A(-BS)		PUHY-P450YHM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz					
Cooling capacity (Nominal)	#1	kW	40.0		45.0		50.0	
		BTU/h	136,500		153,500		170,600	
	#1	Power input kW	11.20		13.23		16.28	
		Current input A	18.9-17.9-17.3		22.3-21.2-20.4		27.4-26.1-25.1	
		COP (kW/kW)	3.57		3.40		3.07	
Temp. #3 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	45.0		50.0		56.0	
		BTU/h	153,500		170,600		191,100	
	#2	Power input kW	12.09		13.47		15.38	
		Current input A	20.4-19.3-18.6		22.7-21.6-20.8		25.9-24.6-23.7	
		COP (kW/kW)	3.72		3.71		3.64	
Temp. #3 range of heating	Indoor temp.	D.B.	15-27°C (59-81°F)					
	Outdoor temp.	W.B.	-20-15.5°C (-4-60°F)					
Indoor unit connectable			50-130% of outdoor unit capacity					
Model/Quantity			P15-P250 / 1-30		P15-P250 / 1-34		P15-P250 / 1-39	
Sound pressure level (measured in anechoic room)			60		61		62	
dB<A>								
Diameter of refrigerant pipe	Liquid	mm(in.)	ø12.7 (ø1/2) Brazed		ø12.7 (ø1/2) Brazed		ø15.88 (ø5/8) Brazed	
	Gas	mm(in.)	ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed	
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 1,710/(without legs 1,650) X 1,220 X 760 67-3/8/(without legs 65) 5 48-1/16 5 29-15/16		mm 1,710/(without legs 1,650) X 1,220 X 760 67-3/8/(without legs 65) 5 48-1/16 5 29-15/16		mm 1,710/(without legs 1,650) X 1,220 X 760 67-3/8/(without legs 65) 5 48-1/16 5 29-15/16	
Net weight			kg(lbs) 245 (541)		kg(lbs) 245 (541)		kg(lbs) 245 (541)	
Heat exchanger			Salt-resistant cross fin & copper tube					
Compressor	Type		Inverter scroll hermetic compressor					
	Starting method		Inverter					
	Motor output	kW	10.3		10.5		12.0	
FAN	Air flow rate	m³/min	225		225		225	
		L/s	3,750		3,750		3,750	
		cfm	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
Protection	Motor output	kW	0.46 X 1		0.46 X 1		0.46 X 1	
	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)					
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection					
	Compressor		Over-heat protection					
Refrigerant	Type X Original charge	R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		
Optional parts			joint : CMY-Y102S / L-G2, CMY-Y202-G2 Header : CMY-Y104 / 108 / 1010-G					

Note:

#1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#3 -5°C (23°F) DB/-6°C (21°F) WB-21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor Unit

OUTDOOR UNIT Y Series PUHY-P YSHM-A(-BS)



► Specifications

Set name	PUHY-P500YSHM-A(-BS)		PUHY-P550YSHM-A(-BS)		PUHY-P600YSHM-A(-BS)		PUHY-P650YSHM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz								
Cooling capacity (Nominal)	≠1	kW	56.0	63.0	69.0		73.0		
	≠1	BTU/h	191,100	215,000	235,400		249,100		
	Power input	kW	16.47	18.36	18.75		20.79		
	Current input	A	27.8-26.4-25.4	30.9-29.4-28.3	31.6-30.0-28.9		35.0-33.3-32.1		
	COP (kW / kW)		3.40	3.43	3.68		3.51		
Temp. ≠4 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	63.0	69.0	76.5		81.5		
	≠2	BTU/h	215,000	235,400	261,000		278,100		
	Power input	kW	16.40	18.06	19.92		21.90		
	Current input	A	27.6-26.3-25.3	30.4-28.9-27.9	33.6-31.9-30.7		36.9-35.1-33.8		
	COP (kW/kW)		3.84	3.82	3.84		3.72		
Temp. ≠4 range of heating	Indoor temp.	D.B.	15~27°C (59~81°F)						
	Outdoor temp.	W.B.	-20~15.5°C (-4~60°F)						
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity							
Model/Quantity		P15~P250 / 1~43	P15~P250 / 1~47	P15~P250 / 1~50	P15~P250 / 1~50				
Sound pressure level (measured in anechoic room)	dB <A>	60	61	62	62.5				
Diameter of refrigerant pipe	Liquid	mm(in.)	ø15.88 (ø5/8) Braze	ø15.88 (ø5/8) Braze	ø15.88 (ø5/8) Braze	ø15.88 (ø5/8) Braze			
	Gas	mm(in.)	ø28.58 (ø1-1/8) Braze	ø28.58 (ø1-1/8) Braze	ø28.58 (ø1-1/8) Braze	ø28.58 (ø1-1/8) Braze			
Outdoor unit 1 and Outdoor unit 2		PUHY-P500YHMA (-BS)	PUHY-P550YHMA (-BS)	PUHY-P600YHMA (-BS)	PUHY-P650YHMA (-BS)	PUHY-P500YHMA (-BS)			
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	1,710 X 920 X 760	1,710 X 920 X 760	1,710 X 920 X 760	1,710 X 1,220 X 760	1,710 X 920 X 760	1,710 X 920 X 760	1,710 X 1,220 X 760	
	in.	67.38 X 36.14 X 29.15/16	67.38 X 36.14 X 29.15/16	67.38 X 36.14 X 29.15/16	67.38 X 48.1 X 29.15/16	67.38 X 36.14 X 29.15/16	67.38 X 36.14 X 29.15/16	67.38 X 48.1 X 29.15/16	
Net weight	kg(lbs)	215 (474)	215 (474)	215 (474)	245 (541)	215 (474)	215 (474)	245 (541)	
Heat exchanger	Type	Salt-resistant cross fin & copper tube							
Compressor	Starting method	Inverter scroll hermetic compressor							
	Motor output	kW	6.7	6.7	6.7	8.2	6.7	10.3	8.2
		m³/min	185	185	185	185	225	185	225
	Air flow rate	L/s	3,083	3,083	3,083	3,083	3,750	3,083	3,750
FAN		cfm	6,532	6,532	6,532	6,532	7,945	6,532	7,945
	Type X Quantity	Propeller fan X 1	Propeller fan X 1	Propeller fan X 1	Propeller fan X 1	Propeller fan X 1	Propeller fan X 1	Propeller fan X 1	Propeller fan X 1
	Motor output	kW	0.46 X 1	0.46 X 1	0.46 X 1	0.46 X 1	0.46 X 1	0.46 X 1	0.46 X 1
	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)						
Protection	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection							
	Compressor	Over-heat protection							
Refrigerant	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)	R410A X 11.5kg (26 lbs)	R410A X 9.0kg (20 lbs)	R410A X 11.5kg (26 lbs)	
	Pipe between unit distributor	Liquid	mm(in.)	ø9.52 (ø3/8) Braze	ø9.52 (ø3/8) Braze	ø12.7 (ø1/2) Braze	ø9.52 (ø3/8) Braze	ø12.7 (ø1/2) Braze	ø12.7 (ø1/2) Braze
	Gas	mm(in.)	ø22.2 (ø7/8) Braze	ø22.2 (ø7/8) Braze	ø22.2 (ø7/8) Braze	ø28.58 (ø1-1/8) Braze	ø22.2 (ø7/8) Braze	ø28.58 (ø1-1/8) Braze	
Optional parts		Outdoor Twinning Kit : CMY-Y100VBK2 joint : CMY-Y102S / L-G2, CMY-Y202-G2 Header : CMY-Y104 / 108 / 1010-G							
		Outdoor Twinning Kit : CMY-Y100VBK2 joint : CMY-Y102S / L-G2, CMY-Y202 / 302-G2 Header : CMY-Y104 / 108 / 1010-G							

Note:

≠1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

≠2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

≠3 Height without legs 1650mm (65 in.)

≠4 -5°C (23°F) DB/-6°C (21°F) WB -21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor unit

OUTDOOR UNIT Y Series PUHY-P YSHM-A(-BS)



► Specifications

Set name	PUHY-P700YSHM-A(-BS)			PUHY-P750YSHM-A(-BS)			PUHY-P800YSHM-A(-BS)						
Power source	3-phase 4-wire 380-400-415V 50/60Hz												
Cooling capacity (Nominal)	≠1	kW	80.0			85.0			90.0				
		BTU/h	273,000			290,000			307,100				
		Power input kW	22.47			25.07			27.69				
		Current input A	37.9-36.0-34.7			42.3-40.2-38.7			46.7-44.4-42.8				
COP (kW/kW)		3.56			3.39			3.25					
Temp. ≠4 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	88.0			95.0			100.0		
				BTU/h	300,300			324,100			341,200		
Heating capacity (Nominal)	Power input	kW	23.71			25.46			25.70				
		Current input A	40.0-38.0-36.6			42.9-40.8-39.3			43.3-41.2-39.7				
		COP (kW/kW)		3.71			3.73			3.89			
		Indoor temp.	D.B.	15~27°C (59~81°F)									
Temp. ≠4 range of heating	Outdoor temp.	W.B.	-20~15.5°C (-4~60°F)										
		Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity									
				Model/Quantity	P15~P250 / 1~50		P15~P250 / 1~50		P15~P250 / 1~50				
		Sound pressure level (measured in anechoic room)	dB<A>	63			63.5			64			
Liquid	ø19.05 (ø3/4) Braze			ø19.05 (ø3/4) Braze			ø19.05 (ø3/4) Braze						
refrigerant gas	ø34.93 (ø1-3/8) Braze			ø34.93 (ø1-3/8) Braze			ø34.93 (ø1-3/8) Braze						
Outdoor unit 1 and Outdoor unit 2	PUHY-P350YHMA(-BS)			PUHY-P350YHMA(-BS)	PUHY-P350YHMA(-BS)	PUHY-P400YHMA(-BS)	PUHY-P350YHMA(-BS)	PUHY-P450YHMA(-BS)					
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	≠3	mm	1,710 X 1,220 X 760	1,710 X 1,220 X 760	1,710 X 1,220 X 760	1,710 X 1,220 X 760	1,710 X 1,220 X 760	1,710 X 1,220 X 760	1,710 X 1,220 X 760				
		in.	67.38 X 48-1/16 X 29-15/16	67.38 X 48-1/16 X 29-15/16	67.38 X 48-1/16 X 29-15/16	67.38 X 48-1/16 X 29-15/16	67.38 X 48-1/16 X 29-15/16	67.38 X 48-1/16 X 29-15/16					
		Net weight	kg(lbs)	245 (541)	245 (541)	245 (541)	245 (541)	245 (541)	245 (541)				
		Heat exchanger	Salt-resistant cross fin & copper tube										
Compressor	Type	Inverter scroll hermetic compressor											
	Starting method	Inverter											
	Motor output	kW	10.3	10.3	10.3	10.5	10.3	12.0					
	FAN	Air flow rate	m³/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	Propeller fan X 1	Propeller fan X 1						
Motor output	kW	0.46 X 1	0.46 X 1	0.46 X 1	0.46 X 1	0.46 X 1	0.46 X 1						
Protection	High pressure protection	High pressure sensor, High pressure switch 4.15 MPa (601 psi)											
		Over-heat protection, Over-current protection											
	Inverter circuit (COMP./FAN)												
	Compressor	Over-heat protection											
Refrigerant	Type X Original charge	R410A X 11.5kg (26 lbs)	R410A X 11.5kg (26 lbs)	R410A X 11.5kg (26 lbs)	R410A X 11.5kg (26 lbs)	R410A X 11.5kg (26 lbs)	R410A X 11.5kg (26 lbs)						
		Liquid	mm(in.)	ø12.7 (ø1/2) Braze	ø12.7 (ø1/2) Braze	ø15.88 (ø5/8) Braze	ø12.7 (ø1/2) Braze	ø15.88 (ø5/8) Braze					
		Gas	mm(in.)	ø28.58 (ø1-1/8) Braze	ø28.58 (ø1-1/8) Braze	ø28.58 (ø1-1/8) Braze	ø28.58 (ø1-1/8) Braze	ø28.58 (ø1-1/8) Braze					
		Optional parts	Outdoor Twinning Kit : CMY-Y200VBK2 joint : CMY-Y102S / L-G2, CMY-Y202 / 302-G2 Header : CMY-Y104 / 108 / 1010-G										

Note:

≠1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

≠2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

≠3 Height without legs 1650mm (65 in.)

≠4 -5°C (23°F) DB/-6°C (21°F) WB -21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor Unit

OUTDOOR UNIT

Y Series

PUHY-P YSHM-A(-BS)

► Specifications



Set name		PUHY-P850YSHM-A(-BS)		PUHY-P900YSHM-A(-BS)	
Power source		3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	#1 kW	96.0		101.0	
	#1 BTU/h	327,600		344,600	
	Power input kW	30.18		33.33	
	Current input A	50.9-48.4-46.6		56.2-53.4-51.5	
COP (kW/kW)		3.18		3.03	
Temp. #3 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	108.0		113.0	
	#2 BTU/h	368,500		385,600	
	Power input kW	28.42		30.29	
	Current input A	47.9-45.5-43.9		51.1-48.5-46.8	
COP (kW/kW)		3.80		3.73	
Temp. #3 range of heating	Indoor temp. D.B.	15~27°C (59~81°F)			
	Outdoor temp. W.B.	-20~15.5°C (-4~60°F)			
Indoor unit connectable		Total capacity		50~130% of outdoor unit capacity	
Sound pressure level (measured in anechoic room)		Model/Quantity		P15~P250 / 1~50	
Diameter of liquid		P15~P250 / 1~50		P15~P250 / 1~50	
Diameter of gas		P15~P250 / 1~50		P15~P250 / 1~50	
Outdoor unit 1 and Outdoor unit 2		PUHY-P400YHM-A(-BS)		PUHY-P450YHM-A(-BS)	
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		1,710 (without legs 1,650) X 1,220 X 760	
Net weight		kg(lbs)		245 (541)	
Heat exchanger		Salt-resistant cross fin & copper tube			
Compressor		Inverter scroll hermetic compressor			
FAN	Type	Inverter			
	Starting method	Inverter			
	Motor output kW	10.5		12.0	
	Air flow rate m³/min	225		225	
Protection	Type X Quantity	Propeller fan X 1		Propeller fan X 1	
	Motor output kW	0.46 X 1		0.46 X 1	
	High pressure protection	High pressure sensor, High pressure switch 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection			
Refrigerant		Type X Original charge		R410A X 11.5kg (26 lbs)	
Pipe between unit distributor		Liquid mm(in.)		ø15.88 (ø5/8) Braided	
Optional parts		Gas mm(in.)		ø28.58 (ø1-1/8) Braided	

OUTDOOR UNIT

Y Series

PUHY-P YSHM-A(-BS)

► Specifications



Set name		PUHY-P950YSHM-A(-BS)		PUHY-P1000YSHM-A(-BS)		PUHY-P1050YSHM-A(-BS)	
Power source		3-phase 4-wire 380-400-415V 50/60Hz					
Cooling capacity (Nominal)	#1 kW	108.0		113.0		118.0	
	#1 BTU/h	368,500		385,600		402,600	
	Power input kW	30.69		32.47		33.90	
	Current input A	51.7-49.2-47.4		54.8-52.0-50.1		57.2-54.3-52.4	
COP (kW/kW)		3.52		3.48		3.48	
Temp. #4 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	119.5		127.0		132.0	
	#2 BTU/h	407,700		433,300		450,400	
	Power input kW	30.02		33.15		35.01	
	Current input A	50.6-48.1-46.4		55.9-53.1-51.2		59.1-56.1-54.1	
COP (kW/kW)		3.98		3.83		3.77	
Temp. #4 range of heating	Indoor temp. D.B.	15~27°C (59~81°F)					
	Outdoor temp. W.B.	-20~15.5°C (-4~60°F)					
Indoor unit connectable		Total capacity		50~130% of outdoor unit capacity			
Sound pressure level (measured in anechoic room)		Model/Quantity		P15~P250 / 1~50		P15~P250 / 2~50	
Diameter of liquid		P15~P250 / 1~50		P15~P250 / 1~50		P15~P250 / 2~50	
Diameter of gas		P15~P250 / 1~50		P15~P250 / 1~50		P15~P250 / 2~50	
Outdoor unit 1, Outdoor unit 2, and Outdoor unit 3		PUHY-P250YHM-A(-BS)		PUHY-P300YHM-A(-BS)		PUHY-P350YHM-A(-BS)	
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		1,710 X 920 X 760		1,710 X 920 X 760	
		in.		67-3/8 X 36-1/4		67-3/8 X 36-1/4	
		kg(lbs)		215 (474)		215 (474)	
		cm		6,532 (ø12.7) Braided		6,532 (ø12.7) Braided	
Heat exchanger		Salt-resistant cross fin & copper tube					
Compressor		Inverter scroll hermetic compressor					
FAN	Type	Inverter					
	Starting method	Inverter					
	Motor output kW	6.7		8.2		10.5	
	Air flow rate m³/min	185		185		225	
Protection	Type X Quantity	Propeller fan X 1		Propeller fan X 1		Propeller fan X 1	
	Motor output kW	0.46 X 1		0.46 X 1		0.46 X 1	
	High pressure protection	High pressure sensor, High pressure switch 4.15 MPa (601 psi)					
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection					
Refrigerant		Type X Original charge		R410A X 9.0kg (20 lbs)		R410A X 11.5kg (26 lbs)	
Pipe between unit distributor		Liquid mm(in.)		ø12.7 (ø1/2) Braided		ø15.88 (ø5/8) Braided	
Optional parts		Gas mm(in.)		ø22.2 (ø7/8) Braided		ø28.58 (ø1-1/8) Braided	

Note:

#1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#3 Height without legs 1650mm (55 in.)

#4 5°C (23°F) DB/6°C (21°F) WB-21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Note:

#1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#3 5°C (23°F) DB/6°C (21°F) WB-21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor unit

Outdoor Unit

OUTDOOR UNIT

Y Series

PUHY-P YSHM-A(-BS)



► Specifications

Set name		PUHY-P1100YSHM-A(-BS)				PUHY-P1150YSHM-A(-BS)							
Power source		3-phase 4-wire 380-400-415V 50/60Hz											
Cooling capacity (Nominal)	#1	kW				124.0				130.0			
	#1	BTU/h				423,100				443,600			
	Power input	kW				35.83				39.39			
	Current input	A				60.4-57.4-55.3				66.4-63.1-60.8			
COP (kW/kW)		3.46								3.30			
Temp. #4 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				140.0				145.0			
	#2	BTU/h				477,700				494,700			
	Power input	kW				36.93				39.08			
	Current input	A				62.3-59.2-57.0				65.9-62.6-60.4			
COP (kW/kW)		3.79								3.71			
Temp. #4 range of heating	Indoor temp.	D.B.				15-27°C (59-81°F)							
	Outdoor temp.	W.B.				-20-15.5°C (-4-60°F)							
Indoor unit connectable		Total capacity				50-130% of outdoor unit capacity							
Model/Quantity		P15-P250 / 2-50								P15-P250 / 2-50			
Sound pressure level (measured in anechoic room)		dB(A)-				65				65.5			
Diameter of refrigerant pipe		Liquid				mm(in.)				mm(in.)			
						ø19.05 (ø3/4) Braze				ø19.05 (ø3/4) Braze			
						ø41.28 (ø1-5/8) Braze				ø41.28 (ø1-5/8) Braze			
Outdoor unit 1, Outdoor unit 2, and Outdoor unit 3		PUHY-P350YHM-A(-BS)		PUHY-P350YHM-A(-BS)		PUHY-P400YHM-A(-BS)		PUHY-P350YHM-A(-BS)		PUHY-P350YHM-A(-BS)		PUHY-P450YHM-A(-BS)	
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		1,710 X 1,220 X 760		1,710 X 1,220 X 760		1,710 X 1,220 X 760		1,710 X 1,220 X 760		1,710 X 1,220 X 760	
		in.		67.38 X 48-1/16 X 29-15/16		67.38 X 48-1/16 X 29-15/16		67.38 X 48-1/16 X 29-15/16		67.38 X 48-1/16 X 29-15/16		67.38 X 48-1/16 X 29-15/16	
Net weight		kg (lbs)		245(541)		245(541)		245(541)		245(541)		245(541)	
Heat exchanger		Salt-resistant cross fin & copper tube											
Type		Inverter scroll hermetic compressor											
Compressor		Inverter											
FAN	Motor output	kW		10.3		10.3		10.5		10.3		10.3	
	Air flow rate	m³/min		225		225		225		225		225	
	L/min	3,750		3,750		3,750		3,750		3,750		3,750	
	Qty	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		Propeller fan X 1		Propeller fan X 1	
High pressure protection		0.46 X 1		0.46 X 1		0.46 X 1		0.46 X 1		0.46 X 1		0.46 X 1	
Protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)											
Compressor		Over-heat protection, Over-current protection											
Compressor		Over-heat protection											
Refrigerant		Type X Original charge		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)	
Pipe between unit distributor		Liquid		mm(in.)		ø12.7 (ø1/2) Braze		ø15.88 (ø5/8) Braze		ø12.7 (ø1/2) Braze		ø15.88 (ø5/8) Braze	
		Gas		mm(in.)		ø28.58 (ø1-1/8) Braze		ø28.58 (ø1-1/8) Braze		ø28.58 (ø1-1/8) Braze		ø28.58 (ø1-1/8) Braze	
Optional parts		Outdoor Twinning Kit : CMY-Y300VK2 joint : CMY-Y102S / L-G2, CMY-Y202 / G2- G2 Header : CMY-Y104 / 108 / 1010-G											

OUTDOOR UNIT

Y Series

PUHY-P YSHM-A(-BS)



► Specifications

Set name		PUHY-P1200YSHM-A(-BS)				PUHY-P1250YSHM-A(-BS)									
Power source		3-phase 4-wire 380-400-415V 50/60Hz													
Cooling capacity (Nominal)	#1	kW				136.0									
	#1	BTU/h				464,000									
	Power input	kW				41.71									
	Current input	A				70.4-66.8-64.4									
	COP (kW/kW)					3.26									
Temp. #4 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				150.0									
	#2	BTU/h				511,800									
	Power input	kW				40.10									
	Current input	A				67.6-64.3-61.9									
	COP (kW/kW)					3.74									
Temp. #4 range of heating	Indoor temp.	D.B.				15-27°C (59-81°F)									
	Outdoor temp.	W.B.				-20-15.5°C (-4-60°F)									
Indoor unit connectable		Total capacity													
Sound pressure level (measured in anechoic room)		P15-P250 / 2-50													
Diameter of refrigerant pipe		66													
Outdoor unit 1, Outdoor unit 2, and Outdoor unit 3		PUHY-P350YHM-A(-BS) PUHY-P400YHM-A(-BS) PUHY-P450YHM-A(-BS) PUHY-P350YHM-A(-BS) PUHY-P400YHM-A(-BS) PUHY-P450YHM-A(-BS)													
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													
Net weight		kg (lbs)													
Heat exchanger		Salt-resistant cross fin & copper tube													
Compressor	Type	Inverter scroll hermetic compressor													
	Starting method	Inverter													
	Motor output	kW		10.3		10.5		12.0		10.3		12.0		12.0	
	Air flow rate	m³/min		225		225		225		225		225		225	
	L/s	3.750		3.750		3.750		3.750		3.750		3.750		3.750	
FAN	cfm	7,945		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		Propeller fan X 1		Propeller fan X 1		Propeller fan X 1	
	Motor output	kW		0.46 X 1		0.46 X 1		0.46 X 1		0.46 X 1		0.46 X 1		0.46 X 1	
	Protection	High pressure protection		Inverter scroll (COMP./FAN)		High pressure sensor, High pressure switch 4.15 MPa (601 psi)		Over-heat protection, Over-current protection		Over-heat protection		Over-heat protection		Over-heat protection	
Refrigerant	Type X Original charge	R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)		R410A X 11.5kg (26 lbs)	
	Pipe between unit distributor	Liquid		mm(in.)		ø12.7 (ø1/2) Brazed		ø15.88 (ø5/8) Brazed		ø12.7 (ø1/2) Brazed		ø15.88 (ø5/8) Brazed		ø12.7 (ø1/2) Brazed	
Optional parts	Gas	mm(in.)		ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed	
	Outdoor Twinning Kit : CMY-Y300VBK2 joint : CMY-Y102S / L-G2, CMY-Y202 / G2-G2 Header : CMY-Y104 / 108 / 1010-G														

Note:

#1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#3 Height without legs 1650mm
(65 in.)

#4 -5°C (23°F) DB/-6°C (21°F) WB-21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor unit

Note:

#1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

#2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
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#4 -5°C (23°F) DB/-6°C (21°F) WB-21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor Unit