

1. SPECIFICATIONS

Y-Series

PUHY-M-YNW-A1, EM-YNW-A1

Model		PUHY-M200YNW-A1 (-BS)		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	22.4	
		kcal/h	20,000	
		BTU/h	76,400	
	Power input	kW	4.72	
	Current input	A	7.9-7.5-7.2	
	EER	kW/kW	4.74	
	SEER	kW/kW	-	
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)	
Heating capacity (Max)	*2	kW	25.0	
		kcal/h	21,500	
		BTU/h	85,300	
	Power input	kW	5.08	
	Current input	A	8.5-8.1-7.8	
	COP	kW/kW	4.92	
	(Nominal)	*3	kW	22.4
			kcal/h	19,400
			BTU/h	76,400
		Power input	kW	4.33
Current input	A	7.3-6.9-6.6		
COP	kW/kW	5.17		
SCOP	kW/kW	-		
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		
	*8 Model/Quantity	M20~M140/1~13		
Sound pressure level (measured in anechoic room) *4, 5	dB <A>	58.0/59.0		
Sound power level (measured in anechoic room) *4	dB <A>	75.0/78.0		
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	
FAN	Type x Quantity		Propeller fan x 1	
	Air flow rate	m ³ /min	170	
		L/s	2,833	
		cfm	6,003	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	
Motor output	kW	0.92 x 1		
*6 External static press.	0 Pa (0 mmH ₂ O)			
Compressor	Type	Inverter scroll hermetic compressor		
	Starting method	Inverter		
	Motor output	kW	3.5	
	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 920 x 740		
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16		
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		
	Compressor	-		
	Fan motor	-		
Refrigerant	Type x original charge	R32 x 6.5 kg (15 lbs)		
	Control	LEV and HIC circuit		
Net weight	kg (lbs)	222 (490)		
Heat exchanger	Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)	Copper pipe, tube-in-tube structure			
Defrosting method	Auto-defrost mode (Reversed refrigerant cycle, Hot gas)			
Drawing	External	WKL94T604		
	Wiring	WKE94G770		
Standard attachment	Document	Installation Manual		
	Accessory	-		
Optional parts	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G			
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 (subject to JIS B8615-2) 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.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	BTU/h =kW x 3,412
2. Nominal heating conditions (subject to JIS B8615-2) 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.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	cfm =m ³ /min x 35.31
3. Nominal heating conditions (subject to JIS B8615-2) 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.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	lbs =kg/0.4536
4. Cooling mode/Heating mode	
5. The sound pressure level measured by the conventional method in JIS for reference purpose.	
6. 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.	
7. R32 is flammable, and certain restrictions apply to the installation of units. When installing new units, moving the existing units, or changing the layout of the room, ensure that installation restrictions are observed. For detail, refer to the section in the Databook on installation restrictions.	
8. When connecting the indoor units of M20 or M25, the maximum connectable number of indoor units is 8.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Y-Series

PUHY-M-YNW-A1, EM-YNW-A1

Model		PUHY-M250YNW-A1 (-BS)			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1	kW	28.0		
		kcal/h	25,000		
		BTU/h	95,500		
	Power input		kW	6.96	
	Current input		A	11.7-11.1-10.7	
	EER		kW/kW	4.02	
	SEER		kW/kW	-	
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)		
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)		
Heating capacity (Max)	*2	kW	31.5		
		kcal/h	27,100		
		BTU/h	107,500		
	Power input		kW	7.14	
	Current input		A	12.0-11.4-11.0	
	COP		kW/kW	4.41	
	(Nominal)	*3	kW	28.0	
			kcal/h	25,000	
			BTU/h	95,500	
		Power input		kW	5.95
		Current input		A	10.0-9.5-9.1
		COP		kW/kW	4.70
		SCOP		kW/kW	-
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)		
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)		
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			
*8 Model/Quantity		M20-M140/1~16			
Sound pressure level (measured in anechoic room) *4, 5		dB <A>			
		60.0/61.0			
Sound power level (measured in anechoic room) *4		dB <A>			
		78.0/80.0			
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Brazed		
	Gas pipe	mm (in.)	22.2 (7/8) Brazed		
FAN	Type x Quantity		Propeller fan x 1		
	Air flow rate	m ³ /min	185		
		L/s	3,083		
		cfm	6,532		
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		
	*6 Motor output		kW	0.92 x 1	
External static press.		0 Pa (0 mmH ₂ O)			
Compressor	Type		Inverter scroll hermetic compressor		
	Starting method		Inverter		
	Motor output		kW	5.3	
	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 920 x 740		
		in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16		
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		
	Compressor		-		
	Fan motor		-		
Refrigerant	Type x original charge		R32 x 6.5 kg (15 lbs)		
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	222 (490)		
Heat exchanger		Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, tube-in-tube structure			
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle, Hot gas)			
Drawing	External		WKL94T604		
	Wiring		WKE94G770		
Standard attachment	Document		Installation Manual		
	Accessory		-		
Optional parts		Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G			
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 (subject to JIS B8615-2) 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.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	BTU/h = kW x 3,412
2. Nominal heating conditions (subject to JIS B8615-2) 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.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	cfm = m ³ /min x 35.31
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4. Cooling mode/Heating mode	
5. The sound pressure level measured by the conventional method in JIS for reference purpose.	
6. 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.	
7. R32 is flammable, and certain restrictions apply to the installation of units. When installing new units, moving the existing units, or changing the layout of the room, ensure that installation restrictions are observed. For detail, refer to the section in the Databook on installation restrictions.	
8. When connecting the indoor units of M20 or M25, the maximum connectable number of indoor units is 10.	
	*Above specification data is subject to rounding variation.