

April 8, 2020 | PH-007-2004

To: The Customers


Subject: M-Thermal A Series Mono(18~30kW) Product News

We are pleased to announce M-Thermal A Series Mono(18~30kW) will be available on April 30, 2020.

1. Lineup

Model	Power Supply
MHC-V18W/D2RN8	380~415V, 3Ph, 50Hz
MHC-V22W/D2RN8	
MHC-V26W/D2RN8	
MHC-V30W/D2RN8	

2. Appearance

Model	Appearance
MHC-V18W/D2RN8	
MHC-V22W/D2RN8	
MHC-V26W/D2RN8	
MHC-V30W/D2RN8	

3. Specification

Model name MHC-V			18W/D2RN8	22W/D2RN8	26W/D2RN8	30W/D2RN8
Power supply		V/Ph/Hz	380-415/3/50			
Heating ¹	Capacity	W	18000	22000	26000	30100
	Rated input	W	3830	5000	6373	8027
	COP			4.70	4.40	4.08
Heating ²	Capacity	W	18000	22000	26000	30000
	Rated input	W	5143	6471	8387	10345
	COP			3.50	3.40	3.10
Heating ³	Capacity	W	18000	22000	26000	30000
	Rated input	W	6545	8302	10612	13043
	COP			2.75	2.65	2.45
Cooling ⁴	Capacity	W	17000	21000	26000	30000
	Rated input	W	5574	7119	9630	12766
	EER			3.05	2.95	2.70
Cooling ⁵	Capacity	W	18500	23000	27000	31000
	Rated input	W	3895	5000	6279	7750
	EER			4.75	4.60	4.30
Seasonal space heating energy efficiency class ⁶	Water outlet at 35°C / 55°C	class	A+++ / A++	A+++ / A++	A+++ / A+	A++ / A+
Refrigerant	Type		R32			
	Charged volume	kg	5.0			
Sound power level	Heating	dB	71	73	75	77
Unit dimension (W×H×D)		mm	1129×1558×528			
Packing dimension (W×H×D)		mm	1220×1725×565			
Net/Gross weight		kg	177/206			
Water piping connections Dia.		inch	1-1/4" BSP	1-1/4" BSP	1-1/4" BSP	1-1/4" BSP
Ambient temperature range	Cooling	°C	-5-46			
	Heating	°C	-25-35			
	DHW	°C	-25-43			
Water outlet temperature range	Cooling	°C	5-25			
	Heating	°C	25-60			
	DHW	°C	40-60			

- Notes: 1. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.
 2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 40°C, LWT 45°C.
 3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.
 4. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.
 5. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.
 6. Seasonal space heating energy efficiency class tests in average climate conditions.
 7. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.

4. Main Feature

- Wide application range:
Big capacity range from 18~30kW
- R32 environmental refrigerant:
Lower GWP and carbon emission with better performance
- Stable supply of high temperature water in cold weather:
Operation down to -25 °C
Maximum 60oC water temperature
- USB function:
Convenient for program upgrade and parameter setting
- Double zones control more flexibility:
Maximum 8 zones control (customized)
- Wifi controller and APP control
Smart Grid function for low operation cost
- Climate curve function
Weather dependent operation with climate correlation to ensure absolute comfort
- Energy consumption statistics and energy management (available on May 31,2020)
- Parallel control (available on May 31,2020)
Maximum 6 units controlled by one controller

5. Technical data book

Engineering Data Book will be available on April 30, 2020.

Service manual will be available on May 14, 2020.

Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

If you have any questions, please do let us know. Thank you !