

## 1 Specifications

Table 2-1.1: MHC-V18(22, 26,30)W/D2RN8 specifications<sup>1</sup>

Model name MHC-V			18W/D2RN8	22W/D2RN8	26W/D2RN8	30W/D2RN8	
Power supply		V/Ph/Hz	380-415/3/50				
Heating <sup>2</sup>	Capacity	W	18000	22000	26000	30100	
	Rated input	W	3830	5000	6373	7698	
	COP			4.70	4.40	4.08	3.91
Heating <sup>3</sup>	Capacity	W	18000	22000	26000	30000	
	Rated input	W	5143	6471	8387	10345	
	COP			3.50	3.40	3.10	2.90
Heating <sup>4</sup>	Capacity	W	18000	22000	26000	30000	
	Rated input	W	6545	8302	10612	13043	
	COP			2.75	2.65	2.45	2.30
Cooling <sup>5</sup>	Capacity	W	18500	23000	27000	31000	
	Rated input	W	3895	5000	6279	7750	
	EER			4.75	4.60	4.30	4.00
Cooling <sup>6</sup>	Capacity	W	17000	21000	26000	29500	
	Rated input	W	5574	7119	9630	11569	
	EER			3.05	2.95	2.70	2.55
Seasonal space heating energy efficiency class <sup>7</sup>		Water outlet at 35°C / 55°C	class	A+++ / A++	A+++ / A++	A+++ / A+	A++ / A+
SCOP		Water outlet at 35°C / 55°C		4.60 / 3.21	4.53 / 3.22	4.50 / 3.14	4.19 / 3.14
SEER		Water outlet at 7°C / 18°C		4.70 / 5.48	4.70 / 5.67	4.66 / 5.88	4.49 / 5.71
MOP / MCA		A	18.0 / 21.0	21.0 / 24.5	24.0 / 27.0	28.0 / 28.5	
Compressor		Type	Twin rotary DC inverter				
Outdoor fan motor		Type	Brushless DC motor				
Water side heat exchanger		Plate type					
Water pump	Max. pump head	m	12	12	12	12	
Refrigerant (R32)	Charged volume	kg	5.0				
Throttle type		Electronic expansion valve					
Sound power level <sup>8</sup>		dB	71	73	75	77	
Unit dimension / Packing dimension (W×H×D)		mm	1129×1558×440 / 1220×1735×565				
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. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.

2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.

3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 40°C, LWT 45°C.

4. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.

5. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.

6. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.

7. Seasonal space heating energy efficiency class tests in average climate conditions.

8. Test standard: EN12102-1