

1 Specifications

Model name MHC-V			18W/D2RN8	22W/D2RN8	26W/D2RN8	30W/D2RN8
Power supply		V/Ph/Hz	380-415/3/50			
Heating(A7W35)	Capacity	W	18000	22000	26000	30100
	Rated input	W	3830	5000	6373	7698
	COP		4.70	4.40	4.08	3.91
Heating(A7W45)	Capacity	W	18000	22000	26000	30000
	Rated input	W	5143	6471	8387	10345
	COP		3.50	3.40	3.10	2.90
Heating(A7W55)	Capacity	W	18000	22000	26000	30000
	Rated input	W	6545	8302	10612	13043
	COP		2.75	2.65	2.45	2.30
Heating(A-7W35)	Capacity	W	18000	21000	22000	23000
	Rated input	W	6667	8077	8800	9388
	COP		2.70	2.60	2.50	2.45
Cooling(A35W18)	Capacity	W	18500	23000	27000	31000
	Rated input	W	3895	5000	6279	7750
	EER		4.75	4.60	4.30	4.00
Cooling(A35W7)	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	Water outlet at 35°C / 55°C	class	A+++ / A++	A+++ / A++	A+++ / A+	A++ / A+
SCOP	Warmer climate	35°C	5.73	5.93	5.85	5.40
		55°C	4.00	4.10	4.28	4.15
	Average climate	35°C	4.60	4.53	4.50	4.20
		55°C	3.20	3.23	3.15	3.15
	Colder climate	35°C	3.73	3.73	3.65	3.53
		55°C	2.50	2.63	2.60	2.58
SEER	Water outlet at 7°C / 18°C		4.70 / 5.48	4.70 / 5.67	4.66 / 5.88	4.49 / 5.71
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 ²		dB	71	73	75	77
Rated water flow		m ³ /h	3.10	3.78	4.47	5.18
Internal water volume		L	3.5	3.5	3.5	3.5
Unit dimension / Packing dimension (W×H×D)		mm	1129×1558×528 / 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 setting temperature range	Cooling	°C	5-25
	Heating	°C	25-60
	DHW ³	°C	30-60

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. Test standard: EN12102-1
3. Maximum domestic hot water temperature 60°C is only available with TBH support.

2 Electrical characteristics

System	Outdoor unit				Power current			Compressor		Fan	
	Voltage (V)	Hz	Min. (V)	Max. (V)	MCA (A)	TOCA (A)	MFA (A)	MSC (A)	RLA (A)	kW	FLA (A)
MHC-18W/D2RN8	380~415	50	342	456	21	28	25	-	12	0.34	3
MHC-22W/D2RN8	380~415	50	342	456	24.5	28	25	-	14	0.34	3
MHC-26W/D2RN8	380~415	50	342	456	27	28	32	-	18	0.34	3
MHC-30W/D2RN8	380~415	50	342	456	28.5	28	32	-	21	0.34	3

Note:

MCA: Min. Circuit Amps. (A)

TOCA: Total Over-current Amps. (A)

MFA: Max. Fuse Amps. (A)

MSC: Max. Starting Amps. (A)

RLA: Rated Load Amps. (A)

The input Amps of compressor where MAX. Hz can operate for nominal cooling or heating test condition

kW: Rated Motor Output

FLA: Full Load Amps. (A)

3 Dimensions and Center of Gravity

Figure 2-2.1: MHC-V18(22, 26,30)W/D2RN8 dimensions and center of gravity (unit: mm)

