

1 Specifications

Outdoor unit model name			MHC-V4W/D2N8-B	MHC-V6W/D2N8-B	MHC-V8W/D2N8-B	MHC-V10W/D2N8-B
Power supply	V/Ph/Hz		220-240/1/50			
Heating A7W35	Capacity	kW	4.20	6.35	8.40	10.0
	Rated input	kW	0.82	1.28	1.63	2.02
	COP		5.10	4.95	5.15	4.95
Heating A7W45	Capacity	kW	4.30	6.30	8.10	10.0
	Rated input	kW	1.13	1.70	2.10	2.67
	COP		3.80	3.70	3.85	3.75
Heating A7W55	Capacity	kW	4.40	6.00	7.50	9.50
	Rated input	kW	1.49	2.03	2.36	3.06
	COP		2.95	2.95	3.18	3.10
Heating A-7W35	Capacity	kW	4.70	6.00	7.00	8.00
	Rated input	kW	1.52	2.00	2.19	2.62
	COP		3.10	3.00	3.20	3.05
Heating A-7W55	Capacity	kW	4.00	5.15	6.15	6.85
	Rated input	kW	2.05	2.58	3.00	3.43
	COP		1.95	2.00	2.05	2.00
Cooling A35W18	Capacity	kW	4.50	6.50	8.30	9.90
	Rated input	kW	0.82	1.35	1.64	2.18
	EER		5.50	4.80	5.05	4.55
Cooling A35W7	Capacity	kW	4.70	7.00	7.45	8.20
	Rated input	kW	1.36	2.33	2.22	2.52
	EER		3.45	3.00	3.35	3.25
Seasonal space heating energy efficiency class	Water outlet at 35°C		A+++			
	Water outlet at 55°C		A++			
SCOP	Warmer climate	35°C	6.46	6.57	6.99	7.09
		55°C	4.15	4.21	4.51	4.62
	Average climate	35°C	4.85	4.95	5.22	5.20
		55°C	3.31	3.52	3.37	3.47
	Colder climate	35°C	4.06	4.21	4.33	4.32
		55°C	2.63	2.85	2.88	2.99
Sound power Level ²	dB	55	58	59	60	
Rated water flow	m ³ /h	0.72	1.09	1.44	1.72	
Water flow range	m ³ /h	0.4~0.9	0.4~1.25	0.4~1.65	0.4~2.1	
Internal water volume	L	3.2	3.2	3.2	3.2	
Compressor	Type	Twin rotary				
Outdoor fan	Motor type / Number of fans	DC fan / 1		DC fan / 1		
Air side heat exchanger		Finned tube				
Refrigerant		R32 1.4kg				
Unit dimension (W×H×D)		mm	1295×792×429		1385×945×526	
Packing dimension (W×H×D)		mm	1375×945×475		1465×1120×560	
Net/Gross weight		kg	98/121		121/148	
Outdoor air temperature range	Cooling	°C	-5 ~ 43			
	Heating	°C	-25 ~ 35			

	DHW	°C	-25 ~ 43			
Water side heat exchanger			Plate type			
Water side connection			R1 "	R1 "	R5/4"	R5/4"
Water setting temperature range	Cooling	°C	5 ~ 25			
	Heating	°C	25 ~ 65			
	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. Sound power test condition: EN12102-1
3. Maximum domestic hot water temperature 60°C is only available with TBH support.

M thermal Arctic Mono



Outdoor unit model name		MHC-V12W/D2N8-B	MHC-V14W/D2N8-B	MHC-V16W/D2N8-B	
Power supply		V/Ph/Hz	220-240/1/50		
Heating A7W35	Capacity	kW	12.1	14.5	15.9
	Rated input	kW	2.44	3.15	3.53
	COP		4.95	4.60	4.50
Heating A7W45	Capacity	kW	12.3	14.1	16.0
	Rated input	kW	3.32	3.92	4.57
	COP		3.70	3.60	3.50
Heating A7W55	Capacity	kW	11.9	13.8	16.0
	Rated input	kW	3.90	4.68	5.61
	COP		3.05	2.95	2.85
Heating A-7W35	Capacity	kW	10.00	12.00	13.10
	Rated input	kW	3.33	4.21	4.85
	COP		3.00	2.85	2.70
Heating A-7W55	Capacity	kW	9.80	11.00	12.50
	Rated input	kW	4.78	5.37	6.25
	COP		2.05	2.05	2.00
Cooling A35W18	Capacity	kW	12.00	13.50	14.90
	Rated input	kW	3.04	3.75	4.38
	EER		3.95	3.60	3.40
Cooling A35W7	Capacity	kW	11.5	12.4	14.0
	Rated input	kW	4.18	4.96	5.60
	EER		2.75	2.50	2.50
Seasonal space heating energy efficiency class	Water outlet at 35°C		A+++		
	Water outlet at 55°C		A++		
SCOP	Warmer climate	35°C	6.48	6.58	6.29
		55°C	4.43	4.49	4.48
	Average climate	35°C	4.81	4.72	4.62
		55°C	3.45	3.47	3.41
	Colder climate	35°C	4.08	4.07	4.02
		55°C	3.02	3.05	3.12
Sound power Level ²		dB	65	65	68
Rated water flow		m ³ /h	2.08	2.49	2.73
Water flow range		m ³ /h	0.7~2.5	0.7~2.75	0.7~3.0
Internal water volume		L	2	2	2
Compressor	Type		Twin rotary		
Outdoor fan	Motor type		DC fan		
	Number of fans		1		
Air side heat exchanger		Finned tube			
Refrigerant		R32 1.75kg			
Unit dimension (W×H×D)		mm	1385×945×526		
Packing dimension (W×H×D)		mm	1465×1120×560		
Net/Gross weight		kg	144/170		
Outdoor air temperature range	Cooling	°C	-5 ~ 43		
	Heating	°C	-25 ~ 35		
	DHW	°C	-25 ~ 43		

Water side heat exchanger			Plate type
Water side connection			R5/4"
Water setting temperature range	Cooling	°C	5 ~ 25
	Heating	°C	25 ~ 65
	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. Sound power test condition: EN12102-1
3. Maximum domestic hot water temperature 60°C is only available with TBH support.