

Outdoor unit model name MHA-			V4W/D2N8-B	V6W/D2N8-B	V8W/D2N8-B	V10W/D2N8-B	V12W/D2N8-B	V14W/D2N8-B	V16W/D2N8-B	V12W/D2RN8-B	V14W/D2RN8-B	V16W/D2RN8-B
Indoor unit model name			HB-A60/CGN8-B		HB-A100/CGN8-B		HB-A160/CGN8-B					
Heating ¹	Capacity	kW	4.25	6.20	8.30	10.00	12.10	14.50	16.00	12.10	14.50	16.00
	Rated input	kW	0.82	1.24	1.60	2.00	2.44	3.09	3.56	2.44	3.09	3.56
	COP		5.20	5.00	5.20	5.00	4.95	4.70	4.50	4.95	4.70	4.50
Heating ²	Capacity	kW	4.35	6.35	8.20	10.00	12.30	14.20	16.00	12.30	14.20	16.00
	Rated input	kW	1.14	1.69	2.08	2.63	3.24	3.89	4.44	3.24	3.89	4.44
	COP		3.80	3.75	3.95	3.80	3.80	3.65	3.60	3.80	3.65	3.60
Heating ³	Capacity	kW	4.40	6.00	7.50	9.50	12.00	13.80	16.00	12.00	13.80	16.00
	Rated input	kW	1.49	2.00	2.36	3.06	3.87	4.60	5.52	3.87	4.60	5.52
	COP		2.95	3.00	3.18	3.10	3.10	3.00	2.90	3.10	3.00	2.90
Cooling ⁴	Capacity	kW	4.50	6.55	8.40	10.00	12.00	13.50	14.90	12.00	13.50	14.90
	Rated input	kW	0.81	1.34	1.66	2.08	3.00	3.75	4.38	3.00	3.75	4.38
	EER		5.55	4.90	5.05	4.80	4.00	3.60	3.40	4.00	3.60	3.40
Cooling ⁵	Capacity	kW	4.70	7.00	7.40	8.20	11.60	12.70	14.00	11.60	12.70	14.00
	Rated input	kW	1.36	2.33	2.19	2.48	4.22	4.98	5.71	4.22	4.98	5.71
	EER		3.45	3.00	3.38	3.30	2.75	2.55	2.45	2.75	2.55	2.45
Seasonal space heating energy efficiency class ⁶	Water outlet at 35°C	class	A+++									
	Water outlet at 55°C	class	A++									
OUTDOOR UNIT												
Power supply		V/Ph/Hz	220-240/1/50						380-415/3/50			
Refrigerant	Type(GWP)		R32(675)									
	Charged volume	kg	1.50		1.65		1.84					
Sound power level ⁷	dB	56	58	59	60	64	65	68	64	65	68	
Unit dimension (WxDxH)	mm	1008x426x712			1118x523x865							
Packing dimension (WxDxH)	mm	1065x485x800			1180x560x890							
Net/Gross weight	kg	58/64		77/88		96/110			112/125			
Outdoor air temperature range	Cooling	°C	-5~43									
	Heating	°C	-25~35									
	DHW	°C	-25~43									
INDOOR UNIT												
Unit dimension (WxHxD)		mm	420x790x270									
Packing dimension (WxHxD)		mm				525x1050x360						
Net/Gross weight		kg	37/43			39/45						
Water side connection		mm	R1"									
Water pump	Max. pump head	m	9									
	Standard mounted	kW	/									
Backup E-heater ⁸	Optional	kW	3/9									
	Capacity steps		1/3									
	Power supply	3kW	220-240/1/50									
		9kW	380-415/3/50									
Water outlet temperature range	Cooling	°C	5~25									
	Heating	°C	25~65									
	DHW (tank)	°C	30~60									
Sound power level ⁷	dB	38	38	42	42	43	43	43	43	43	43	43

Notes:

1. Evaporator air in 7°C, 85% R.H., Condenser water in/out 30/35°C
2. Evaporator air in 7°C, 85% R.H., Condenser water in/out 40/45°C
3. Evaporator air in 7°C, 85% R.H., Condenser water in/out 47/55°C
4. Condenser air in 35°C, Evaporator water in/out 23/18°C
5. Condenser air in 35°C, Evaporator water in/out 12/7°C
6. Seasonal space heating energy efficiency class testes in average climate general conditions.
7. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02-2014
8. Testing standard: EN12102-1
9. For three phase type backup electric heater, 3/6kW can be achieved by changing DIP switch when hydronic box is equipped with 9kW.