

Split



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 ⁸	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 ⁹	Optional	kW	3/9										
	Capacity steps		1/3										
	Power supply	3kW	V/Ph/Hz	220-240/1/50									
9kW		380-415/3/50											
Water temperature setting range	Cooling	°C	5~25										
	Heating	°C	25~65										
	DHW (tank)	°C	30~60										
Sound power level ⁸	dB	38	38	42	42	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 tested in average climate general conditions.
 7. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 813/2013; (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.