

A Series Split

Outdoor unit model 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
Hydronic box model HB-A			60/CGN8-B			100/CGN8-B			160/CGN8-B			
Heating ¹	Capacity	kW	4.25	6.20	8.30	10.0	12.1	14.5	16.0	12.1	14.5	16.0
	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
Heating ²	Capacity	kW	4.35	6.35	8.20	10.0	12.3	14.2	16.0	12.3	14.2	16.0
	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
Heating ³	Capacity	kW	4.40	6.00	7.50	9.50	12.0	13.8	16.0	12.0	13.8	16.0
	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
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
Cooling ⁵	Capacity	kW	4.70	7.00	7.40	8.20	11.6	12.7	14.0	11.6	12.7	14.0
	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
Seasonal space heating energy efficiency class ⁶	Water outlet at 35°C	class	A+++									
	Water outlet at 55°C	class	A++									

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.

A Series Split outdoor unit



Outdoor unit model 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	
Power supply		V/Ph/Hz	220-240/1/50						380-415/3/50				
Compressor	Type	Twin rotary											
Outdoor fan	Motor type	DC fan											
	Number of fans	1											
Air side heat exchanger	Type	Fin-coil											
Refrigerant	Type(GWP)	R32(675)											
	Charged volume	kg	1.50			1.65			1.84				
Throttle type		Electronic expansion valve											
Sound power Level ¹	dB	56	58	59	60	64	65	68	64	65	68		
Unit dimension (WxHxD)	mm	1008x712x426				1118x865x523							
Packing dimension (WxHxD)	mm	1065x800x485				1180x890x560							
Net/Gross weight	kg	58/64			77/88			96/110			112/125		
Pipe size O.D.	Liquid	mm	6.35						9.52				
	Gas	mm	15.88						15.88				
Connection method		Flared											
Between indoor and outdoor unit	Height difference	m	Max.20										
	Pipe length	m	2-30										
Additional refrigerant	Chargment	g/m	20			38							
	Max. pipe length for no additional refrigerant	m	15										
Outdoor air temperature range	Cooling	°C	-5~43										
	Heating	°C	-25~35										
	DHW	°C	-25~43										