

## Split type

Outdoor Split type MHA-				V4W/D2N1	V6W/D2N1	V8W/D2N1	V10W/D2N1	V12W/D2N1	V14W/D2N1	V16W/D2N1	V12W/D2RN1	V14W/D2RN1	V16W/D2RN1		
Heating <sup>1</sup>	Capacity		kW	4.10	6.10	8.00	10.00	12.10	14.00	15.50	12.10	14.00	15.50		
	Rated input		kW	0.82	1.29	1.73	2.17	2.74	3.39	3.82	2.68	3.26	3.79		
	COP			5.00	4.73	4.62	4.61	4.42	4.13	4.06	4.51	4.29	4.09		
Heating <sup>2</sup>	Capacity		kW	4.01	5.96	7.34	10.12	11.85	14.05	16.05	11.97	13.93	15.48		
	Rated input		kW	1.13	1.68	2.13	2.93	3.48	4.41	5.03	3.50	4.21	4.87		
	COP			3.55	3.55	3.45	3.45	3.41	3.19	3.19	3.42	3.31	3.18		
Cooling <sup>1</sup>	Capacity		kW	4.10	6.10	8.00	10.00	11.80	13.00	14.00	12.10	13.00	14.00		
	Rated input		kW	0.79	1.31	1.78	2.07	2.65	3.23	3.62	2.82	3.21	3.68		
	EER			5.19	4.66	4.49	4.83	4.45	4.02	3.87	4.29	4.05	3.80		
Cooling <sup>2</sup>	Capacity		kW	4.12	6.15	6.44	9.39	11.02	12.49	12.85	11.70	12.53	12.91		
	Rated input		kW	1.30	2.08	2.24	3.26	4.17	5.07	5.39	4.65	5.21	5.52		
	EER			3.17	2.96	2.88	2.88	2.64	2.46	2.38	2.52	2.40	2.34		
Seasonal space heating energy eff. Class (average climate general)			Water outlet @ 35°C		A++										
			Water outlet @ 55°C		A+										
Power supply			V/Ph/Hz	220-240/1/50							380-415/3/50				
Dimension (WxHxD)Z			mm	975x862x355		1074x964x396		900x1327x320				900x1327x320			
Packing (WxHxD)			mm	1020x915x410		1120x1015x435		1016x1377x435				1016x1377x435			
Net/gross weight			kg	56.8/64		73.8/85		109/121				109/121			
Sound pressure level <sup>3</sup>	Cooling	dB(A)		62		64		65	66	69	71	66	69	71	
	Cooling	dB(A)		62		64		65	66	69	71	66	69	71	
Compressor			Type		Twin-rotary inverter										
Outdoor fan	Type		Brushless DC motor												
	Air flow		m³/h	3180		5120		6500							
Air side heat exchanger				Fin-coil				6500							
Piping connections	Liquid	Type		Flaring											
		Dia.(OD)		mm		Φ9.5									
	Gas	Type		Flaring											
		Dia.(OD)		mm		Φ15.9									
	Piping length	Min.		m		2									
		Max.		m		20		30		50			50		
	Installation height difference	outdoor unit upside		m		10		20		30			30		
		outdoor unit downside		m		8		15		25			25		
Refrigerant	Type		R410A												
	Charged volume		kg	2.5		2.8		3.9				4.2			
Throttle type				Electric expansion valve											
Ambient temperature range	Cooling		°C	-5~46											
	Heating		°C	-20~35											
	Sanitary hot water		°C	-20~43											

Nominal capacity is based on the following conditions:

1. Evaporator air in 7°C °C85% R.H., Condenser water in/out 30/35°C
2. Evaporator air in 7°C °C85% R.H., Condenser water in/out 40/45°C
3. Condenser air in 35°C. Evaporator water in/out 23/18°C
4. Condenser air in 35°C. Evaporator water in/out 12/7°C
5. At 1m in open field fan side (sound pressure)
6. The above data test reference standard EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014