

Product parameter table

Huadu Guangzhou GD China 510800

Mango QI Series Air to Water Split Type DC Inverter Heat Pump													
Heating Hot Water Cooling													
Model				MGSDC-030IIC		MGSDC-050IIC		MGSDC-060IIC		MGSDC-080IIC		MGSDC-100IIC	
HP				3HP		5HP		6HP		8HP		10HP	
Ambient	Outlet	Power Supply		220-240V / 50-60Hz / 1ph or 380-415V / 50-60Hz / 3ph								380-415V / 50-60Hz / 3ph	
+7°C	35°C	Heating Capacity	kW	9.25	15.34	18.65	23.28	30.90					
		Power Input	kW	2.11	3.36	4.16	5.12	6.78					
		COP		4.38	4.57	4.48	4.55	4.56					
-7°C	40°C	Heating Capacity	kW	7.80	13.22	16.11	19.84	26.30					
		Power Input	kW	2.79	4.59	5.57	6.91	9.13					
		COP		2.8	2.88	2.89	2.87	2.88					
-15°C	40°C	Heating Capacity	kW	6.75	10.51	12.25	15.77	21.20					
		Power Input	kW	2.81	4.29	5.00	6.52	8.72					
		COP		2.40	2.45	2.45	2.42	2.43					
+35°C	7°C	Cooling outlet	kW	7.62	13.18	16.21	20.51	23.80					
		Power Input	kW	2.61	4.69	5.81	7.30	8.62					
		EER		2.81	2.81	2.79	2.81	2.76					
Work Ambient			°C	-30°C - 43°C									
Outlet Water Temperature			°C	5°C - 55°C (70°C R290)									
Control System				THETA or CAREL (Advance)									
Compressor				Panasonic or GMCC DC Inverter Compressor with EVI System									
Refrigerant				R32									
Fan Motor				Nidec DC Brushless Motor									
Circulation Pump				Wilo or AWANT DC Variable Frequency Circulation Water Pump									
3-Way Valve				Honeywell									
Controller				Wired Touchscreen Controller with WIFI and Custom Language									
Water Heating Exchanger				SUS316 & Cooper Brazed Plate Heat Exchanger									
External Cabinet Material				1.5MM Galvanized Steel With Powder Coating									
Electronic Expansion Valve													
Certificates			-										
Rated Water Flow Rate			m³/h	1.5	2.4	2.8	4.1	5.2					
Rated Pressure Drop			kPa	30	45	45	40	47					
Max Working Pressure	Refrigerant		Bar	44 Bar									
	Water		Bar	7 Bar									
Water Connection	Inlet&Outlet		-	DN25	DN25	DN25	DN32	DN32					
	Indoor Unit		dB(A)	≤42	≤42	≤42	≤42	≤42					
Noise Level	Outdoor Unit		dB(A)	≤50	≤56	≤57	≤59	≤60					
	Indoor Unit		mm	522*296*863.5	522*296*863.5	522*296*863.5	522*296*863.5	602*308*880					
Net Dimension W*D*H	Outdoor Unit		mm	950*445*800	976*410*1273	940*448*1365	1150*480*1565	1405*590*1626					
	Indoor Unit		kg	40 / 45	50 / 55	55 / 60	65 / 70	70 / 75					
Net / Gross Weight	Outdoor Unit		kg	80 / 90	135 / 150	140 / 155	160 / 180	170 / 190					
Remark			1.The values of heating(cooling) capacity/power input/COP(EER) are based on measurement of EN14511 standard.Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values; 2.Sound pressure level measured at distance of 1m from the device; 3.For wall-mounted type, the compressor is located in the outdoor unit;										