









Product parameter table

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			Dunan or Danfoss						
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		
Noise Level	Indoor Unit	dB(A)	≤42	≤42	≤42	≤42	≤42		
	Outdoor Unit	dB(A)	≤50	≤56	≤57	≤59	≤60		
Net Dimension W*D*H	Indoor Unit	mm	522*296*863.5	522*296*863.5	522*296*863.5	522*296*863.5	602*308*880		
	Outdoor Unit	mm	950*445*800	976*410*1273	940*448*1365	1150*480*1565	1405*590*1626		
Net / Gross Weight	Indoor Unit	kg	40 / 45	50 / 55	55 / 60	65 / 70	70 / 75		
	Outdoor Unit	kg	80 / 90	135 / 150	140 / 155	160 / 180	170 / 190		
Remark	<p>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;</p> <p>2.Sound pressure level measured at distance of 1m from the device;</p> <p>3.For wall-mounted type, the compressor is located in the outdoor unit;</p>								