











Product parameter table

Mango QI Series Air to Water Monoblock DC Inverter Heat Pump									
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	4.51	5.59	7.15	8.32	
		EER		2.92	2.92	2.90	2.87	2.86	
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				1.5MM Galvanized Steel With Powder Coating					
Electronic Expansion Valve				Dunan or Danfoss					
Certificates									
Outdoor Air Flow				m3/h	2600	5600	5600	7800	7800
Rated Pressure Drop				kPa	30	45	45	40	47
Max Working Pressure	Refrigerant		Bar	44 Bar					
	Water		Bar	7 Bar					
Water Flow (Built in Pump)				m3/h	1.5	2.4	2.8	4.1	5.2
Expansion Tank				L	2L				
Water Pipe				-	DN25	DN25	DN25	DN32	DN32
Noise in 1M				dB(A)	≤50	≤56	≤57	≤59	≤60
Unit size				mm	925*375*770	1050*400*1350		1175*400*1482	
Net Weight / Gross Weight				Kg	92 / 106	125 / 150	130 / 155	175 / 202	185 / 212