










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	MGSDC-120IIC	MGSDC-150IIC	
HP			3HP	5HP	6HP	8HP	10HP	12HP	15HP	
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	40.10	48.06
		Power Input	kW	2.11	3.36	4.16	5.12	6.78	9.09	10.73
COP				4.38	4.57	4.48	4.55	4.56	4.41	4.48
-7°C	40°C	Heating Capacity	kW	7.80	13.22	16.11	19.84	26.30	34.13	40.90
		Power Input	kW	2.79	4.59	5.57	6.91	9.13	11.85	14.20
COP				2.8	2.88	2.89	2.87	2.88	2.88	2.88
-15°C	40°C	Heating Capacity	kW	6.75	10.51	12.25	15.77	21.20	27.50	32.97
		Power Input	kW	2.81	4.29	5.00	6.52	8.72	11.32	13.57
COP				2.40	2.45	2.45	2.42	2.43	2.43	2.43
+35°C	7°C	Cooling outlet	kW	7.62	13.18	16.21	20.51	23.80	29.00	35.50
		Power Input	kW	2.61	4.69	5.81	7.30	8.62	10.43	12.77
EER				2.81	2.81	2.79	2.81	2.76	2.78	2.78
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			    							
Energy Performance Rating			A+++	A+++	A+++	A+++	A+++	A+++	A+++	
Outdoor Air Flow		m3/h	2600	5600	5600	7800	7800	10860	10860	
Rated Pressure Drop		kPa	≤40	≤50	≤60	≤65	≤65	≤65	≤65	
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	6.19	7.74	
Expansion Tank		L	2L			-				
Water Pipe		-	DN25	DN25	DN25	DN32	DN32	DN40	DN40	
Noise in 1M		dB(A)	≤50	≤56	≤57	≤59	≤60	≤60	≤62	
Unit size		mm	925*375*770	1050*400*1350		1175*400*1482		1180*450*1584		
Net Weight / Gross Weight		Kg	92 / 106	135 / 150	140 / 155	180 / 200	190 / 210	210 / 225	225 / 235	
Remark			-							