

Product Quotation Sheet

AUGUST 4TH

<p><b>Q II Series</b> Monoblock DC Inverter Heat Pump</p> <p>Heating   Cooling   Hot Water</p>								
<b>Model</b>				<b>MGSDC-030IIC</b>	<b>MGSDC-050IIC</b>	<b>MGSDC-060IIC</b>	<b>MGSDC-080IIC</b>	<b>MGSDC-100IIC</b>
<b>HP</b>				<b>3HP</b>	<b>5HP</b>	<b>6HP</b>	<b>8HP</b>	<b>10HP</b>
<b>Ambient</b>	<b>Outlet</b>	<b>Power Supply</b>		220-240V / 50-60Hz / 1ph or 380-415V / 50-60Hz / 3ph				380-415V / 50-60Hz / 3ph
+7°C	45°C	<b>Heating Capacity</b>	<b>kW</b>	9.65	16.45	19.90	24.90	30.90
		<b>Power Input</b>	<b>kW</b>	2.65	4.53	5.50	6.98	8.67
		<b>COP</b>		3.64	3.63	3.62	3.57	3.56
-12°C	41°C	<b>Heating Capacity</b>	<b>kW</b>	6.85	11.44	13.50	16.52	20.61
		<b>Power Input</b>	<b>kW</b>	2.72	4.49	5.31	6.56	8.21
		<b>COP</b>		2.52	2.55	2.54	2.52	2.51
-20°C	41°C	<b>Heating Capacity</b>	<b>kW</b>	5.79	9.55	11.80	14.52	17.45
		<b>Power Input</b>	<b>kW</b>	2.63	4.32	5.39	6.66	8.04
		<b>COP</b>		2.20	2.21	2.19	2.18	2.17
-35°C	41°C	<b>Heating Capacity</b>	<b>kW</b>	3.42	5.68	7.39	8.80	10.92
		<b>Power Input</b>	<b>kW</b>	2.46	4.12	5.32	6.33	7.86
		<b>COP</b>		1.39	1.38	1.39	1.39	1.39
+35°C	7°C	<b>Cooling outlet</b>	<b>kW</b>	7.62	13.18	16.21	20.51	23.80
		<b>Power Input</b>	<b>kW</b>	2.61	4.51	5.59	7.15	8.32
		<b>EER</b>		2.92	2.92	2.90	2.87	2.86
<b>Maximum Working Pressure</b>		<b>Bar</b>	44 Bar					
<b>Compressor</b>		-	Panasonic DC Inverter Compressor with EVI System					
<b>Refrigerant</b>		-	R32					
<b>Fan Motor</b>		-	Nidec DC Brushless Motor					
<b>Controller</b>		-	Touchscreen LCD Controller with WIFI and 13 Languages					
<b>Water Heating Exchanger</b>		-	Cooper Brazed Plate Heat Exchanger					
<b>External Cabinet</b>		-	1.5MM Galvanized Steel With Powder Coating					
<b>EEV</b>		-	Dunan					
<b>Certificates</b>		-						
<b>Outdoor Air Flow</b>		m <sup>3</sup> / h	2600	5600	5600	7800	7800	
<b>Water Flow (Built in Pump)</b>		m <sup>3</sup> / h	>1.6	>3.1	>3.1	>3.4	>3.4	
<b>Expansion Tank</b>		L	2L					
<b>Water Pipe</b>		inch	1"	1"	1"	1-1 / 4"	1-1 / 4"	
<b>Noise in 1M</b>		dB(A)	≤50	≤56	≤57	≤59	≤60	
<b>Unit size</b>		<b>mm</b>	925*375*770		1050*400*1350		1175*400*1482	
<b>Net Weight / Gross Weight</b>		<b>Kg</b>	76 / 85	120 / 146	125 / 151	165 / 194	175 / 212	
<b>Remark</b>		<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>						

**Q II Series**  
Split Type DC Inverter Heat Pump

Heating | Cooling | Hot Water



Model			MGSDC-030IIC	MGSDC-050IIC	MGSDC-060IIC	MGSDC-080IIC	MGSDC-100IIC	
HP			3HP	5HP	6HP	8HP	10HP	
Power Supply		Indoor Unit	V/Hz/Ph		220-240V / 50hz / 1ph or 380-415V / 50Hz / 3ph		220-240V / 50hz / 1ph or 380-415V / 50Hz / 3ph	
Ambient	Outlet	Outdoor Unit	V/Hz/Ph		220-240V / 50hz / 1ph or 380-415V / 50Hz / 3ph		380-415V / 50Hz / 3ph	
+7°C	45°C	Heating Capacity	kW	9.51	16.33	19.70	24.90	30.70
		Power Input	kW	2.63	4.50	5.46	6.97	8.67
<b>COP</b>				3.61	3.63	3.61	3.57	3.54
-12°C	41°C	Heating Capacity	kW	6.76	11.35	13.36	16.40	20.52
		Power Input	kW	2.67	4.50	5.30	6.56	8.18
<b>COP</b>				2.53	2.52	2.52	2.50	2.51
-20°C	41°C	Heating Capacity	kW	5.68	9.41	11.68	14.32	17.24
		Power Input	kW	2.59	4.32	5.33	6.60	8.02
<b>COP</b>				2.19	2.18	2.19	2.17	2.15
-35°C	41°C	Heating Capacity	kW	3.52	5.83	7.62	8.88	10.85
		Power Input	kW	2.55	4.19	5.48	6.48	7.86
<b>COP</b>				1.38	1.39	1.39	1.37	1.38
+35°C	7°C	Cooling outlet	kW	7.51	13.10	16.11	20.38	23.59
		Power Input	kW	2.59	4.50	5.57	7.15	8.28
<b>EER</b>				2.90	2.91	2.89	2.85	2.85
Compressor			-	Panasonic Twin Rotor DC Inverter Compressor with EVI System				
Refrigerant			-	R32				
Fan Motor			-	Nidec DC Brushless Motor				
Controller			-	Touchscreen LCD Controller with WIFI and 13 Languages				
Water Heating Exchanger			-	Cooper Brazed Plate Heat Exchanger 1.5MM Galvanized Steel With Powder Coating				
EEV			-	Dunan				
Certificates			-					ERP A++
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		inch	1"	1"	1"	1"	1-1/4"
Noise Level	Indoor Unit		dB(A)	42	42	42	42	42
	Outdoor Unit		dB(A)	52	56	58	59	61
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 Weight	Indoor Unit		kg	55	55	55	55	70
	Outdoor Unit		kg	58	90	100	120	175
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>							