



MEGAWAVE R32 Heat Pumps

What's included in Megawave R32 Heat Pumps?

- R32 Refrigerant
- Full DC inverter Panasonic Compressor with EVI technology
- High efficiency plate heat exchanger
- DC inverter fan
- Inverter Driver
- Pressure Sensor
- 38dB Low noise Fan
- Blue-fin Evaporator
- Water Pump
- Four Way Valve
- Water Flow Switch
- Wi-Fi control
- An IoT Device (Remote Monitoring system)

Why Megawave R32 Heat Pumps?

- R32 Refrigerant, efficient and environment friendly
- An IoT Device, can be programmed to collect and transfer data through a network, which can enable remote troubleshooting and monitoring.

The device could collect and send data about temperature, pressure, and other performance metrics to a remote system, which can be used to identify and diagnose errors or malfunctions in the system. This can potentially save time and money by allowing for quicker and more efficient troubleshooting without the need for an on-site technician

- High CoP up to 4.93
- Energy Class A+++
- Running at -30°C-45°C
- Outlet water temperature 60 °C
- 3min Intelligent defrosting
- 5 years Warranty (T&Cs apply)

- Low maintenance
- Low running costs
- No fossil fuel burnt
- Unlike conventional gas fired boilers Heat Pumps are not at risk of causing CO2 poisoning or gas explosions





R32 HEAT PUMP SPECIFICATIONS

Electrical Data

Model No	Power Supply	Rated Power Input	Rated Current Input	IP Rating	Fans	Fan motor	Circulation Pump	Compressor		Sound Level	
								Brand/Type	At 1M (dB)	At 3M (dB)	
Spec.	V/Ph/Hz	kW	A		Nr.	Type	Type	Brand/Type			
MWMHP-6KW1	220~240/1/50	2.71	12.00	IPX4	1	DC Inverter	Built In/Inverter	Panasonic / DC inverter / Rotary / EVI		50	38
MWMHP-10KW1	220~240/1/50	3.83	17.00	IPX4	1	DC Inverter	Built In/Inverter	Panasonic / DC inverter / Rotary / EVI		51	39
MWMHP-10KW3	380~415/3/50	3.83	6.50	IPX4	1	DC Inverter	Built In/Inverter	Panasonic / DC inverter / Rotary / EVI		51	39
MWMHP-14KW1	220~240/1/50	5.97	26.50	IPX4	1	DC Inverter	Built In/Inverter	Panasonic / DC inverter / Rotary / EVI		55	41
MWMHP-14KW3	380~415/3/50	5.97	10.50	IPX4	1	DC Inverter	Built In/Inverter	Panasonic / DC inverter / Rotary / EVI		55	41
MWMHP-18KW1	220~240/1/50	7.24	35.50	IPX4	2	DC Inverter	Built In/Inverter	Panasonic / DC inverter / Rotary / EVI		56	43
MWMHP-18KW3	380~415/3/50	7.24	13.20	IPX4	2	DC Inverter	Built In/Inverter	Panasonic / DC inverter / Rotary / EVI		56	43
MWMHP-24KW3	380~415/3/50	9.38	17.30	IPX4	2	DC Inverter	Built In/Inverter	Panasonic / DC inverter / Rotary / EVI		58	45

Mechanical Data

Model No	Water Pipe Connection	Rated water flow	Max outlet water temperature	Operating Temp. Range. Heating	Operating Temp. Range. Cooling	Nominal Cooling (Max) (A35/24°C,W12/7°C)			Nominal Heating (Max) (A7/6°C,W30/35°C)			Nominal Heating (Max) (A7/6°C,W47/55°C)				
						Cooling Capacity	Power Input	EER	Heating Capacity	Power Input	COP	ERP Level (Outlet water temp. 35°C)	Heating Capacity	Power Input	COP	ERP Level (Outlet water temp. 55°C)
Spec.		m3/h	°C	°C	°C											
MWMHP-6KW1	DN 25 (1")	1.10	60	-30 to 45	16 to 45	5.66	1.74	3.25	6.46 (2.50-8.30)	1.31	4.93	A+++	5.92	1.85	3.21	A++
MWMHP-10KW1	DN 25 (1")	1.75	60	-30 to 45	16 to 45	8.34	2.66	3.14	10.58 (4.20-12.20)	2.29	4.62	A+++	9.47	3.09	3.06	A++
MWMHP-10KW3	DN 25 (1")	1.75	60	-30 to 45	16 to 45	8.34	2.66	3.14	10.58 (4.20-12.20)	2.29	4.62	A+++	9.47	3.09	3.06	A++
MWMHP-14KW1	DN 32 (1-1/4")	2.50	60	-30 to 45	16 to 45	13.24	4.12	3.21	14.45 (5.30-16.50)	3.06	4.72	A+++	13.89	4.47	3.11	A++
MWMHP-14KW3	DN 32 (1-1/4")	2.50	60	-30 to 45	16 to 45	13.24	4.12	3.21	14.45 (5.30-16.60)	3.06	4.72	A+++	13.89	4.47	3.11	A++
MWMHP-18KW1	DN 40 (1.5")	3.20	60	-30 to 45	16 to 45	15.88	4.99	3.18	18.77 (6.20-20.50)	3.99	4.70	A+++	16.90	5.47	3.09	A++
MWMHP-18KW3	DN 40 (1.5")	3.20	60	-30 to 45	16 to 45	15.88	4.99	3.18	18.77 (6.20-20.50)	3.99	4.70	A+++	16.90	5.47	3.09	A++
MWMHP-24KW3	DN 40 (1.5")	4.20	60	-30 to 45	16 to 45	20.89	6.70	3.12	24.33 (6.50-26.10)	5.10	4.77	A+++	24.29	7.93	3.06	A++



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- Low running costs
- No fossil fuel burnt
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No Fossil Fuel burnt by the HP

Eco-Friendly

R32

Refrigerant

Above 4.7

High COP

A+++

ErP 35°

Panasonic DC Inverter

Compressor

DB38

Noise Level

WiFi Control

3min

Auto Defrosting

Heating & Cooling

Fan Coil Units

Hot Water

Solar Integration

Radiator

Underfloor Heating

220-240

Single Phase

380-415

Three Phase



Performance Data & Curve

Model		MWMHP-6KW1		MWMHP-10KW1		MWMHP-14KW1 MWMHP-14KW3		MWMHP-18KW1 MWMHP-18KW3		MWMHP-24KW3	
Ambient Temperature	Water Outlet(°C)	heating capacity	COP	heating capacity	COP	heating capacity	COP	heating capacity	COP	heating capacity	COP
°C		kW	w/w	kW	w/w	kW	w/w	kW	w/w	kW	w/w
-25	Outlet:35 °C	3.52	2.37	5.33	2.22	7.43	2.21	9.46	2.17	12.08	2.09
-20		3.78	2.70	6.18	2.53	8.62	2.52	10.97	2.47	14.01	2.37
-7		5.24	3.67	8.59	3.44	11.97	3.43	15.24	3.36	19.47	3.23
-2		5.45	4.15	8.93	3.89	12.45	3.87	15.85	3.80	20.24	3.65
2		5.62	4.50	9.20	4.22	12.83	4.20	16.32	4.12	20.85	3.96
7		6.46	4.93	10.58	4.62	14.75	4.60	18.77	4.51	23.98	4.34
20		7.12	6.43	11.66	6.02	16.26	5.99	20.69	5.88	26.44	5.66
-25		Outlet:55 °C	2.98	1.52	4.68	1.50	7.31	1.46	9.31	1.43	11.98
-20	3.46		1.73	5.42	1.71	8.48	1.66	10.79	1.61	13.89	1.68
-7	4.81		2.36	7.53	2.32	11.78	2.26	14.99	2.21	19.30	2.29
-2	5.00		2.67	7.83	2.63	12.25	2.55	15.59	2.50	20.07	2.59
2	5.15		2.89	8.07	2.85	12.62	2.77	16.06	2.71	20.67	2.81
7	5.92		3.17	9.28	3.12	14.51	3.03	18.47	2.97	23.77	3.08
20	6.53		4.13	10.23	4.07	16.00	3.95	20.36	3.87	26.02	4.01
-25	Outlet:60 °C		2.92	1.38	4.52	1.37	7.28	1.33	9.27	1.31	11.95
-20		3.38	1.57	5.24	1.55	8.44	1.51	10.75	1.48	13.86	1.56
-7		4.70	2.14	7.28	2.12	11.73	2.06	14.93	2.02	19.25	2.13
-2		4.89	2.42	7.57	2.39	12.20	2.33	15.53	2.29	20.02	2.40
2		5.03	2.62	7.80	2.59	12.57	2.53	16.00	2.48	20.62	2.61
7		5.79	2.87	8.97	2.84	14.45	2.77	18.40	2.71	23.72	2.85
20		6.38	3.74	9.88	3.70	15.93	3.61	20.28	3.54	26.15	3.72

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MEGAWAVE
A GREENER HOME

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Product Image	Model No	Power Supply	Unit Dimensions (LxDxH)	Packed Unit on Pallet (LxDxH)	Unit Weight(Kg)	Packed Weight(Kg)
	MWMHP-6KW1	Single Phase	1110x445x850	1160x530x1010	102	114
	MWMHP-10KW1	Single Phase	1110x445x850	1160x530x1010	107	119
	MWMHP-10KW3	Three Phase	1110x445x850	1160x530x1010	107	119
	MWMHP-14KW1	Single Phase	1110x480x850	1160x565x1020	124	136
	MWMHP-14KW3	Three Phase	1110x480x850	1160x565x1020	124	136
	MWMHP-18KW1	Single Phase	1110x445x1450	1170x530x1610	151	168
	MWMHP-18KW3	Three Phase	1110x445x1450	1170x530x1610	151	168
	MWMHP-24KW3	Three Phase	1110x445x1450	1170x530x1610	160	177



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