



KALYAN
ENGINEERING

PEOPLE
THINK
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MAGIC
WE CALL IT
ENGINEERING

MONOBLOC HEAT PUMP



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- ▶ Monobloc Heat Pump looks like a split heat pump the only difference is the Monobloc heat pump contains the high efficiency brazed type heat exchanger along with circulation pump. Here heat exchange takes place in the heat pump itself. The circulating pump suck the water from storage tank and pass it through heat exchanger and hot water transfer to the storage tank. This system can be used in Villas, Bungalows, small size hotels and Hospitals. This system is available for R22 and R410 Refrigerant.
- ▶ This system is available with input of 1 KW, 1.5 KW & 2 KW along with 200 L, 300 L & 500 L storage tank.

FEATURES

- ▶ Rotary compressor
- ▶ Brazed plate type heat exchanger
- ▶ No copper piping work at site
- ▶ Only plumbing connections required
- ▶ Overload protection
- ▶ Digital Temperature controller for automatic operation
- ▶ High pressure protection
- ▶ Less chances of refrigerant leakage
- ▶ In built Circulation pump
- ▶ Easy installation and maintenance
- ▶ Refrigerant charged from factory
- ▶ High and Low voltage protection (Optional)

MODLE SPECIFICATIONS

Description	Model	10 Magma M	15 Magma M	20 Magma M
Heating Capacity	kW	4	6.0	8.0
Compressor	KW	1	1.5	2
COP with ΔT of 30°C.	coph	4	4	4
Rated Water Pump Power	kW	0.08	0.08	0.08
Fan		0.09	0.09	0.09
Total Power Consumption	kW	1.17	1.67	2.17
Voltage	V	220 V - 240 V ~ 50 Hz		
Rated Output Water Temp	°C	55	55	55
Max Out Water Temp	°C	60	60	60
Rated Hot Water Output	Rise in Temperature °C	30	30	30
	Ltrs Per hour	100	150	200
Circulation Pump Flow	LPM	13	17	25
Compressor	Type	Rotary	Rotary	Rotary
	Refrigerant	R22	R22	R22
Ambient Temp	°C	5 to 45	5 to 45	5 to 45
Outer Pipe Dia	Inch	1	1	1
Noise in 1 meter distance	dB	≤54dB(A)	≤54dB(A)	≤54dB(A)
Dimension L X W X H	mm	900 X 550 X 600	900 X 550 X 600	900 X 550 X 600
Storage Tank Capacity - Pressurised	Ltrs	200	200/ 300	200/ 300/ 500

INSTALLATION PHOTOS



THANK YOU

Contact Details:

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