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ENGINEERING

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MAGIC
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ENGINEERING

COMMERCIAL HEAT PUMP



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- ▶ The Commercial Heat Pump functions just as the Monobloc Heat Pump but the only difference being the higher level of protection and capacity. This system can be connected with the existing water system. It can give better performance in low temperature as well this system can generate high quantities of hot water in less time. It is designed specifically for better reliability. This can be used in Hotels, Hostels, Hospitals, Resorts and industrial applications.
- ▶ It is available for R22 and R410 refrigerant.
- ▶ This system is available with input 2.5 to 20 KW along with 500 L to 5000 L storage tank.
- ▶ Higher capacity is also possible on request.

FEATURES

- ▶ Scroll compressor
- ▶ Brazed plate type heat exchanger
- ▶ No copper piping work at site
- ▶ Only plumbing connections required
- ▶ Overload protection
- ▶ Digital Temperature controller for automatic operation
- ▶ Marine epoxy/ ceramic coating for tanks
- ▶ High and low 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	27 Magma M	30 Magma M	50 Magma M	75 Magma M	100 Magma M
Heating Capacity	kW	10.0	12.4	19.6	30.0	40.0
Compressor	KW	2.5	3.1	4.9	7.5	10
COP with ΔT of 30°C.	coph	4.1	4	4	4	4
Rated Water Pump Power	kW	0.08	0.08	0.37	0.7	0.7
Fan		0.18	0.25	0.4	0.8	0.8
Total Power Consumption	kW	2.76	3.43	5.67	9	11.5
Voltage	V	220 V - 240 V ~ 50 Hz	380 V - 415 V ~ 50 Hz			
Rated Output Water Temp	°C	55	55	55	55	55
Max Out Water Temp	°C	60	60	60	60	60
Rated Hot Water Output	Rise in Temperature °C	30	30	30	30	30
	Ltrs Per hour	275	300	500	750	1000
Circulation Pump Flow	LPM	30	35	60	90	120
Compressor	Type	Rotary	Rotary/ Scroll	Scroll	Scroll	Scroll
	Refrigerant	R22	R22	R22	R22	R22
Ambient Temp	°C	5 to 45	5 to 45	5 to 45	5 to 45	5 to 45
Outer Pipe Dia	Inch	1	1	1	1	1
Noise in 1 meter distance	dB	≤54dB(A)	≤54dB(A)	≤62dB(A)	≤62dB(A)	≤62dB(A)
Dimension L X W X H	mm	950 X 550X 600	950 X 550X 600	1000X 550 X 625	1100 X 650 X 750	1350 X 750 X 900
Storage Tank Capacity - Pressurised	Ltrs	500 TO 1250	500 TO 1250	750 TO 2500	2000 - 3000	2500 - 5000

INSTALLATION PHOTOS



THANK YOU

Contact Details:

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