

MAGMA

WATER HEATING SYSTEM



Applications

-  For Bath
-  Space Heating
-  Food & Vegetables Drying
-  Swimming Pool
-  Industrial Process
-  Chemical Process
-  Backup system for Solar Water Heater



Features

- Low Power consumption
- Environment friendly product with low carbon footprint & no pollution
- Low space requirement with good aesthetic
- Safe against electrical shock & fire hazards
- Full auto control with fault logic
- Provides hot water round the year under all weather conditions
- Simple and easy installation

Technical Specifications

Model	HWS 508	HWS 1008	HWS 2008	HWS 3008	HWS 5008	HWS 6008	HWS 10008
Power supply(V/PH/HZ)	230 / 1 / 50	230 / 1 / 50	415/ 3 / 50	415 / 3 / 50	415 / 3 / 50	415 / 3 / 50	415 / 3 / 50
Heating in kW	2.27	4.40	9.21	13.08	23.38	26.17	42.04
Heating in Kcal/Hr.	1,950	3,780	7,500	11,250	20,100	22,500	37,500
Input power in kW	0.75	1.4	2.4	3.3	5.95	6.88	10.5
COP (with Pump & Fan)	3.02	3.14	3.84	3.96	3.93	3.80	4.00
Running current A	3.26	6.09	5.78	7.95	14.34	14.09	25.30
Hot Water output /Hr δT of 30°C	65	126	264	375	670	750	1,205
Hot Water in 8 Hrs	520	1008	2112	3000	5360	6000	9640
Water Temp 58°C \pm 3 °C.	58	58	58	58	58	58	58
Max outlet Water Temp °C	63	63	63	63	63	63	63
Ambient Temp range	8-40	8-40	8-40	8-40	8-40	8-40	8-40
Water connections BSP	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	1"
No of Compressors	1	1	1	1	1	1	1
Type of Compressor	Reciprocating	Reciprocating/ Rotary	Reciprocating/ Rotary	Scroll	Scroll	Scroll	Scroll
Make of Compressor	Emerson / Danfoss	Emerson / Danfoss	Emerson / Danfoss	Emerson / Danfoss	Emerson / Danfoss	Emerson / Danfoss	Emerson / Danfoss
No of Fans	1	1	1	1	1	2	2
Type of Fan	Exhaust	Exhaust	Exhaust	Exhaust	Exhaust	Exhaust	Exhaust
Circulation Pump	Without Pump	Centrifugal Monoblock	Centrifugal Monoblock	Centrifugal Monoblock	Centrifugal Monoblock	Centrifugal Monoblock	Centrifugal Monoblock
Pump Flow & Head	-	3 LPM 6 mtrs	5 LPM 6 mtrs	8 LPM 6 mtrs	10 LPM 6 mtrs	15 LPM 6 mtrs	24 LPM 6 mtrs
Noise db A	65	65	65	72	72	72	72
Dimensions in mm	Length	800	800	800	1100	1100	1625
	Width	370	400	400	500	500	735
	Height	500	550	550	700	700	1005
Weight (Kg)	40	95	110	120	250	270	300
Refrigerant	R-22	R-22 / R 407c	R-22 / R 407c	R-22 / R 407c	R-22 / R 407c	R-22 / R 407c	R-22 / R 407c
Unit Structure	GI Sheetmetal	GI Sheetmetal	GI Sheetmetal	GI Sheetmetal	GI Sheetmetal	GI Sheetmetal	GI Sheetmetal

1. Capacity based on standard test conditions. 27° C ambient 70% Rh water inlet 30°C hot water temperature difference of 30 \pm 3°C
2. Specification are subject to change without prior notice