



High efficient and energy saving Air to Water Heatpump Domestic Waterheaters

The comprehensive energy consumption is only 65% of a comparable high level quality solar water heater and 25% of a standard electric water heater > Considerable saving of costs, initial investment to withdraw in short term.

Wide application: for room radiant, floor heating, schools, factories, apartments, sauna, beauty salon, gym, guest house, hotel, hospital, senior residential, swimming pools, farms, greenhouse production facilities.

Can replace all fuel/gas/electric boilers.

- Low Carbon Steel Storage Tank with Vitreous Enamel internal lining with Magnesium Anode.
 - Externally wrapped condenser (heat exchanger) to avoid calcium scaling in hard water areas.
 - Japanese brand Toshiba compressors to provide high performance, durability and reliability.
 - Stainless Steel outer casing to provide better durability for externally installed Units.
 - High Efficiency Non-CFC R134a refrigerant gas for efficiency and environmentally safe.
 - All performance data is based on the systems operating in a constant ambient temperature of 20°C.
 - All Flow data is based on an incoming water temperature of 27°C and an outlet temperature of 60°C.
 - The systems operate effectively in ambient temperatures between -15°C and +45°C.
 - *Two (2) years warranty on the refrigerant circuit components.
 - *Five (5) years warranty on the Storage Tank.
- The warranty for the refrigerant circuit and the storage tank is calculated from the date of the Bill of Lading when the goods are shipped from the factory. Prices are Effective from 1st. January, 2012.

Also available : Split installations with separate tanks and heat pumps.

The range goes from 80 L/H -3,7kW in 25 versions to 2030 L/H – 90kW

Options are: - side fan direction type or top fan direction type.

- additional water storage tank.
- multiple coils possible; for additional external heating source as solar heater or heat pump.
- additional electric heater element.
- LCD or LED touch screen wire controller.





Number Of People		2 to 4	2 to 5	2 to 7	2 to 8	2 to 8
Water Volume	L	150	200	250	300	300
Rated Output Water	L/H	78	78	91	117	156
Rated Heating Capacity	kW	3.5	3.5	3.5	4.5	6.0
	BTU/h	11900	11900	11900	15400	20492
Rated Input Power	kW	0.95	0.95	0.95	1.25	1.66
COP @ 20°C		3.61	3.61	3.61	3.61	3.61
Aux. Elec. Heater (option)	kW	1.5 to 3.0	1.5 to 3.0	1.5 to 3.0	1.5 to 3.0	1.5 to 3.0
Max. Temp Water Output	°C	60	60	60	60	60
Rated Temp Water Output	°C	55	55	55	55	55
Power Supply	V/PH/Hz	220/1/60	220/1/60	220/1/60	220/1/60	220/1/60
Exhausting Max. Work Press.	Mpa.	3	3	3	3	3
Absorbing Max. Work Press.	Mpa.	0.05	0.05	0.05	0.05	0.05
Compressor		Rotary	Rotary	Rotary	Rotary	Rotary
Compressor Qty		1	1	1	1	1
Fan Qty		1	1	1	1	1
Noise	dB(A)	46	46	48	48	48
Hot Water inlet Connection	inch	3/4"	3/4"	3/4"	3/4"	3/4"
Fan Direction		horizontal	horizontal	horizontal	horizontal	horizontal
Ambient Temp. Range	°C	-15 to +45				
Tank Working Pressure	Kpa.	850				
Refrigerant Gas Type		R134A				
Enamel Tank wall thickness	mm	2.5mm	2.5mm	2.5mm	2.5mm	2.5mm
Stainless Steel outer casing	mm	1.5mm	1.5mm	1.5mm	1.5mm	1.5mm
Insulation layer thickness	mm	50 mm	50mm	50 mm	50 mm	50 mm
Bare Tank Dimensions (L/W/H)	mm	Φ470*865	Φ570*785	Φ600*885	Φ600*1060	Φ600*1060
Outer Casing Dim. (L/W/H)	mm	Φ570*1600	Φ570*1880	Φ700*1620	Φ700*1750	Φ700*1750
Shipping Dimensions (L/W/H)	mm	650/650/1840	650/650/2050	790/790/1820	790/790/1850	790/790/1850
Main Unit Net Weight	mm	58	62	78	95	100
Shipping Weight	kg	60	68	83	105	112





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