Specifications - Mini Heat Pump

		MODELS		
	Unit	**MHP 30**	**MHP 50**	**MHP 80**
Maximum Outlet Water Temperature	deg C (F)	60 (140)	60 (140)	60 (140)
Tank Capacity	litres (gal)	136 (30)	227 (50)	363 (80)
Unit Diameter	mm (in)	510 (20)	610 (24)	740 (29)
Unit Height (Overall)	mm (in)	1650 (65)	1775 (70)	1828 (72)
Unit Weight (Empty)	kg	71.2	83.1	120.6
Unit Weight (Full)	kg	207.2	310.1	483.6
Installation Position	-	Vertical	Vertical	Vertical
Tank Construction	-	Premium grade stainless steel		
Outer Casing	-	Oven baked powder coated E. G. sheet		
Insulation	-	Polyurethane of density 40 kg/m^3		
Water Inlet / Outlet Connection	-	3/4"BSPT	3/4"BSPT	1"BSPT
Drain Pipe Connection	-	1"BSPT	1"BSPT	1"BSPT
Safety Value Connection	-	3/4"BSPT	3/4"BSPT	3/4"BSPT
Max. Operating Pressure				
Water	kPa	700	700	700
Compressor Rating	**kW** (HP)	0.75 (1.0)	1.1 (1.5)	1.5 (2.0)
Refrigerant		**R134A**	**R134A**	**R134A**
Refrigerant Inlet / Outlet Connection	**-**	**3/8"**	**1/2"**	**5/8"**
Ventilation Fan Rating	Watts (HP)	150 (1/5)	180 (1/4)	220 (1/3)
Standby Electric (Capacity)	**kW**	3	3	3
Heating Element (Power Supply)	V/ph/Hz	240 / 1 phase / 50 Hz		
c/w Thermostat (Temperature Setting)	deg C (F)	60 (140)	60 (140)	60 (140)

* All Specification Are Subjected To Change Without Prior Notice.

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Renewable Energy

Mini Heat Pump

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Renewable Energy
Mini Heat Pump

Save up to 75% of your heating bills

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Ideal for your entire household's hot-water supply, 24 hours a day.
On top of that, you will also enjoy cool air generated as a by-product of the system.

Leader in Water Heating Technology.

- Economical, 75% savings on heating bills.
- Minimum maintenance.
- Lower cost per unit energy output.
- Meets international quality and safety standards.
- Reliable and efficient.
- Reliable in-house before and after sales service.
- Saves space.
- Built to last.
- Pollution free.
- Manufacturer warranty.

Renewable Energy Mini Heat Pump

This Energy Saving system work on the same principle as an air conditioner in the reverse cycle.

The compressor compresses the refrigerant vapor and directs the hot compressed vapor refrigerant to the copper pipe heat exchanger connected to the water storage tank. This makes the coil to act as the condenser and gives out heat energy that is transferred to the water in the storage tank.

The cooled liquid refrigerant is then passed through the liquid receiver to filter the liquid content from the refrigerant vapor. The filtered refrigerant is expanded through expansion valve and is passed through the evaporator inside or outside the unit where heat from the surrounding is absorbed into the vapor and cold air is blown out. The refrigerant then flows back to the compressor to complete one cycle of process.

This heating process will keep running until water temperature reaches 60°C. Temperature and pressure relief valve is used to ensure the pressure and temperature of the storage water does not exceed the set limits.

FREE COOLED AIR is the by-product of the system.