

ECO FUTURES

CENTRALISED WATER HEATING SOLUTION

Economical, Safe
Eco Friendly and
Hygienic Hot Water



ALL IN ONE
HEAT PUMP

MONOBLOCK
HEAT PUMP

COMMERCIAL
HEAT PUMP

Heat Pump

About Eco Water Heating System

Eco Heat Pump and Eco Solar Power, Company based Betul (M.P.) out of Bhopal, India. We have a complete range of Heat Pump and Solar Water Heating. Our company has been working in Hot Water since 2008.

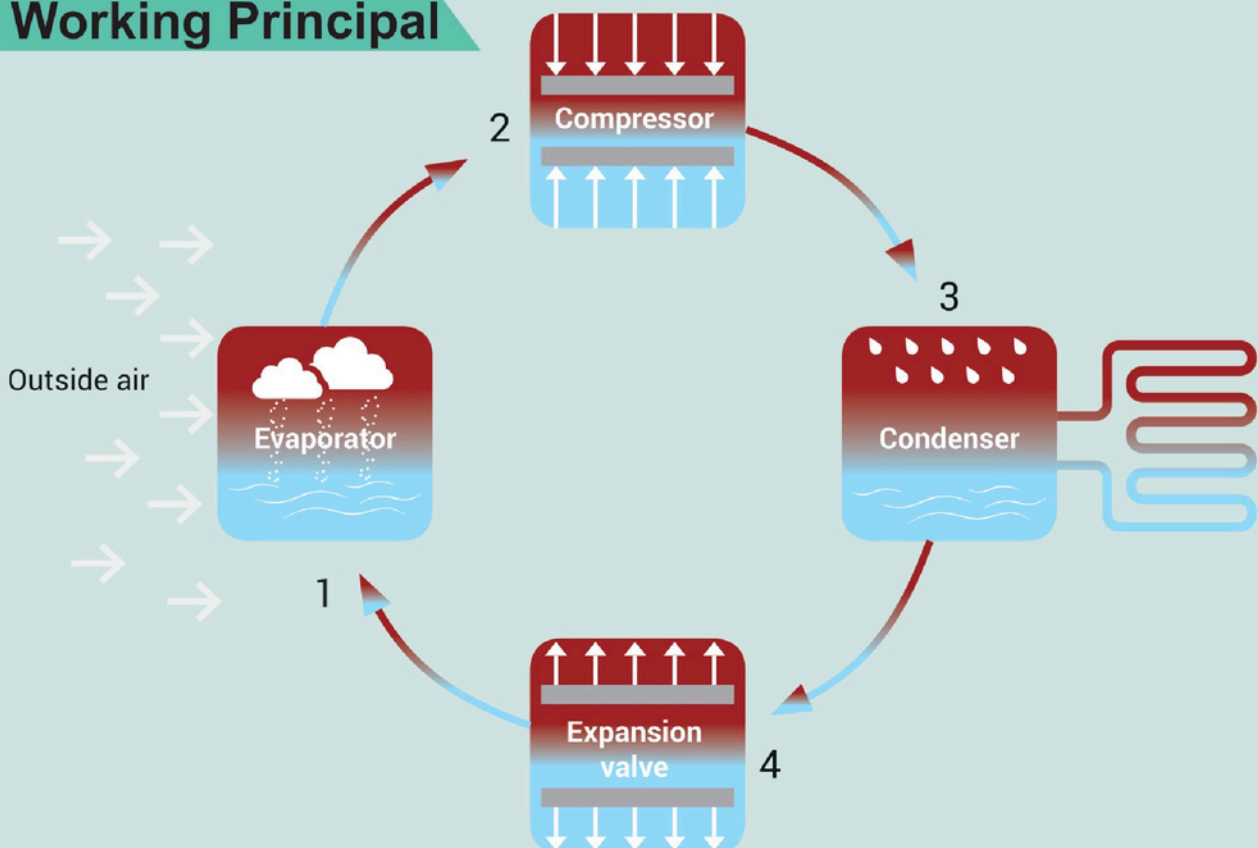
ECO Heat Pump-Working Principal

Eco Air Source Heat Pumps is a water that sources the heat from the air to heat water.

Working principal is based on the reversed Carnot cycle. Usually, a heat pump water heater has four main components: Evaporator, Compressor, Condenser, and Expansion Device.

The Refrigerant is the medium to connect the four parts. Our technology: the liquid refrigerant in the compressor will be pumped into high temperature and high pressure gas by using a very little amount of electricity.

Working Principal





Model	All in One 200	All in One 300
Capacity (Ltr.)	200 LTR	300 LTR
Operating temperature range	(-7~45 C)	
Heat Pump Input Power	470W	623W
Heat Pump output	1800W	2420W
COP	3.82	3.88
Electric Heater Input power	2000W	2000W
Max Input Power (w)	2685	2890
Max Current (A)	12.2A	13.4A
Power Supply	220/240/1ph/50Hz	
Heating Capacity ECO mode	39L/H	52L/H
Heating Capacity by Hybird Model	81L/H	95L/H
max. temp	70 ^o c	70 ^o c
Heat Pump Noise Leve	52dB	53dB
Compressor	GMCC	Panasonic
Refrigerant	R134a	R134a
No. of Fan	1	
Water Heat Eachanger	Micro Channel	
Water tank	Tank with enamel interior	
Tank Rated Pressure	0.8 MPa	
Insulation thickness	50 mm PUF	
Net weight	98 Kg	132 Kg
Product size	570x1800	640x2020

Testing condition : ambient Dry/Wet Builb Temp: 20^oC/15^oC water Inlet outlet 15^oC/15^oC



Model	ECHP 3.5	ECHP 5	ECHP 7	ECHP 9	ECHP 10	ECHP 16.5	ECHP 19	ECHP 38
Working Temp ^o C	(-7 to 43C)							
Power Supply	220V/1ph/50Hz				415V/3ph/50Hz			
Rated Heating Capacity (Kw)	3.5	5kw	7kw	9kw	10kw	16.5kw	19kw	38kw
Rated Input Power (Kw)	0.85	1.21	1.65	2.19	2.12	4.13	4.35	8.7
Rated Working Current (A)	4.1	5.8	8	9.5	7.5	12.5	12.5	25
COP	4.12	4.13	4.24	4.11	4.2	4	4.4	4.4
Heat Exchanger (Condensor)	Tube in shell / Heat Exchanger							
Max Working Temp ^o C	60	60	60	60	60	60	60	60
Hot Water (L/h)	75	107	150	193	215	355	400	800
Auto Defrosting Function	Included							
Circulating Water Flow (M3/h)	0.7	0.9	1.2	1.5	1.8	3.5	3.5	7
No. of Compressor	1	1	1	1	1	1	1	2
Compressor	Rotary (GMCC /Highly)				Highly	Scroll (Copeland)		
Circulating Water Pump	Wilo/Equivaent							
Outdoor Noise level(1 meter dB)	53	53	55	55	58	62	62	64
Refrigerant	R410A							
Weight (Kg)	43	45	55	60	90	105	120	240
Net Dimension (L.W.H.)	930x280 x550		930x280 x550		700x700 x900	750x750 x1050	750x750 x1100	1560x850 x1100

Testing Condition: ambient Dry/wet Bulb Temp:20°C/15°C water inlet outlet Temp 15°C/55°C

Due to product improvement. To change specification and models with out prior notice.

M.S. International

Factory: 122B Patpar Ganj Village, Mayur Vihar Phase-1, New Delhi 110091
 Mob: +91-9810492243, +91-9654021030
 Customer Care: +91 9650250103
 Email: msinternational1214@gmail.com
 vision_soft47@rediffmail.com
 Website: www.msinternationals.co.in

Dealer / Distributor