Neo™

HEAT PUMP

Now Available

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Introduction

"Sai Heating and Cooling Solutions", under the brand Name "Neo Heat Pump" is a Indian based company and are into the manufacturing of Heat Pump Water Heater/Heat Pump Swimming Pool Heaters/Heat Pump Dryers/Hot Water Storage Tank. Using renewable energy heat source from the ambient air to heat water, these heaters can provide hot water round-the-clock and throughout the year in an energy efficient and affordable way. Neo Heat pump Water Heater are the right solution for Commercial, Industrial, Residential and Domestic hot water applications. Get non-stop hot water in seconds anywhere in the Buildings using a Neo Heat Pump Water Heater, while saving as much as 70 % TO 80% on your heating costs. The heat pump absorbed energy from the atmosphere and heat water round-the-clock, irrespective of the weather. A solitary heat pump installed in the building can supply hot water to all the bathrooms, kitchens and utility areas. Ideally Suitable for Hospitals, Hotels, Resort, Hostels & PGs, Villas, Residential etc.

With our research and development the Neo Heat Pumps successfully in 2012 delivered innovative hot water solutions and HAVC systems, now for over 11 years and have satisfied 6000+ customers. Neo Heat Pump's residential and commercial water heaters, boilers and storage tanks are unmatched in terms of quality and diversity.

Advantages of Neo Heat Pumps

- Neo Heat best ROI & lower oparating cost
- 24/7 Hot water supply (Constant hot water)
- Saves 70% to 80% of energy when compared to traditional heating methods.
- Requires less area for installation.
- .Easy and flexible installation
- Works in any climate & Wide application .
- Durability: long life span with least maintenance.
- It can be clubbed with the existing solar system/diesel fired boiler as a hybrid solution.
- Equipped with fully automatic and intelligent controllers and no needs human attention once commissioned.
- Neo Heat Pump is Service Friendly & We can get all spare parts in all over India.
- Green & Environment - Friendly Refrigerant Used

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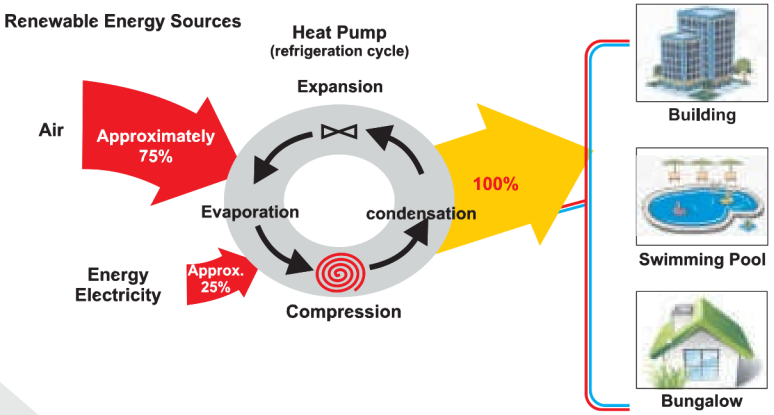
Heat Pump Water Heating: Proven Green Technology



Economical Operation: (Low running cost)
Compared to any conventional heating system, Heat Pump costs much less. thereby saving electricity or gas cost.

Safety: Though the efficiency is very high. heat pumps are safe as the water and electricity are completed isolated. There NO flames or fumes as compared to boilers

Environmental Friendly:
As Heat Pump uses the neat available in ambient temperature. They are no harmful emissions given off locally in the process

Easy operation:
it is very easy and simple to operate the heat pump. It can be controlled automatically

Constant hot water supply:
As heat pump is not depending on sun light like solar water heaters, it can provide continuous hot water supply

Wide application:
Heat pump water heater can be used for wide application areas like domestic hot water requirement. Industrial hot water needs, and swimming pool heating and high temp heating areas.

Neo Heat Pump is an Easy to maintain & Service

Delivering up to 75% energy savings vs traditional heating systems

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Domestic Range -Heat Pump Technical

Neo Heat Pump Models	NEO100	NEO150	NEO220	NEO250
Water output	100 L/h	150L/h	220L/h	250L/h
Rated Input power	1 kW,	1.5kW,	2.2kW,	2.5kW,
Out Put Heating Capacity	4 kW,	6kW,	8.2kW,	10kW,
Power Supply	220 V/ 1 PH/ 50Hz	220 V/ 1 PH/ 50Hz	220 V/ 1 PH/ 50Hz	220 V/ 1 PH/ 50Hzor 415v/3 PH/50Hz
Compressor	Rotarytype , Make - Highly/ GMCC	Rotarytype , Make - Highly/ GMCC	Rotarytype , Make - Highly/ GMCC	Sealed Hermetic, Make - Copeland / Tecumseh
Heat Exchanger Type	Shell and coil, Neo Make	Shell and coil, Neo Make	Shell and coil, Neo Make	Co-Axial Tube in Tube high efficiency, Neo Make
Evaporator Coil	2 Row Copper Coil with Aluminum fins	2 Row Copper Coil with Aluminum fins	2 Row Copper Coil with Aluminum fins	2 Row Copper Coil with Aluminum fins
Fan type	Axial suction fan,300s ,Make -Trumaxx / Super Flow Low noise high efficiency	Axial suction fan,300s ,Make -Trumaxx / Super Flow Low noise high efficiency	Axial suction fan,300s ,Make -Trumaxx / Super FlowLow noise high efficiency	Axial suction fan,350s ,Make -Trumaxx / Super Flow Low noise high efficiency
Fan direction	Vertical	Vertical	Vertical	Vertical
Temperature controller	Subzero make	Subzero make	Subzero make	Subzero make
Refrigerant	R 417a / R 134a / R407c/R22	R 417a / R 134a / R407c/R22	R 417a / R 134a / R407c/R22	R 417a / R 134a / R407c/R22
Max water Temperature	60°c	60°c	60°c	60°c
High Pressure/Low pressure Protection switch	Danfoss make	Danfoss make	Danfoss make	Danfoss make
Circulation pump	Wilo- RS-15/6, 230v	Wilo- RS-15/6, 230v	Wilo- RS-15/6, 230v	Wilo- RS-15/6, 230v/ Pedrolla -0.50hp 230v
Water pipe size	3/4Inch	3/4Inch	3/4Inch	1Inch
Net Weight (Kg)	85Kg	85Kg	105 Kg	120 Kg
Unit Dimension (l*b*h) mm	860* *550**610	860* *550**610	860* *550**610	860* *630**720

Domestic Range - Split Model Heat pump with Tank Technical Specification

NEO SPLIT MODEL	NEO 250/100SHP	NEO 300/150SHP	NEO 500/220SHP
Tank Value (L)	250	300	500
Tank Materials.	Galvanized Tank With epoxy Coated.	Galvanized Tank With epoxy Coated.	Galvanized Tank With epoxy Coated.
Tank Testing/ Operating Pressure(Bar)	6/4	6/4	6/4
Rated Heating Capacity.	4 KW	6 KW	8.5 KW
Rated Input Power	1.kw	1.5kw	2.2.kw
Max Outlet Temperature.	60 °C	60 °C	60 °C
HEAT PUMP LPH	100 Liters per hour,	150 Liters per hour,	220 Liters per hour,
Power Supply.	230v/1ph/50Hz	230v/1ph/50Hz	230v/1ph/50Hz
Rated Current.	4.5 A	6.8 A	10 A
Type Heat Exchanger	Shell & Coil	Shell & Coil	Shell & Coil
RotaryCompressor	GMCC/Highly	GMCC/Highly	GMCC/ Highly
Max. Pressure.	3Mpa.	3Mpa.	3Mpa.
Refrigerant Type.	R22 / R134a	R22 / R134a	R22 / R134a
Circulation pump	Wilo	Wilo	Wilo
High Pressure/Low Pressure Protection Switch	Danfoss Make	Danfoss Make	Danfoss Make
Unit Dimension. (mm) (l*w*h)	Unit: 965/356/559	Unit: 965/356/559	Unit: 1067/686/737
Tank Dimension. (mm) (d*h) (inner)	450/1250	450/1500	615/1700


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AN ISO 9001 : 2015 CERTIFIED COMPANY

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