



**KALYAN**  
**ENGINEERING**

PEOPLE  
THINK  
**IT'S**   
**MAGIC**  
WE CALL IT  
ENGINEERING

# REVERSIBLE HEAT PUMP



# MONOBLOC HEAT PUMP

- ▶ Reversible Heat Pump works in either direction to provide heating or cooling to the internal space. It has a reversing valve to reverse the flow of refrigerant from the compressor through the condenser and evaporation coils.
- ▶ In **heating mode**, the outdoor coil is an evaporator, while the heat exchanger is a condenser. The refrigerant flowing from the evaporator carries the thermal energy from outside air. The heat exchanger then transfers thermal energy to water, which is then moved around the inside of the water tank by circulation pump.
- ▶ In **cooling mode**, the cycle is similar, but the evaporator coil is now the condenser and the exchanger is the evaporator. In this mode heat exchanger cools the water which will be transferred to the storage tank.
- ▶ This system can be used in resorts, bungalows, villas and spa. This system is available for R22, R407 and R410 refrigerant.
- ▶ This system is available with input of 1 KW, 1.5 KW, 2 KW & 2.7KW along with 200 L, 300 L, 500 L, 750 L, 1000 L storage tank.

## FEATURES

- ▶ Rotary compressor
- ▶ Brazed plate type heat exchanger
- ▶ No copper piping work at site
- ▶ Only plumbing connections required
- ▶ Overload protection
- ▶ Digital Temperature controller for each operation
- ▶ Constant water temperature in shower for whole year
- ▶ High pressure protection
- ▶ Less chances of refrigerant leakage
- ▶ In built Circulation pump
- ▶ 4 way valve for change over
- ▶ Easy installation and maintenance
- ▶ Refrigerant charged from factory
- ▶ High and Low voltage protection (Optional)

# INSTALLATION PHOTOS



# THANK YOU

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