

20KW HEAT PUMP CATALOGUE

HEAT PUMP

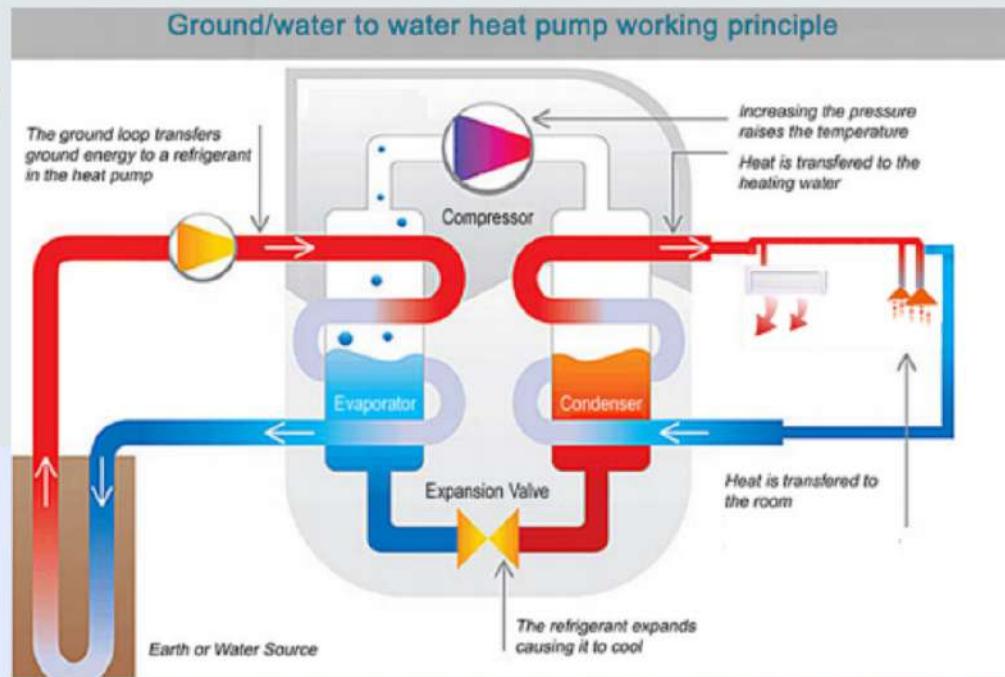
Heatpump is the type of water heating Technology which works on reverse refrigeration, less consume electricity & gives steady Hot water

Principle of HEAT PUMP:

The hot and pressurized vapour on the discharge side of the compressor is cooled in a heat exchanger called a condenser until it condenses into a high pressure, moderate temperature liquid

4 main components:

1. **Compressor**
2. **Condensor**
3. **Evaporator**
4. **Expansion valve**



Oxygen concentrator



Ozone & UV



Ozone



PUMP



UV Air purifier



Sensors

#78 1st main, petechannappa industrial area,
Kamakshipalya, Bangalore-560079

DeBru

20KW HEATING SOLUTIONS



- We also manufacture of SS & MS tanks
- Insulation :Raw cooled insulation.

Tank Capacity: 100ltrs to 10,000ltrs.



Tank Capacity: 5000ltrs.

Applications

1. Houses, Hotels, PG's, Hospitals, Hostels, Airports, Government Offices, and other commercial units.
2. Temperature control of swimming pools.

Advantages

1. Low Maintenance.
2. Easy and flexible installation.
3. Fully automatic.
4. 80% Savings vs other modes of heating.
5. Works in any type of climate.

Technical Specification

SL no	DESCRIPTION	SPECIFICATION	
1	Water Output	79 ±1° ,2500 ltrs to 3000 ltrs/hr	
2	Rated Input Power	20KW	
3	Output Heating capacity	80KW	
4	Power Supply	415v/3PH/50Hz	
5	Mechanical Specifcation	Compressor	Scroll Compressor,Make-Copeland X4
		Heat Exchange type	Co-Axial Tube in Tube high efficiency
		Thermo Static Expansion Valve	Emersion Make
		Evaporator coil	4duel Row copper coil with aluminium fins with single molded
		Fan type	Axial suction fan ,500s,Trumax
	Fan direction	Vertical	
6	ELECTRIC Specifcation	Digital temperature controller	Subzero make
		VSP 3	Single ph preventer,mk:maltispan
		Timer	DT60S /maltispan
		HP/LP protection switch	Danfoss make
7	HOT Water Circulation Pump	Make & Module	Make:Wilo,HMHIL 2HP
		Power supply	3~415V,50Hz
		Max water temperature	6bar
		Max inlet pressure p sc0pkm	6°c
8	Refrigerant	R134a	
9	Set Water temperature	80°C ±1°	
10	Max water temperature	80°C ±1°	
11	Water Pipe sie	2Inch	
12	Net weight(KG) &Unit Dimension (l*b*h)mm	approx 500KG per 1 unit & (3120*1870*2920)	
13	Heatpump Outer body	GI with Epoxy coated	