

enhancing it on the way & delivering heat into water to be heated.

This chain activity of sourcing, moving, enhancing & delivering is performed by a conventional air conditioning compressor.

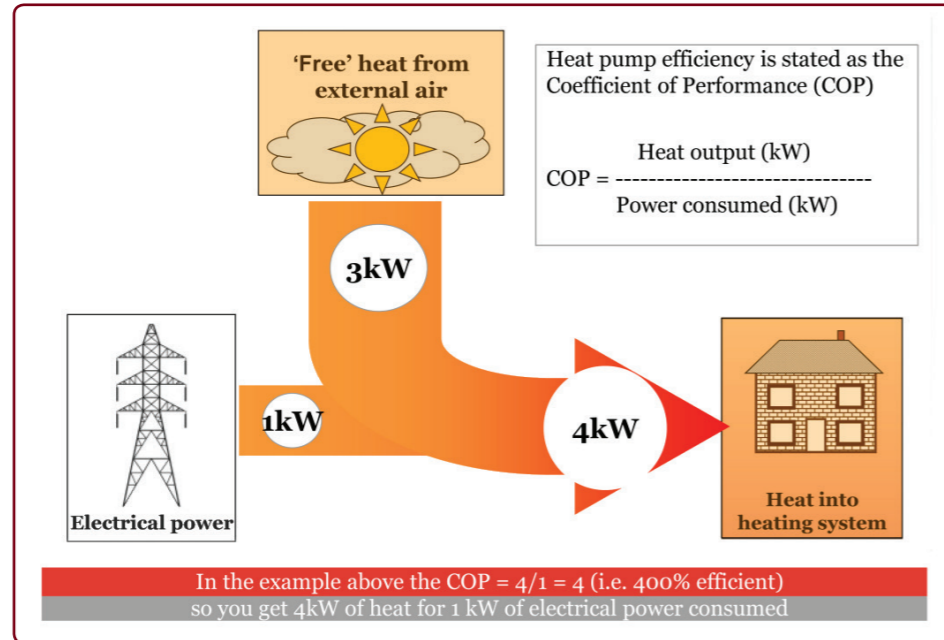
Water can be heated to 55 Deg C using heat pump with a COP of 3.5, i.e 3.5 Kw of heat can be availed by spending 1.0

KW of electricity.

Other features of importance are that it is totally environment responsible equipment, is reliable equally all through 365 days, required very small foot print area for accommodation & last but not the least does not need an attendant.



STEP ON IT



ENERGY MULTIPLIER MODELS

Sr No	Model Number	Heating (kW)
1	CAEM 04	3.5
2	CAEM 06	5.5
3	CAEM 08	7.5
4	CAEM 10	10
5	CAEM 20	20
6	CAEM 30	30
7	CAEM 40	40
8	CAEM 75	75



CONTEC AIRFLOW PROJECTS PVT. LTD.

ISO 9001:2008 Certified Company

Energy conserving solutions that reduce operating costs protect environment

Cooling & Heating

for

Hospitality, Health Care & Apartment Buildings

Air Source Energy Multiplier

Water Source Heat Pumps

Thermal Energy Storage Ice Bank



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ISO 9001:2008 Certified Company

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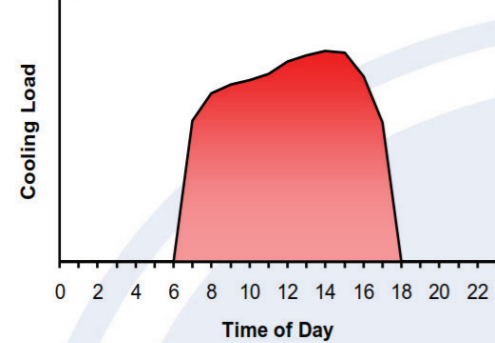
We are committed to Go Green technology initiative

Ice Thermal Storage

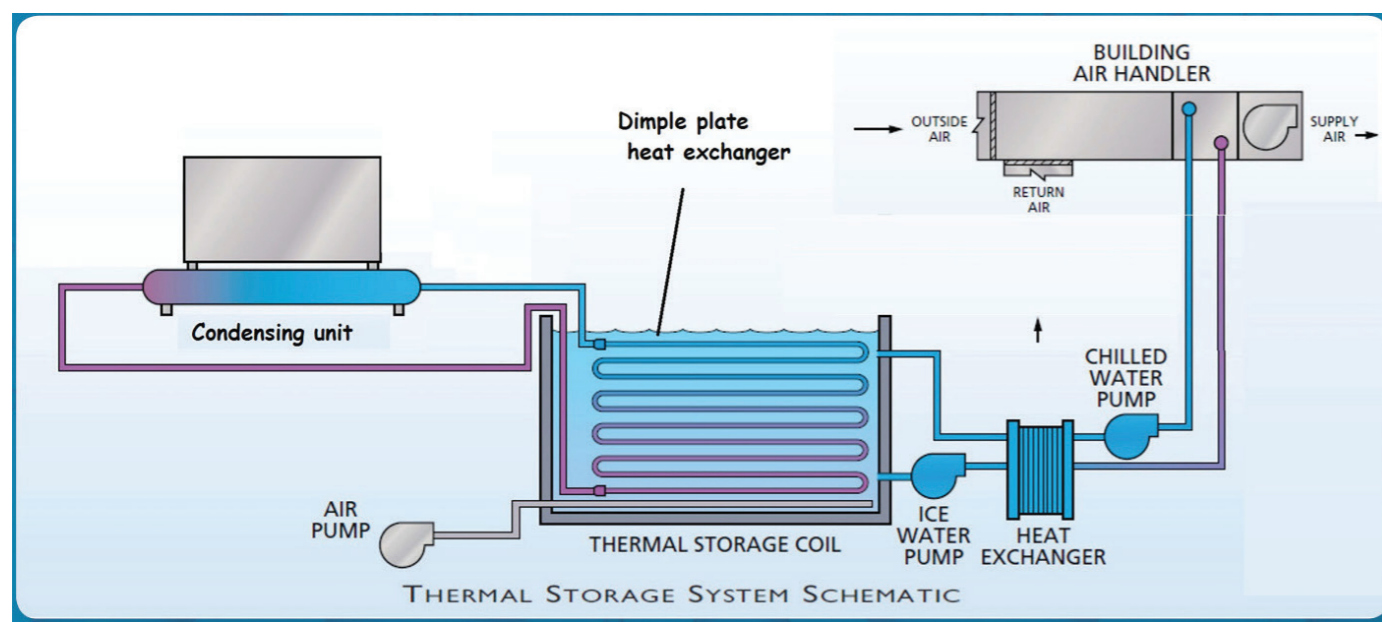
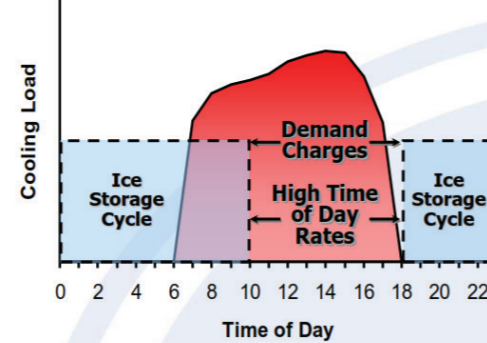
What is Ice Storage?

Ice Storage is the process of using a chiller or refrigeration plant to build ice during off-peak hours to serve part or the entire on-peak cooling requirement.

Typical Cooling Load Profile



Ice Storage Cycle



SAVINGS IN CAPITAL COST

- Reduce Chiller water pipe size
- Reduce AHU capacity by 20%
- Reduce Duct sizes by 20%
- Reduce electrical feeder sizes
- Building space savings

SAVINGS IN OPERATING COST

- Reduced chilled water pump operating cost by 40%
- Reduced operating cost of AHU fan motor by 50%
- Chiller motor operates at 100% capacity
- Handles increase in sudden cooling load efficiently.

ENERGY MULTIPLIER

Heating & cooling occupy very important place in your day to day operations & are responsible for substantial operating & capital costs.



Our solutions are designed to enable you to do so.

Money is usually spent on availing any one side of transaction while other side is allowed to go waste. If we somehow avail both sides of transaction & put into use, we end up saving big amounts of energy. This fact is the basis of our OFFGREEN range of energy conserving solutions.

Heat pump is a device that heats water by sourcing heat energy from any natural & renewable source of heat like atmospheric air, lakes, rivers, sea & underground GEO Heat Heat, moving it,