

SNS COLLEGE OF TECHNOLOGY, COIMBATORE-35 **DEPARTMENT OF MECHANICAL ENGINEERING**



16MEOE1-Solar Energy Utilisation – UNIT II NON CONCENTRATING COLLECTORS

Topic - Types and classification of solar collectors

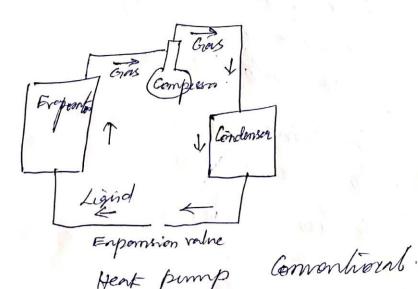
Heat pump.

A heart pump is a versatile, efficient Cooling and hearing System.

A heart pump can change the flow of refigerant and either heart or cool a home.

It provide Heat It provide Cooling operate on Electricity Cost effective

Enample: Refrigeratoss Air Conditioners





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r Refer gramt enters the Compressor in a gas form, where it is squeezed This forces the molecules closer together, raising the temp

The refrigerent Leaves the Compresses as a hot, high pressure gas, whom it then enters the Condenser and is converted into a liquid:

This is also the past of the air conditioner with the metals firs conditioner with the metals firs attached. This helps the refrigerent attached. This helps the refrigerent by release its heat more efficient by

The liquid passes through a very small hole into the evaporator, where the hole into the evaporator, where the pressure drops and it is converted pressure drops and it is converted back into a gas.

In doing so, it absorbs heart from the around our

The low Presence gas returns to the Compressor, where the cycle starts all over again.



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