

# ENY 153

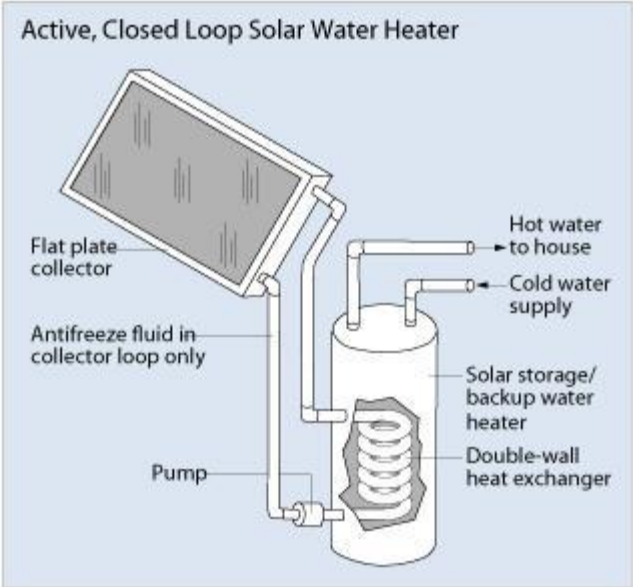
## Passive Solar Heating

# ENY 153

Why?

# ENY 153

How?



~OR~



## ENY 153



Plastic Panels

### Advantages:

- light, durable
- chemically inert
- rack-mounted (so slightly adjustable)

### Disadvantages:

- large # of connection points
- limited mounting locations

# ENY 153



## Rubber Formulation

### Advantages:

- flexible set up
- few installations points
- highly efficient
- all-weather

### Disadvantages:

- glued on
- not for use with rack installations
- 
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# ENY 153



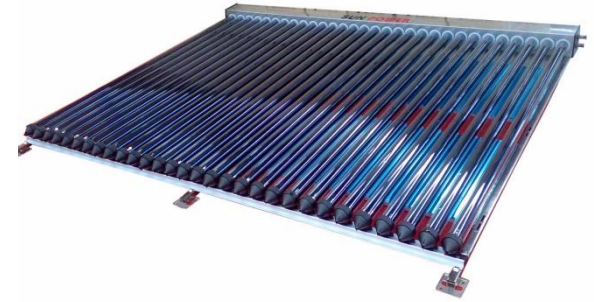
Metal Panels  
Tube, Fin

## Advantages:

- rigid, durable
- cold & wind OK
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## Disadvantages:

- lots of surface area
- no manufacturer's warranty
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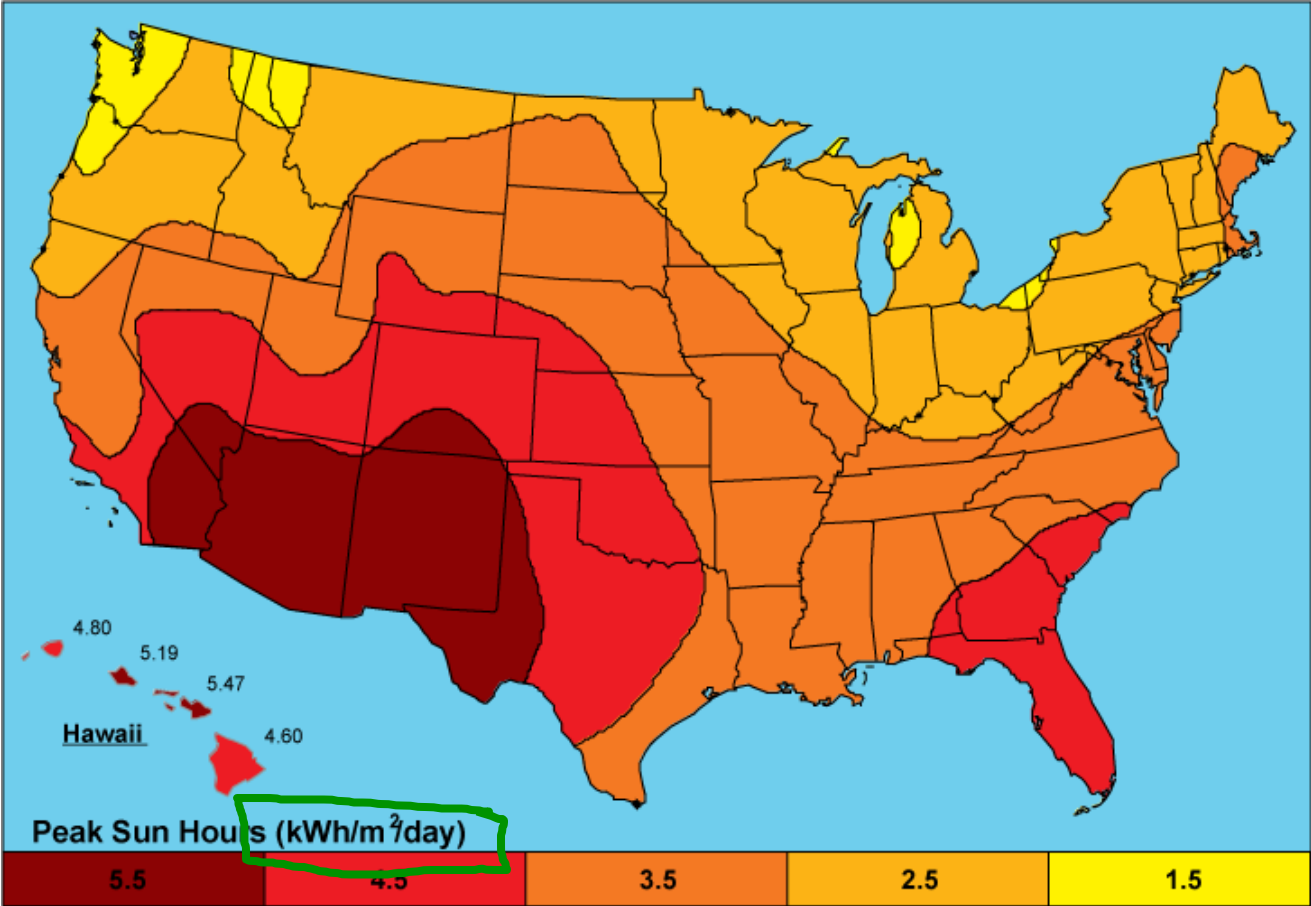
## Plastic Pipes

### Advantages:

- Inexpensive
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### Disadvantages:

- large surface area
- no manufacturer's warranty
- 
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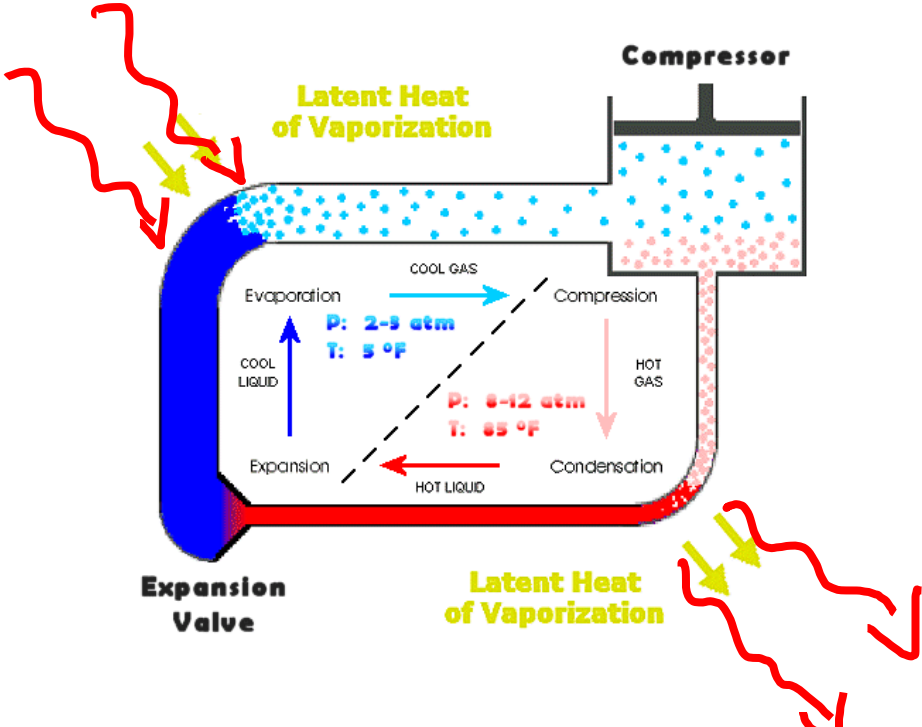
## Parabolic Trough



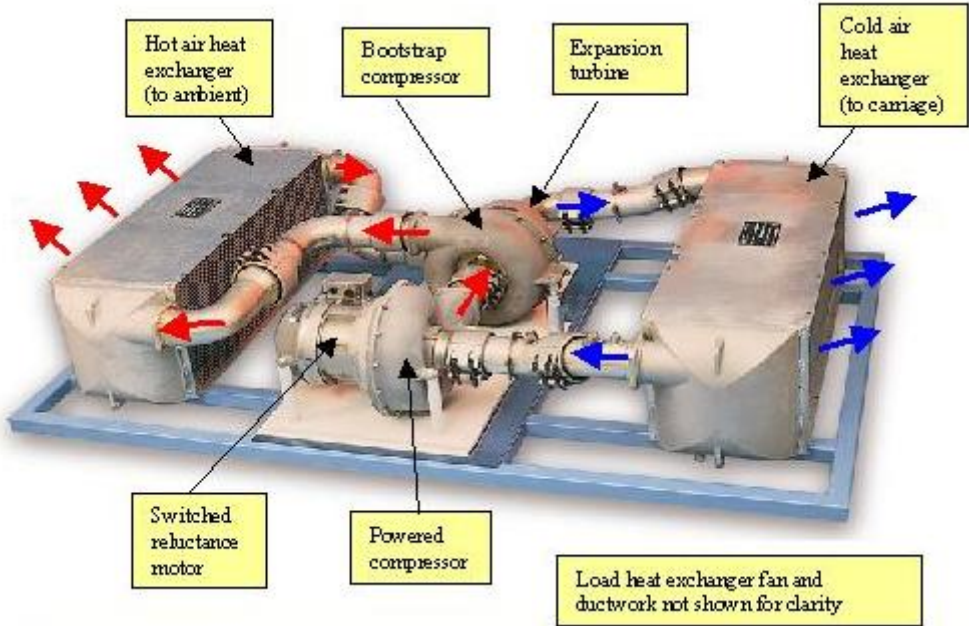
## HTF



# Refrigeration Cycle



# In other words...



absorb  
Absorption Chiller

Desiccant Evaporators  
evaporate