

Cooling

- Most cooling equipment is a heat pump
 - uses the interior as a source (collection) and
 - Outside as the sink (rejection)
- Other mechanical cooling systems (all described later)
 - Evaporative cooling
 - “Free cooling”
 - Use a source of cold air or water to absorb (collect) heat and remove to the exterior
 - Air-side economizer
 - Water-side economizer

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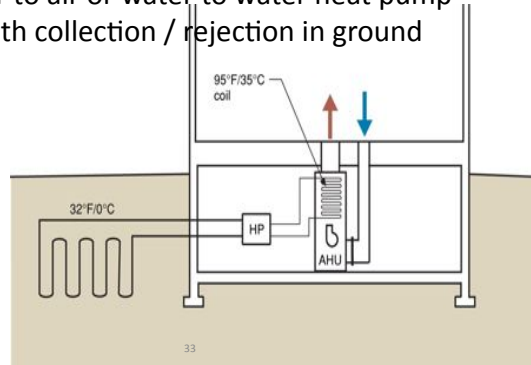
Heat Pump and Reject/Collect in same box

- Compressor, and DX coils in one enclosure



Ground Source Heat Pump

- A water to air or water to water heat pump with with collection / rejection in ground



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