

AIR-CONDITIONING MODEL

Cycle of Operation for Winter Air Conditioning:

- **Components:**

- **Filter:** This component filters the incoming air, removing dust and other particles before the air enters the system.
- **Recirculated Air:** This is the air that has already been conditioned and is recirculated back into the system for further conditioning.
- **Heater:** In winter air conditioning, the heater warms the incoming air to maintain a comfortable indoor temperature.
- **Reheated Air:** After passing through the heater, the air is reheated to the desired temperature.



Cycle of Operation for Summer Air Conditioning:

- **Components:**

- **Filter:** Similar to the winter cycle, the filter removes dust and particles from the incoming air.
- **Cooler:** In the summer cycle, the cooler reduces the temperature of the air, making it suitable for a comfortable indoor environment.
- **Recirculated Air:** As in the winter cycle, air that has been conditioned is recirculated back into the system.
- **Exhaust:** Excess air that has been conditioned but is not needed is expelled out of the system through the exhaust.