

# Industrial Chiller

An air-cooled chiller is a versatile cooling system designed to efficiently remove heat from various industrial processes or commercial applications using ambient air. Unlike water-cooled chillers that rely on water as a heat exchange medium, air-cooled chillers dissipate heat directly into the surrounding air.

These chillers are equipped with high-efficiency fans that draw ambient air across finned coils containing the refrigerant. As the air passes over the coils, heat from the refrigerant is transferred to the air, causing it to cool. The cooled refrigerant then circulates back into the system to absorb more heat, completing the cooling cycle. Air-cooled chillers are commonly used in settings where water availability or quality is limited or where installation of water-cooled systems is impractical. They are ideal for applications such as industrial process cooling, HVAC systems, data center cooling, and commercial refrigeration.

## Key Features:

- Air-cooled chillers efficiently remove heat from processes by transferring it to ambient air, ensuring effective cooling even in environments with high ambient temperatures.
- These chillers have a compact footprint, making them suitable for installations where space is limited.
- Air-cooled chillers do not require a separate cooling tower or water supply, simplifying installation and reducing upfront costs.
- Air-cooled chillers are self-contained units that include all necessary components such as compressors, condensers, fans, and controls, making them easy to integrate into existing systems.
- equipped with energy-efficient components including variable-speed compressors and fans, as well as advanced control systems, to optimize energy usage and reduce operating costs.
- With fewer components and no need for water treatment, air-cooled chillers generally require less maintenance compared to water-cooled systems.

## Options:

- Adjustable temperature control panel, alarm interface to warn users if the temperature goes higher or lower than what is set, fault checking



## Recommended Products this machine can cool:

Injection molding machines.  
Laser cutting machines.  
CNC machining centers.  
Plastic extrusion lines.  
Food processing equipment.  
Medical imaging equipment.  
HVAC systems.  
Semiconductor manufacturing equipment.

## Specifications:

200 lbs