



Axial Fan Freezer Room Condensing Unit Air cooled condenser for refrigeration unit

Our Product Introduction

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Basic Information

- Brand Name: Damai
- Certification: CE;ISO
- Model Number: DM-FNH
- Minimum Order Quantity: 1
- Price: \$200~\$100000
- Packaging Details: Wooden Case
- Delivery Time: 15 Work Days
- Payment Terms: T/T
- Supply Ability: 1000000pcs/year



Product Specification

- Origin: China
- Fin Thickness: 0.1 Mm
- Pressure Drop: Depends On Fin And Tube Type
- Inlet/Outlet Connection: 3/8 Inch
- Corrosion Resistance: Salt Spray Test Up To 1000 Hours
- Trademark: DM
- Fan Motor Power: 500W
- Fan Type: Axial Fan
- Highlight: **Air cooled condenser Freezer Room, Axial Fan Freezer Room Condensing Unit, Refrigeration Unit Freezer Room Condensing Unit**

Product Description

Product Description:

Components of an Air Cooled Heat Exchanger

One essential component of an air-cooled heat exchanger is the U-shaped tubes. These tubes play a crucial role in the heat transfer process by carrying the hot fluid through the exchanger.

Another important component is the fins, which are attached to the tubes to increase the surface area for better heat exchange efficiency. Axial fans are used to force air over the fins, facilitating the heat dissipation process. These fans are key in ensuring proper air circulation within the exchanger.

The fan motor powers the axial fans, providing the necessary energy to drive the airflow over the heat exchange surfaces.

The air inlet/outlet grilles control the airflow into and out of the exchanger, allowing for efficient heat transfer between the fluid inside the tubes and the ambient air.

Headers/manifolds are used to distribute the hot and cold fluids to the U-shaped tubes, ensuring uniform heat exchange throughout the exchanger.

A support frame holds all the components together, providing structural stability and support for the entire heat exchanger system.

Deflector plates are installed to guide the airflow over the fins in a specific direction, optimizing heat transfer and enhancing the performance of the heat exchanger.



Features:

Advantages

- 1. Compact Design:** The U-shaped tube layout minimizes space requirements while maximizing heat transfer surface area, ideal for installations with limited space.
- 2. Water-Free Operation:** No water consumption or complex water circulation systems, making them environmentally friendly and suitable for arid regions.
- 3. Versatility:** Suitable for diverse applications, from small HVAC systems to large industrial refrigeration.
- 4. Durability:** Corrosion-resistant materials (e.g., aluminum fins, galvanized steel casing) ensure reliability in harsh environments.



Technical Parameters:

Main Parameters

Temperature: 0~10°C and -15~-25°C

Nominal heat exchange capacity: 17200~62000

Fan diameter: 400~550mm

Voltage: 380V/220V

Refrigerant: R404A-R507A*R22

Applications:

Product Applications

- 1. Commercial HVAC Systems:** Installed in office buildings, shopping malls, and hotels for air conditioning and heat pump systems.
- 2. Industrial Refrigeration:** Used in food processing plants, cold storage warehouses, and beverage factories to maintain low temperatures.

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- 3. **Data Centers:** Provides cooling for server racks and IT equipment.
- 4. **Renewable Energy Systems:** Integrated into solar-powered cooling systems or geothermal heat pumps.
- 5. **Medical Facilities:** Cools MRI machines, laboratory equipment, and pharmaceutical storage units.
- 7. **Residential Heat Pumps:** Supports heating and cooling in homes, especially in regions with extreme climates.
- 8. **Agricultural Storage:** Preserves perishable goods like fruits, vegetables, and flowers in cold storage facilities.
- 9. **Petrochemical Plants:** Cools equipment and processes in refineries or chemical production lines.



Customization:

Product Customization Services for H-Type Air Cooled Condenser

Air Cooled Fnh Refrigeration Condenser for Cold Storage

Air Condenser Cooler

Brand Name: Damai

Model Number: DM-FNH

Place Of Origin: China

Packaging Details: Wooden Case

Delivery Time: 15 Work Days

Payment Terms: T/T

Supply Ability: 1000000pcs/year

Color: Customization

Inlet/Outlet Connection: 3/8 Inch

Usage: For Refrigeration Unit

Corrosion Resistance: Salt Spray Test Up To 1000 Hours

Power Consumption: 1000 W

FAQ:

Q: What is the brand name of the Air Cooler Condenser?

A: The brand name is Damai.

Q: What is the model number of the Air Cooler Condenser?

A: The model number is DM-FNH.

Q: Where is the Air Cooler Condenser manufactured?

A: The Air Cooler Condenser is manufactured in China.

Q: What are the accepted payment terms for purchasing the Air Cooler Condenser?

A: The accepted payment terms are T/T



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