

# Air-Cooled Condenser for Refrigeration Systems

High-efficiency air-cooled condensers are designed for refrigeration and freezer applications. These condensers feature copper tubes and aluminum fins for optimal heat transfer.



## Overview

### High-Performance Air-Cooled Condenser

This air-cooled condenser is engineered for superior heat transfer in commercial and industrial refrigeration systems. Featuring a robust copper tube and aluminum fin construction, it utilizes a mechanical tube expanding process to ensure durability and efficiency. Designed to support a wide range of refrigerants, this unit offers flexible configuration options including adjustable fin pitches and various tube diameters to meet specific cooling requirements.

## Technical Specifications

### Available Tube Diameters

- 7mm
- 7.94mm
- 9.52mm
- 15.88mm

### Tube Type

Inner Grooved • Smooth

### Fin Coating

Hydrophilic • Bare

### Materials

Copper, Aluminum, Galvanized Plate

### Fin Types

Louver Fin, Flat Fin, Corrugated Fin

## Performance & Compatibility

### Pressure Test Performance

**3 MPA**

Air Pressure (Nitrogen) Test

### Compatible Fan Types

- Micro fan
- Shaded pole motor
- Outer rotor fan motor

### Compatible Refrigerants

R134a, R22, R404a, R407c

## Design Parameters

### Geometry Specifications

Parameter	Value/Range
Fin Pitch	1.8 - 5.8 mm
Hole/Row Pitch Options	25x21.65mm, 19.05x12.7mm, 25.4x22mm
Arrangement	Equilateral triangle