

# ORIENT Inverter AC Error Codes

Category: air conditioner

written by [www.mbsm.pro](http://www.mbsm.pro) | 9 January 2026



## Model : Inverter AC

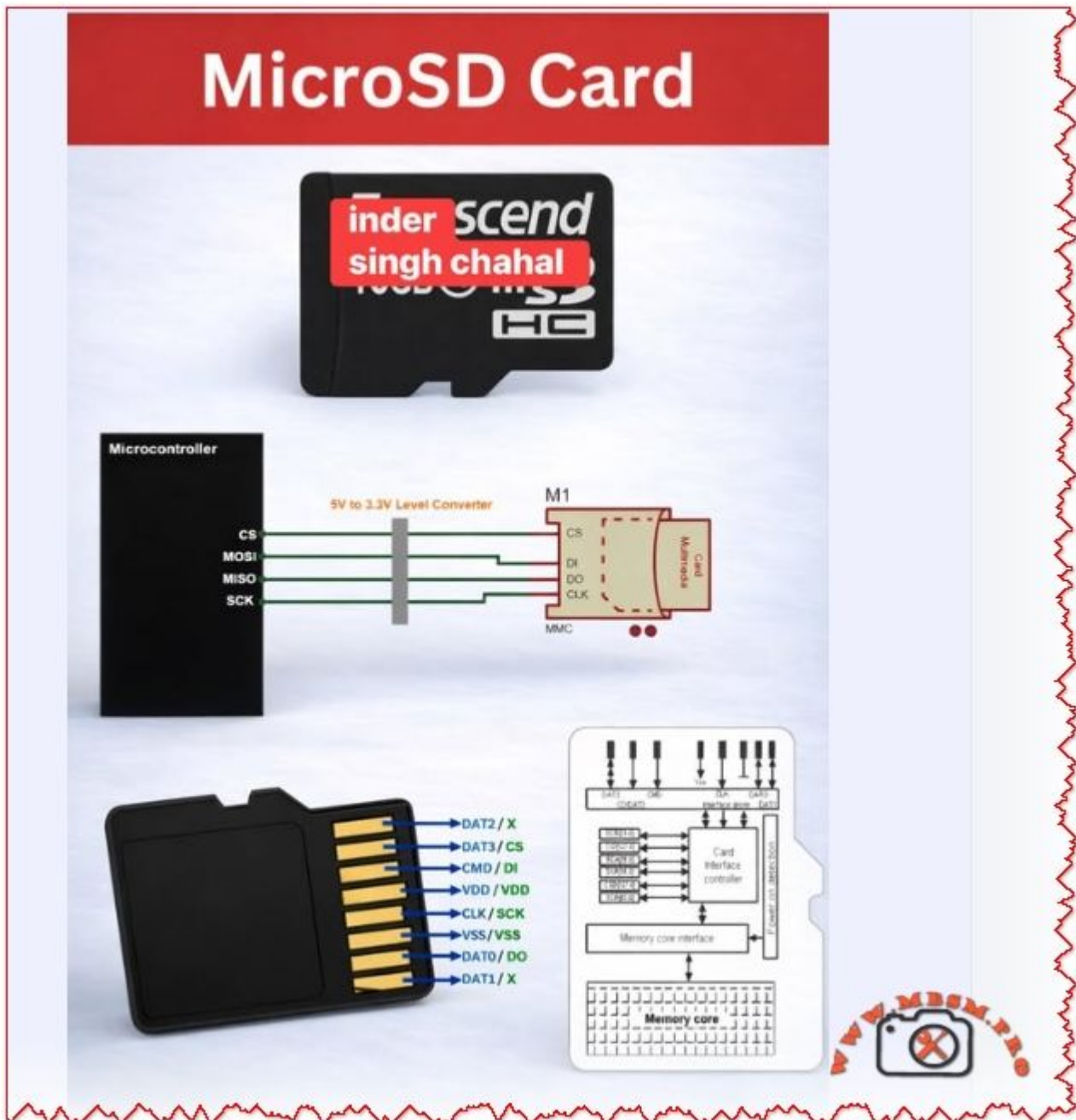
Error Code	Faults
E1	Room Temperature sensor faulty
E2	Outdoor coil temperature sensor fault
E3	Indoor coil temperature sensor fault
E4	Indoor fan motor or DC Motor feedback fault
E5	Indoor & Outdoor communication error
E6	Sliding door fault
E8	Display board and main control board communication error
E9	Humidity sensor failure
EA	Indoor fan zero crossing detection fault
Eb	Indoor EEPROM fault
F0	Outdoor DC Fan motor fault
F1	IPM modular fault
F2	PFC modular fault
F3	Compressor operation fault
F4	Exhaust temperature sensor fault
F5	Compressor top cover protection
F6	Outdoor ambient temperature sensor fault
F7	Over / under voltage protection
F8	Outdoor modular communication fault
F9	Outdoor EEPROM fault
FA	Suction temperature sensor fault
Fb	Indoor DC motor fault (Floor standing)
FC	Four way valve switching fault
Fd	Outdoor fan zero crossing detection fault
P2	High voltage protection
P3	Lack of fluid protection
P4	Outdoor coil prevent overload protection
P5	Exhaust protection
P6	Protection from high temperature
P7	Anti freezing protection

Discover comprehensive troubleshooting for ORIENT inverter AC systems. This complete error code guide covers E-series, F-series, P-series, and L-series fault codes with detailed solutions for sensor issues, communication failures, compressor problems, and electrical protection systems affecting your cooling performance.

# MicroSD cards connect to microcontrollers over SPI or SDIO

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[Mbsmpro.com](http://Mbsmpro.com), MicroSD Interface, SPI Wiring, CS MOSI MISO SCK, 3.3V Level

# Typical forward voltages vary by LED color

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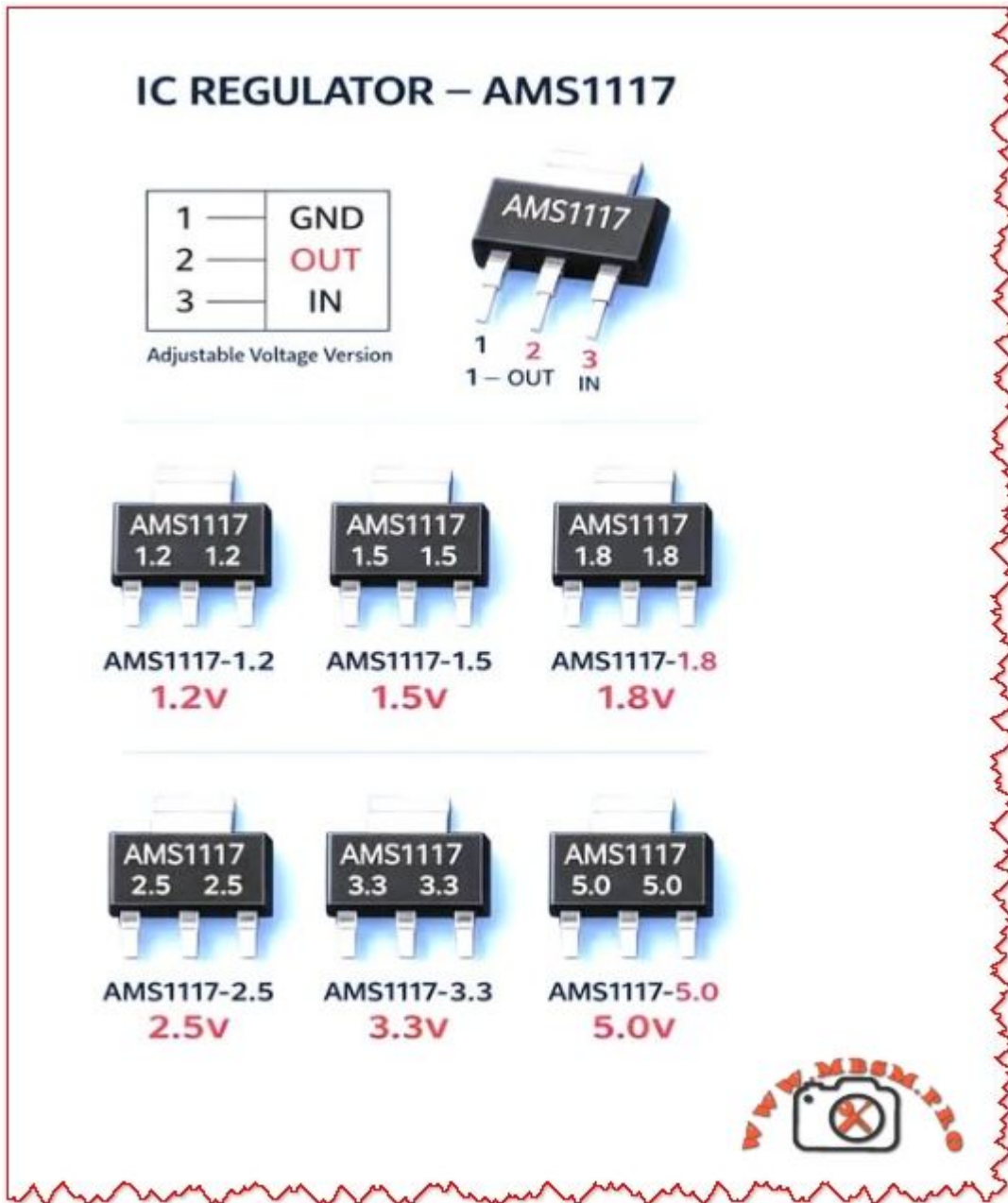
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[Mbsmpro.com](http://Mbsmpro.com), LED Forward Voltage Chart, Red Green Blue White Yellow Orange, Vf Ranges, Resistor Calculation, Driver Selection

# AMS1117 Voltage Regulator

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Mbsmpro.com, AMS1117 Voltage Regulator, Common Mistakes, Thermal Design, 1.2V–5.0V, Decoupling, Layout, Alternatives

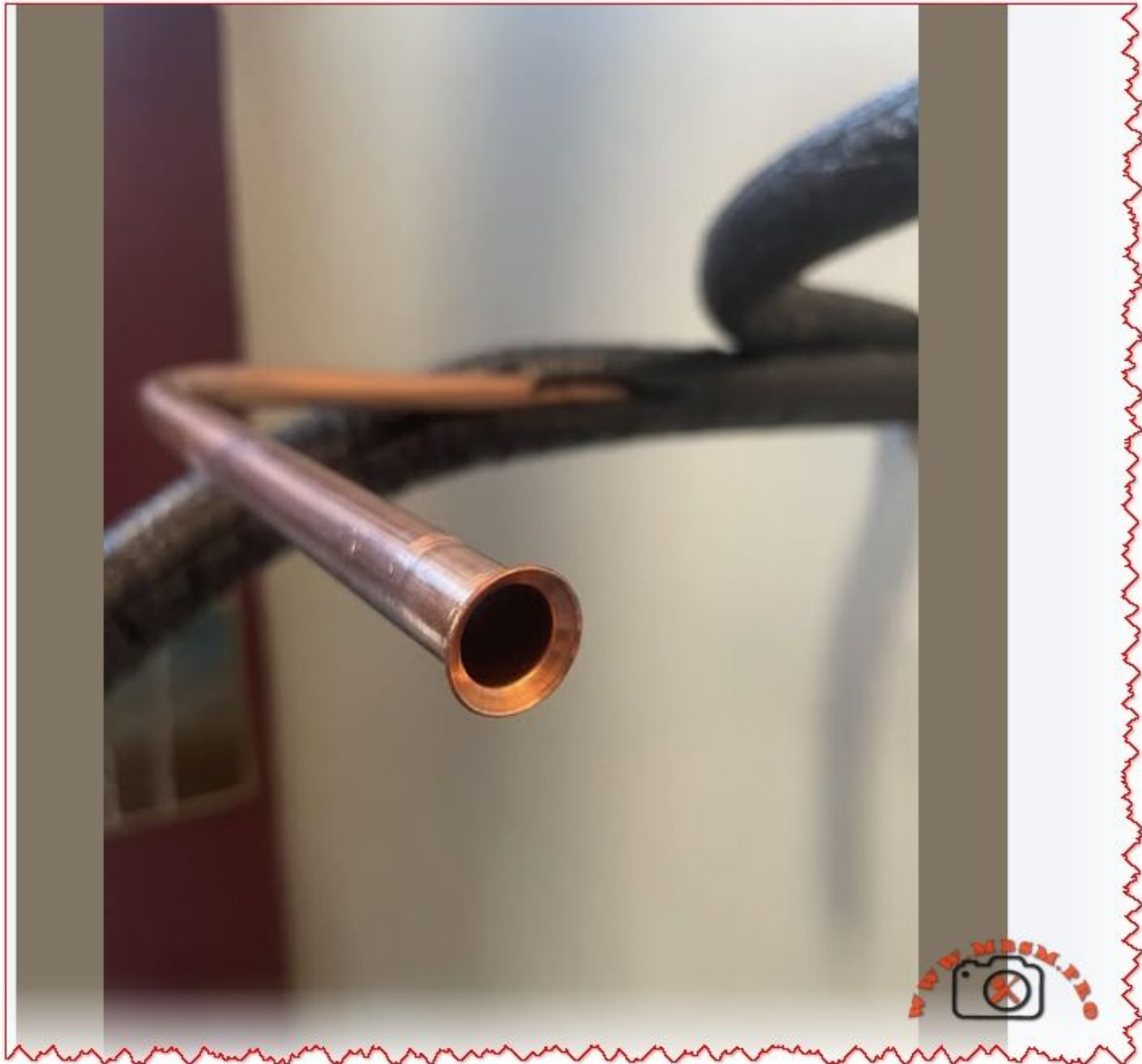
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## Copper Pipe Flaring: Common Mistakes and How to Avoid Them in HVAC and

# Plumbing Installations

Category: Refrigeration

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Mbsmpro.com, Copper Pipe, Flaring, HVAC, Plumbing, R600a, Mini-Split, Leak Prevention, Soft Copper, Flaring Block, 1/4", 3/8", 1/2", 5/8", Refrigerant Line

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## Embraco FMXY9C Compressor: R600a, 1/6 HP

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Mbsmpro.com, Compressor, FMXY9C, Embraco, R600a, 1/6 hp, Cooling, 220-240V, 1Ph 50Hz, LBP, Fullmotion, Inverter, -35°C to -10°C, CE UL, Austria

## Mechanical Defrost Timer LUF0 HPT-02: Wiring

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The LUFO HPT-02 mechanical timer alternates between defrost and cooling cycles in refrigeration systems. Rated at 120 VAC and 15A, it offers reliable control with a simple 4-terminal wiring setup.

## Jiaxipera VTH1113Y Compressor: R600a

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**What refrigerant  
use this fridge  
compressor** 🤔

**Ashik** 🤔



**How many HP this  
compressor** 🤔

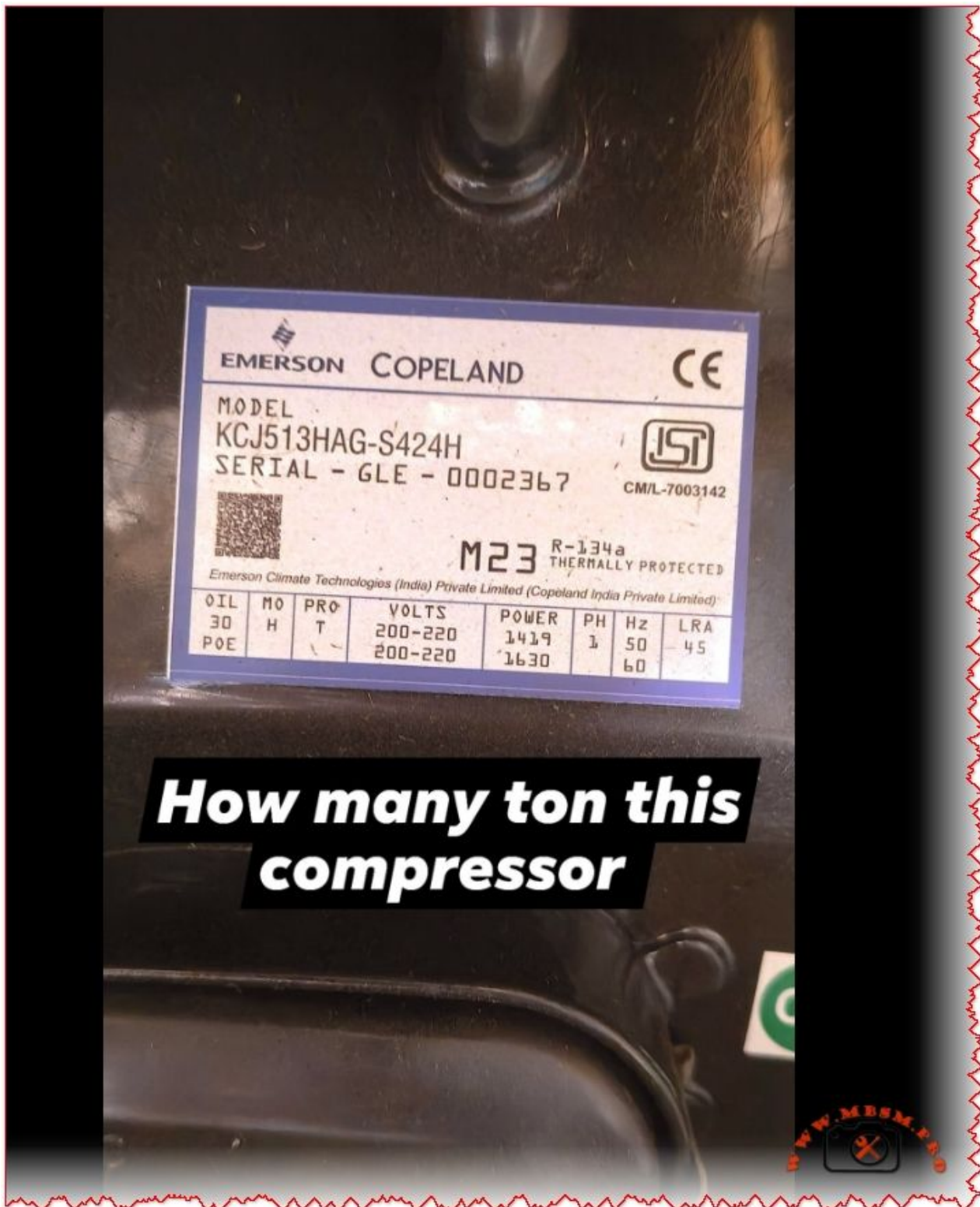
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Jiaxipera VTH1113Y is a high-efficiency inverter compressor using R600a refrigerant. Designed for LBP applications, it operates on 220-240V and offers quiet, reliable cooling for household refrigerators.

# Champion of HBP: Copeland KCJ513HAG-S424H

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The Copeland KCJ513HAG-S424H is a powerhouse 1.2 HP compressor designed for high-demand cooling. Built for R134a applications like large water coolers and AC units, it delivers 12,300 Btu/h reliability. This guide covers its CSCR

electrical setup, 38cc displacement, and how it compares to Tecumseh alternatives.

## R134a vs. R600a Compressor Conversion

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Switching from R134a to R600a requires more than just changing the gas. This guide explains the critical “Displacement Rule”—why R600a compressors need nearly double the cylinder volume of R134a units to produce the same cooling. We cover charge calculation (45% rule), oil compatibility, and safety protocols for the modern artisan.