

# Typical forward voltages vary by LED color

Category: Electronic

written by [www.mbsm.pro](http://www.mbsm.pro) | 8 January 2026



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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

Category: Equipment

written by [www.mbsm.pro](http://www.mbsm.pro) | 8 January 2026

## IC REGULATOR – AMS1117



Adjustable Voltage Version



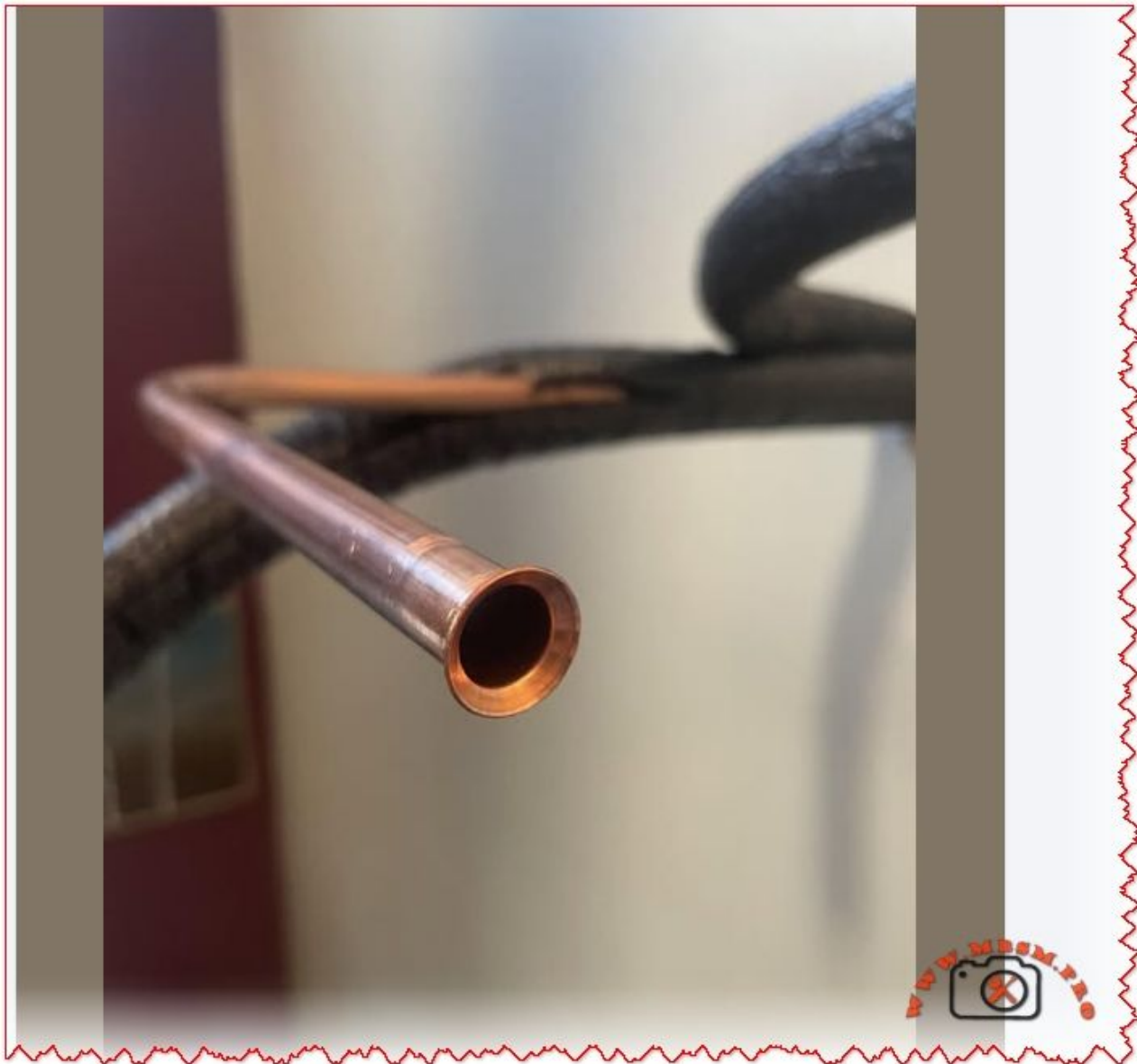
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Mbsmpro.com, AMS1117 Voltage Regulator, Common Mistakes, Thermal Design, 1.2V–5.0V, Decoupling, Layout, Alternatives

# 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

## 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

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## Mechanical Defrost Timer LUF0 HPT-02: Wiring

Category: Refrigeration

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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

Category: Refrigeration

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**What refrigerant  
use this fridge  
compressor** 🤔

**Ashik** 🤔



**How many HP this  
compressor** 🤔

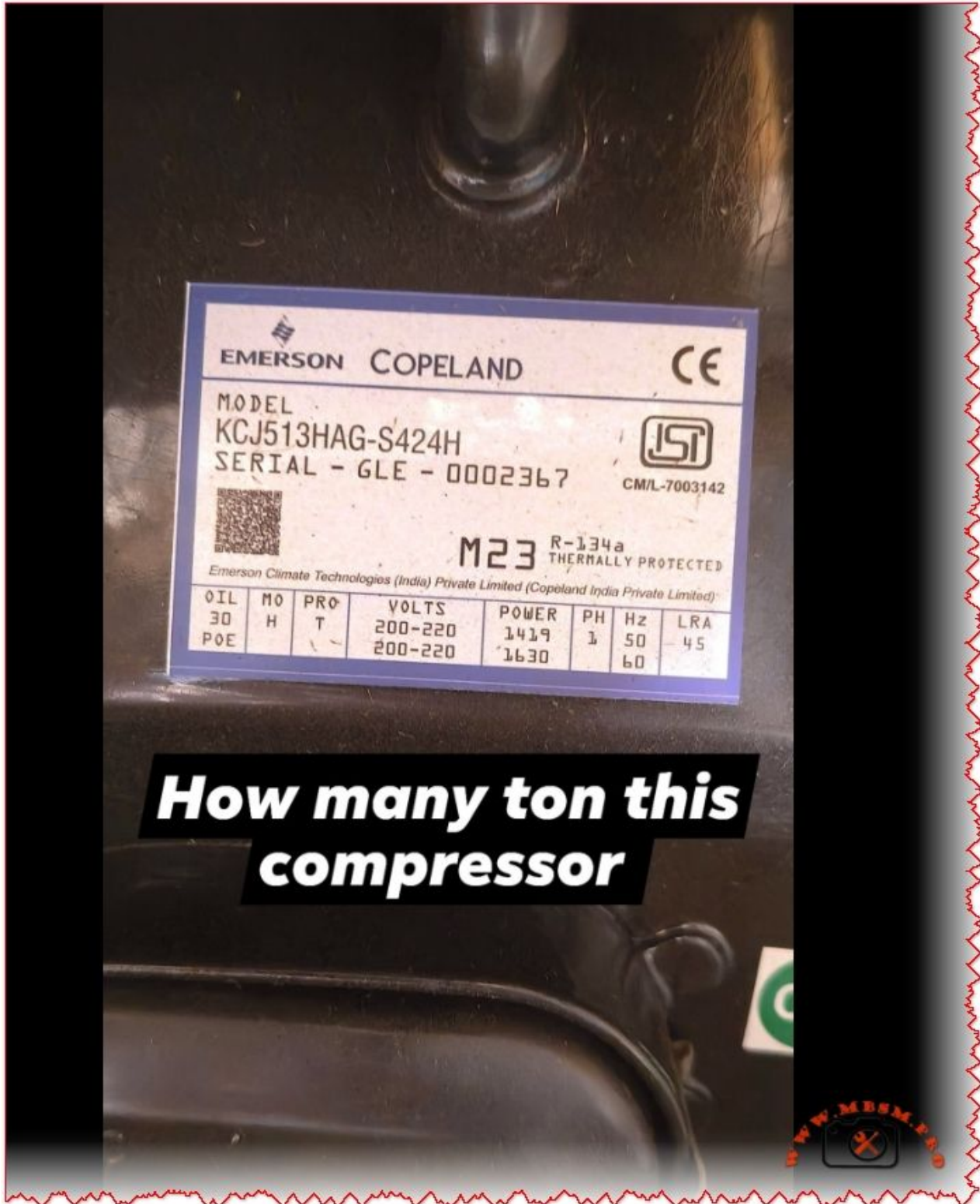
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Jiaxipera VTH1113Y is a high-efficiency inverter compressor using R600a refrigerant. Designed for LBP applications, it operates on 220-240V and offers quiet, reliable cooling for household refrigerators.

# Champion of HBP: Copeland KCJ513HAG-S424H

Category: Refrigeration

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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.

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# 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.

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## Embraco NEU2178GK, compressor

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The Embraco NEU2178GK is the definitive choice for 1 HP commercial freezing applications. Featuring a robust CSR motor and 16.8cc displacement, this R404A compressor delivers high starting torque for demanding environments. This guide details the electrical requirements, installation tips, and how it compares to Secop and Tecumseh alternatives.

# Fitco Wired & Wireless Smart Kit

Category: Equipment

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Mbsmpro.com, Fitco AC Wired Controller, Remote Kit, WiFi Ready, Smart HVAC Control, Universal Split AC, Thermostat Upgrade