

Copeland CS16K6E-PFZ-155 Compressor

Category: Refrigeration

written by www.mbsmpro.com | January 5, 2026



The Copeland CS16K6E-PFZ-155 is a high-efficiency hermetic reciprocating compressor designed for commercial refrigeration. Operating at 220-240V and 50Hz, this 1.25 HP powerhouse is optimized for R404A and R507 refrigerants. Known for its durability in medium-temperature applications, it features POE oil and thermal protection, making it a reliable choice for cold rooms and professional cooling systems.

Compressor, LG, BMH089NHMV, 1/4 hp

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written by www.mbsmpro.com | January 5, 2026



The LG BMH089NHMV is a 1/4 HP inverter compressor utilizing R600a refrigerant for high-efficiency refrigeration. With a variable speed range of 60-225 Hz and a displacement of 8.9 cc/rev, this BLDC motor unit provides precise cooling capacity up to 188W, making it ideal for modern household and commercial LBP applications.

Compressor, Embraco, PW 5.5 K11W, 1/6 hp

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The Embraco PW 5.5 K11W is a 1/6 HP Low Back Pressure (LBP) compressor designed for R12 refrigeration systems. Known for its reliability and dual-frequency 50/60Hz operation, this Brazilian-made unit delivers 133W of cooling capacity. Explore our deep dive into its electrical specifications, performance tables, and comparison with modern HVAC cooling alternatives.

[Embraco EGAS70HLC Compressor](#)

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written by www.mbsmpro.com | January 5, 2026



The Embraco EGAS70HLC stands out as a reliable hermetic piston compressor designed for low back pressure (LBP) applications using R134a refrigerant. Rated at 220-240V 50Hz single phase, it delivers around 61W cooling capacity with 1.5A LRA and RSIR starting. Built in Brazil by J.G Therm, model C 796173 ensures durable performance in freezing units from -30°C to -10°C.

[1N4728, 1N4729, 1N4730, 1N4731, 1N4732, 1N4733, 1N4734, 1N4735, 1N4736, 1N4737, Zener diode](#)

Category: Electronic

written by www.mbsmpro.com | January 5, 2026

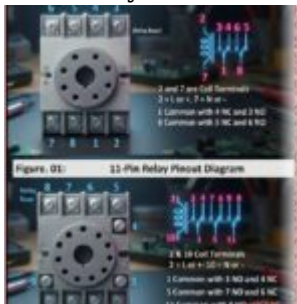


Zener diodes like the 1N4728A thru 1N4737A series deliver reliable voltage regulation from 3.3V to 7.5V at 1W power. Engineers rely on these for stabilizing circuits in power supplies and protection setups. Check the full voltage chart and specs below for your next project. (55 words)

8-pin and 11-pin relay bases are common in control panels

Category: Global Electric

written by www.mbsmpro.com | January 5, 2026



8-pin and 11-pin relay bases are common in control panels, but miswiring coil and contact terminals can burn a load or keep a circuit from switching. This guide explains each pin function, shows practical wiring logic for NO/NC contacts, and compares 8-pin DPDT sockets with 11-pin 3PDT sockets for automation work in HVAC retrofits today.

Gas Charging or Vacuuming

Category: Refrigeration

written by www.mbsmpro.com | January 5, 2026



The copper tube assembly shown is a service charging valve on the liquid line of a small hermetic refrigeration unit. This single access point can be used for deep vacuum and for refrigerant charging, depending on the connected equipment. Understanding when the technician is vacuuming and when charging is critical for reliability.

BASIC TN1900 Refrigerator Compressor

Category: Refrigeration

written by www.mbsmpro.com | January 5, 2026



The BASIC TN1900 represents a medium-displacement hermetic reciprocating compressor engineered for low back pressure refrigeration applications. This Syrian-manufactured unit operates on R134a refrigerant with 220-240V 50/60Hz power supply, delivering 200-250W cooling capacity at -30°C to -10°C evaporating temperatures with RSIR motor technology

HITACHI FL20S88NAA Compressor

Category: Refrigeration

written by www.mbsmpro.com | January 5, 2026



The HITACHI FL20S88NAA 0.75 HP hermetic scroll compressor delivers 256W cooling capacity at 50Hz, utilizing HFC-134a refrigerant for household refrigerator-freezer applications. This LBP-classified unit operates reliably at 220-240V with RSIR starting method, integrated into Sharp's SJ-PT73R-HS3 model offering 662-liter gross capacity with Hybrid Cooling System and Plasmacluster technology.

Transformer, WDB4109, 220V 50Hz, Microwave Standby Power

Category: Electronic

written by www.mbsmpro.com | January 5, 2026



The WDB4109 is a compact linear transformer used as the standby power source in many Samsung microwave ovens, converting 220 V - 230 V AC to 16.33 V and dual 5.47 V outputs for the control board. It is critical for powering the clock, keypad, relays and low-voltage electronics safely.