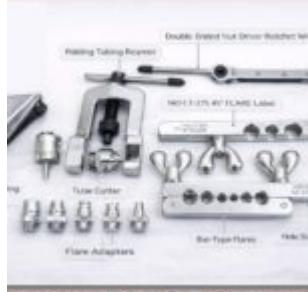


NOCT-27545 & NRVT35-275 Tool Guide

Category: Equipment

written by www.mbsmpro.com | January 8, 2026



The NOCT-27545 ratchet wrench and NRVT35-275 flaring tool represent specialized HVAC instrumentation. This guide explains their functions, from creating perfect 45° flares to reaming tubing and driving fasteners in tight spaces, ensuring leak-free, professional installations.

DIY 1000W AC Voltage Regulator, BT136 TRIAC

Category: Electronic

written by www.mbsmpro.com | January 8, 2026



Achieve total control over your workshop machinery with the 1000 Watt AC dimmer circuit featuring the BT136 TRIAC. This professional-grade regulator is designed for 220V applications, allowing you to fine-tune the RPM of angle grinders and bench grinders. Explore our detailed component analysis and safety comparisons to build your own high-efficiency power controller today.

Danfoss hermetic compressors capillary

sizing chart

Category: Refrigeration

written by www.mbsmpro.com | January 8, 2026

DENFOSS COMPRESSOR				
Capacity (cfm)	Capacity (kN)	Oil	HP (non-reversing)	Compressor F.C.
4 Feet	0.26	150 ms	1/14	T12A
4 Feet	0.36	150 ms	1/12	T12A
4 Feet	0.46	150 ms	1/12	T12B
4 Feet	0.56	150 ms	1/14	PW15K1
8 Feet	0.96	175 ms	1/16	PW15K1
8 Feet	0.99	175 ms	1/16	T12B
7.5 Feet	0.99	300 ms	1/16	T14A
7.5 Feet	2.22	300 ms	1/16	PW15K1
7.5 Feet	2.22	220 ms	1/16	PW15K1
7.5 Feet	0.88	220 ms	1/16	PW15K11
7.5 Feet	0.88	220 ms	1/16	PW15K11
8 Feet	0.31	220 ms	1/16	T12A
8 Feet	0.31	220 ms	1/16	PW15K11
9 Feet	0.31	250 ms	1/16	PW15K11
9 Feet	0.31	350 ms	1/16	T14A
10 Feet	0.31	375 ms	1/16	F10B
10 Feet	0.31	375 ms	1/16	F10B
10 Feet	0.31	500 ms	1/16	F10B
10 Feet	0.31	500 ms	1/16	F10B

Technicians match Danfoss compressors to systems using precise capillary tube lengths from 4 to 10 feet, paired with specific oil charges like 150 ml for 1/12 HP models. Capillary numbers 0.26 to 0.31 ensure optimal refrigerant flow in LBP setups.

Spot Welding Machine Circuit

Category: Equipment

written by www.mbsmpro.com | January 8, 2026



Fabricators rely on the classic spot welding machine circuit featuring a half-wave rectifier for reliable AC-to-DC conversion. A heavy-duty step-down transformer boosts current for nugget formation, while an adjustable timer controls squeeze, weld, and hold phases precisely.

Mitsubishi Electric PUHY-P250YKH-TH

Category: Refrigeration

written by www.mbsmpro.com | January 8, 2026



The Mitsubishi Electric PUHY-P250YKH-TH stands out as a powerful 25HP outdoor unit in the City Multi VRF series, designed for large-scale commercial HVAC applications. Featuring R410A refrigerant, it delivers 22.4 kW nominal cooling and 25.0 kW heating capacity with top-tier efficiency.

Compressor, FN66Q11G, 1/6 hp

Category: Refrigeration

written by www.mbsmpro.com | January 8, 2026



The Matsushita FN66Q11G is a highly reliable 1/6 hp reciprocating compressor designed for low back pressure applications. Operating on 220-240V at 50Hz, this R12-based unit was manufactured in Singapore and is known for its long-lasting performance in domestic refrigerators. Learn about its cooling capacity, amperage, and modern replacement options in this comprehensive technical guide.

Copeland CS16K6E-PFZ-155 Compressor

Category: Refrigeration

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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

Category: Refrigeration

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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

Category: Refrigeration

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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

Category: Refrigeration

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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.