

[Blue Star Inverter AC Error Codes](#)

Category: Refrigeration

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



Blue Star inverter ACs display error codes to help technicians diagnose faults quickly. This guide covers models BO-IC312YATU, BO-IC318YBTU, and BO-IC324YATU, offering tables, comparisons, and expert advice.

[HVAC Valve Cores](#)

Category: Refrigeration

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



Excerpt: Valve cores are vital for HVAC and refrigeration systems. This guide explores Schrader valve types, pressure ratings, material choices, and engineering tips for optimal performance and leak prevention.

[Flaring Tool Guide](#)

Category: Equipment

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



A bar-type flaring tool is essential for creating leak-proof connections in copper tubing. Its multiple size openings handle various tube diameters, while the adjustable T-handle provides precise control. This guide covers proper technique, common mistakes, and tool selection.

[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.

[Compressor, NE3121A, 1/4 hp++, Embraco](#)

Category: Refrigeration

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



The Embraco NE3121A is a high-performance commercial refrigeration compressor designed for

R134a systems. Operating at 115V/60Hz, it features a 1.49 RLA and a 7.45 LRA. This CSIR motor is ideal for high back pressure applications, offering reliability for beverage coolers and display cases. Learn the essential electrical data and maintenance tips for this unit.

[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

DANFOSS COMPRESSOR				
Capillary Length	Capillary No.	HP	Oil (Ounces)	Compressor No.
4 Feet	0.26	1/20 HP	1/32	7L2A
4 Feet	0.26	1/20 HP	1/32	7L2.5A
4 Feet	0.26	1/20 HP	1/32	7L2.0B
4 Feet	0.26	1/20 HP	1/32	7PWS08
4 Feet	0.26	1/20 HP	1/32	7PWS07
4 Feet	0.26	1/20 HP	1/32	7L3B
7.5 Feet	0.26	2/30 HP	1/8	7L4A
7.5 Feet	0.26	2/30 HP	1/8	7PWS09
7.5 Feet	0.26	2/30 HP	1/8	7PWS09
7.5 Feet	0.26	2/30 HP	1/8	7PWS11
7.5 Feet	0.26	2/30 HP	1/8	7PWS12
8 Feet	0.31	2/30 HP	1/8	7L5A
8 Feet	0.31	2/30 HP	1/8	7PWS11
8 Feet	0.31	2/30 HP	1/8	7PWS10
8 Feet	0.31	2/30 HP	1/8	7PWS12
10 Feet	0.31	2/30 HP	1/8	7PWS13
10 Feet	0.31	2/30 HP	1/8	7PWS14
10 Feet	0.31	2/30 HP	1/8	7PWS15
10 Feet	0.31	2/30 HP	1/8	7PWS16

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.