

Blue Star Inverter AC Error Codes

Category: Refrigeration

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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

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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.

Compressor, NE3121A, 1/4 hp++, Embraco

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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.

Danfoss hermetic compressors capillary sizing chart

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DENFOSS COMPRESSOR				
Capacity (cfm)	Capacity (Nl/min)	Oil	HP (horsepower)	Compressor No.
4 Feet	120	150	1/4	112A
4 Feet	120	150	1/2	112A
4 Feet	120	150	1/2	112.08
4 Feet	120	150	1/4	112A
6 Feet	195	235	1/10	PW5-SK7
6 Feet	195	235	1/10	TL5B
7.5 Feet	220	260	1/10	TL5B
7.5 Feet	220	260	1/10	PW5-SK8
7.5 Feet	220	260	1/10	PW5-SK9
7.5 Feet	220	260	1/10	PW5-SK11
7.5 Feet	220	260	1/10	TL5B
8 Feet	310	380	1/10	TL5A
8 Feet	310	380	1/10	PW5-SK11
9 Feet	390	480	1/10	PW5-SK9
9 Feet	390	480	1/10	TL5B
10 Feet	420	520	1/10	TL5B
10 Feet	420	520	1/10	PW5-SK4
10 Feet	420	520	1/10	PW5-SK5

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.

Mitsubishi Electric PUHY-P250YKH-TH

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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

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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

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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

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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

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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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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.