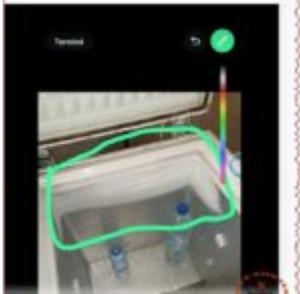


[The 5 Pillars of Refrigeration Diagnosis: Professional HVAC](#)

Category: Refrigeration

written by www.mbsmpro.com | January 11, 2026



Professional HVAC technicians rely on five critical diagnostic pillars: suction pressure, discharge pressure, superheat, subcooling, and saturation temperature relationships. Mastering these five measurements eliminates guesswork, accurately identifies refrigeration problems, and ensures proper system troubleshooting without expensive callbacks or equipment damage.

[SECOP SC21G COMPRESSOR](#)

Category: Refrigeration

written by www.mbsmpro.com | January 11, 2026



Secop SC21G is a high-performance hermetic reciprocating compressor designed for commercial refrigeration and freezing applications using R134a refrigerant. This guide covers detailed specifications, technical parameters, and installation requirements for 220-240V/50Hz systems at up to 1.3 amperes.

[Samsung MSE4A1Q-L1G AK1, hermetic](#)

[reciprocating refrigerator compressor](#)

Category: Refrigeration

written by www.mbsmpro.com | January 11, 2026



The Samsung MSE4A1Q-L1G AK1 is a hermetic reciprocating refrigerator compressor designed for domestic LBP applications with R600a refrigerant and a nominal cooling capacity around 175-180 W at ASHRAE conditions, equivalent to roughly 1/4 hp. Engineers value this model for its efficient RSCR motor and robust design.

[HVAC Basics: Compressors, Ducts, Filters, and Real-World Applications](#)

Category: Refrigeration

written by www.mbsmpro.com | January 11, 2026



HVAC basics start with understanding how compressors, ducts, and filters work together to move heat and clean air in any building. From reciprocating and scroll compressors to rectangular and circular ducts, each choice affects comfort, energy efficiency, and reliability in residential, commercial, industrial, and data center applications.

[Copper Pipe Flaring: Common Mistakes and](#)

[How to Avoid Them in HVAC and Plumbing Installations](#)

Category: Refrigeration

written by www.mbsmpro.com | January 11, 2026



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](#)

Category: Refrigeration

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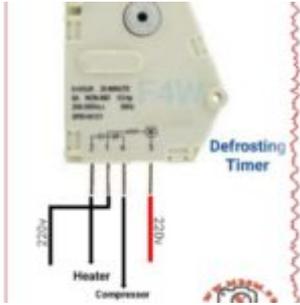


Mbsmpro.com, Compressor, FMXY9C, Embraco, R600a, 1/6 hp, Cooling, 220-240V, 1Ph 50Hz, LBP, Fullmotion, Inverter, -35°C to -10°C, CE UL, Austria

[Mechanical Defrost Timer LUFO HPT-02: Wiring](#)

Category: Refrigeration

written by www.mbsmpro.com | January 11, 2026



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

written by www.mbsmpro.com | January 11, 2026



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.

[Blue Star Inverter AC Error Codes](#)

Category: Refrigeration

written by www.mbsmpro.com | January 11, 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 11, 2026

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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.