

[Mbsmpro.com, Compressor, FMXY9C, 1/5 hp, Inverter, Fullmotion, R600a, 230V 43-134Hz, LBP, Variable Speed, High Efficiency](#)

Category: Refrigeration

written by www.mbsmpro.com | January 27, 2026



The Embraco FMXY9C is a high-efficiency inverter compressor designed for modern R600a refrigeration systems. Operating at variable speeds between 43Hz and 134Hz, this unit offers superior energy savings. This guide provides technical specifications, diagnostic protocols for technicians, and a list of compatible replacements to ensure a professional-grade repair every single time.

[Embraco EGAS and EM Series](#)

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Master Embraco EGAS & EM series compressors with this pro guide. Covers specs for EGAS 80/90/100, EM 30/45/55, failure diagnosis, and expert replacement tips.

[not recommended to replace compressor \(Jiaxipera N1113Y\) with \(ACC HTK70AA\).](#)

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Selecting the right compressor for a refrigeration system is critical for long-term performance and energy efficiency. When replacing a Jiaxipera N1113Y, simply matching the refrigerant type is not enough. This guide breaks down the technical differences between the N1113Y and the ACC HTK70AA, providing the essential data for professional technicians and refrigeration engineers.

[I charged the compressor CAJ4519Z with R407 gas, and upon startup, some frost appeared on the return line and expansion valve, even though the cooling was fine. Is this normal? Note that it's a refrigeration room, not a freezer.](#)

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The Tecumseh CAJ4519Z stands as a benchmark in commercial refrigeration, offering robust performance for Medium and High Back Pressure (MHBP) applications. Engineered for versatility, it supports a wide array of refrigerants including R404A and R407C. This professional analysis covers technical data, wiring configurations, and essential maintenance practices for field engineers

working on refrigeration units.

The ZMC EGM60AF compressor can be installed on a Toshiba 14-inch refrigerator

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The ZMC EGM60AF is a high-performance hermetic compressor designed for low back pressure applications in domestic refrigeration. Engineered with precision in Egypt, this 1/6 HP unit operates on R134a refrigerant and is tailored for 220-240V 50Hz power systems. It offers a reliable cooling solution for small to medium household refrigerators and upright freezers worldwide.

Huayi HYE55YL63 and ZMC EGM60AF

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The Huayi HYE55YL63 and ZMC EGM60AF are two industry-standard 1/5 HP compressors used in domestic refrigerators. While both utilize R134a refrigerant, they differ in displacement and oil capacity. This technical review compares their performance curves and cooling capacities to help technicians select the ideal replacement for Kiriazi and other 14-foot refrigerators.

compressors: L58CZ1 (1/6HP), L65CZ1 (1/5HP), L72CZ1 (1/4HP), K270CZ1 (1/3HP), and K375CZ1 (1/2HP)

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Donper has established itself as a powerhouse in the hermetic compressor industry, providing reliable cooling solutions for domestic and light commercial applications. This technical analysis explores the R134a L and K series, ranging from 1/6 HP to 1/2 HP, offering engineers and technicians the critical data needed for successful repairs and system optimizations.

Compressor, HUAYI, HYS55, HYS60, HYE81, HYE90, 1/6 hp, 1/5 hp, 1/4 hp, LBP, R134a, R600a

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The HUAYI compressor lineup, featuring the HYS and HYE series, is a cornerstone in modern domestic refrigeration. These Low Back Pressure units utilize R134a and R600a refrigerants to provide efficient cooling for household freezers and refrigerators. Designed for durability and high performance, they offer professional-grade solutions for various cooling capacities from 1/10 to 1/3 horsepower.

ZMC GL45AN Compressor - R134a, 1/8 HP, LBP

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The ZMC GL45AN is a hermetic refrigeration compressor designed for R134a systems in cooling and light freezing applications. With a 1/8 HP motor, LBP operation, and RSIR electrical design, it delivers stable performance, low noise, and high reliability for domestic and light commercial refrigeration equipment.

Compressor, STU 120 MT, 1/6 hp

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TEE STU 120 MT U252-00 is a hermetic reciprocating compressor from Türk Elektrik designed for domestic refrigerators using R600a refrigerant at low back pressure. It operates on 220-240 V, 50 Hz single-phase supply and delivers around 1/6 hp class cooling capacity, ideal for compact fridges and small freezers.