

Embraco EGAS and EM Series

Category: Refrigeration

written by www.mbsm.pro | 27 January 2026



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 N113Y, simply matching the refrigerant type is not enough. This guide breaks down the technical differences between the N113Y and the ACC HTK70AA, providing the essential data for professional technicians and refrigeration engineers.

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.

Excellent GS66AZ Compressor Technical Specifications, BIG 1/6 HP, 6.6 cm³

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The GS66AZ compressor from Excellent is a workhorse in the domestic and light commercial refrigeration sector, engineered for reliable performance in low-temperature applications such as standard freezers and smaller display units. This hermetic reciprocating unit operates using the widely available R134a

refrigerant, making it a highly serviceable component globally.

Defrost Timer Module

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PictureS Mbsm Dot Pro : www.mbsm.pro

The Universal Electronic Defrost Timer Module is a critical component for modernizing refrigerator repairs. Designed to replace failing mechanical timers and expensive control boards, this solid-state device offers unmatched reliability. Featuring a 220V input and 10A capacity, it ensures precise timing for compressor operation and defrost cycles in various domestic refrigeration brands.