

[Danfoss GL45AA compressor R134a 1/8 HP LBP specifications replacement B48H technical data cooling capacity](#)

Category: Refrigeration

written by www.mbsmpro.com | February 19, 2026



The Danfoss GL45AA is a reliable 1/8 HP R134a compressor designed for low back pressure applications. Used in refrigerators, beverage coolers, and freezers, this thermally protected unit delivers 96 kcal/h cooling capacity at -23.3°C with RSIR motor technology and operates between -35°C to -10°C.

[Secop TLX5.7KK.3 compressor specifications R600a LBP freezing applications 95W cooling capacity replacement guide hydrocarbon refrigerant](#)

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When you open your refrigerator door on a warm summer day, you expect crisp vegetables and cold drinks waiting inside. Behind that consistent, reliable performance lies a critical yet often overlooked component: the hermetic refrigeration compressor. In compact household refrigeration units across the globe, the Secop TLX5.7KK.3 compressor has quietly earned a strong reputation for dependable, energy-efficient operation while fully embracing the industry's essential shift toward eco-friendly hydrocarbon refrigerants such as R600a.

[Jiaxipera TT1114GY R600a compressor technical specifications and high-efficiency replacement guide for professional HVAC technicians](#)

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The Jiaxipera TT1114GY is a cornerstone of modern eco-friendly refrigeration, utilizing R600a isobutane to deliver high-efficiency cooling in household appliances. Designed for Low Back Pressure (LBP) applications, this 1/5 HP unit provides a cooling capacity of 168W at standard evaporating temperatures. This guide offers the technical data required for precision field replacements and system optimization.

[Donper LG83WZ1 Refrigeration Compressor Technical Specifications and R134a Replacement Guide for Unionaire refrigerator](#)

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The Donper LG83WZ1 stands as a cornerstone in modern domestic and light commercial refrigeration. Engineered for Low Back Pressure applications, this R134a-driven unit provides reliable cooling capacity for medium to large refrigerators. Its 8.3cc displacement ensures consistent thermal management, making it a preferred choice for technicians seeking a robust, thermally protected motor for demanding climates.

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.

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, Matsushita, D77C18RAX5, 1/4 hp, Panasonic

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The Matsushita D77C18RAX5 is a legendary 1/4 HP refrigerator compressor optimized for R134a refrigerant. Known for its robust RSIR motor and 7.7cc displacement, it delivers 195W of cooling power for domestic freezers and refrigerators. This guide provides full technical data, wiring details, and the best professional cross-reference replacements for modern refrigeration repair.

GMCC PE75H1C Compressor 1/4 HP R134a LBP

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The GMCC PE75H1C is a robust hermetic reciprocating compressor engineered for low back pressure applications using R134a refrigerant. Operating at 220-240V 50Hz, this 1/4 HP motor provides a cooling capacity of approximately 185W. This article provides technical datasheets,

