

Donper L65CZ1 Compressor Specs and Replacements

Category: Refrigeration

written by www.mbsm.pro | 20 February 2026



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The Donper L65CZ1 is a reliable 1/5 HP compressor designed for R134a LBP systems, commonly found in domestic refrigerators and freezers up to 280L capacity. This guide provides the full technical data sheet, including cooling capacity (158-170W at ASHRAE), oil requirements (280-320ml), and a comprehensive list of compatible replacements for both R134a and modern alternative refrigerants to ensure your repair is successful.

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.

How many cubic feet can LJ118CY1 compressor cooling ?

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The Donper LJ118CY1 is a high-performance 1/4 HP hermetic compressor designed for domestic refrigerators using R600a refrigerant. Known for its efficiency and quiet operation, it features a displacement of 11.8cc and a cooling capacity of 198W at -23.3°C. This article provides technical details, wiring diagrams, and compatible replacement models for professional technicians.

Engineering Overview: The S118CY1 Architecture

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The Donper S118CY1 compressor is a cornerstone of modern domestic refrigeration, engineered for high efficiency in Low Back Pressure (LBP) environments. Utilizing R600a refrigerant, this 1/4 HP unit provides reliable cooling for large household refrigerators and freezers. This guide explores its technical parameters, electrical requirements, and the best cross-reference alternatives for field technicians.

Engineering Overview: The S118CY1

Architecture

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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.

R134a compressor, 1/3 HP, LBP, commercial refrigeration, domestic freezer, cooling capacity, COP, [mbsm.pro](http://www.mbsm.pro), [mbsmgroup.tn](http://www.mbsmgroup.tn), [mbsmgroup](http://www.mbsmgroup.com), [mbsmpro](http://www.mbsmpro.com), [mbsmpro.com](http://www.mbsmpro.com), Siberia,

Panasonic, Embraco, Secop, Tecumseh, Donper, Cubigel, Zero, ZMC, Samsung

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A technical comparison of the 10 best LBP R134a compressors (1/3 HP) for professional refrigeration and freezing applications—complete with specs, cooling capacities, and application tips.

Mbsm.pro, DONPER, Refrigeration, Compressor, S96CY1, H170CY1, R600a (56 g), LBP, 240V 50HZ, 1/5 HP, 155W, CHEST FREEZER, Nikai, NCF340N5, Nikai 340L Chest Freezer

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Mbsm.pro, DONPER, Refrigeration, Compressor, S96CY1, H170CY1, R600a (56 g), LBP, 240V 50HZ, 1/5 HP, 155W, CHEST FREEZER, Nikai, NCF340N5, Nikai 340L Chest Freezer

Mbsm.pro, AK100CY1, Az100CY1, Donper, R600a, 1/8 hp, mini Refrigeration, Compressor, lbp, 75 w, 1 ph, 220v

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Mbsm.pro, AK100CY1, R600a, 1/8 hp, mini Refrigeration, Compressor, lbp, 100 w, 1 ph, 220v

Mbsm.pro, Freezer, 203L, Compressor, ES241-BK, refrigerante, R600a, A140CY1, Donper, 140W, 1/6HP, RSIR, 8,4cm³, 7,5kg, lbp

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Mbsm.pro, Freezer, 203L, Compressor, ES241-BK, refrigerante, R600a, A140CY1, Donper, 140W, 1/6HP, RSIR, 8,4cm³, 7,5kg, lbp