

# **SECOP SC21G COMPRESSOR**

Category: Refrigeration

written by [www.mbsmpro.com](http://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.

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## **Donper K400CZ1 R134a compressor**

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The Donper K400CZ1 is a hermetic reciprocating compressor designed for commercial refrigerators and chest freezers operating with refrigerant R134a on 220-240V 50Hz single-phase power. It offers roughly 1/2 hp class performance with about 400 W cooling capacity, making it suitable for medium-size display cabinets and storage equipment in supermarkets and restaurants.

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## **Tecumseh Commercial Refrigeration Compressors**

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Tecumseh commercial compressors range from 1/9 HP (230 W) to 3 HP (4,000 W), delivering refrigeration capacities from 278 W to 6,973 W across R404A, R134a, and legacy refrigerants. This complete technical guide provides exact horsepower, input wattage, evaporating ranges, and application types for all ten major models used in supermarkets, walk-ins, and retail coolers.

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## [Champion of HBP: Copeland KCJ513HAG-S424H](#)

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The Copeland KCJ513HAG-S424H is a powerhouse 1.2 HP compressor designed for high-demand cooling. Built for R134a applications like large water coolers and AC units, it delivers 12,300 Btu/h reliability. This guide covers its CSCR electrical setup, 38cc displacement, and how it compares to Tecumseh alternatives.

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## [AC vs DC Refrigerator Compressors](#)

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DC inverter refrigerator compressor vs AC compressor energy efficiency, noise level, temperature control, digital inverter technology, home and commercial cooling - Mbsmpro.com

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## [Tecumseh CAJ9480T R22 Hermetic Compressor: Complete Technical Guide for Professionals](#)

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The Tecumseh / L'Unité Hermetique CAJ9480T is a 5/8 HP hermetic compressor delivering about 1 968 W of cooling capacity for R22 commercial refrigeration systems. It is widely used in small cold rooms, display cabinets and compact condensing units. This Mbsmgroup guide explains its main specifications, applications, installation tips and key technical PDFs.

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## [Frascold D2-15Y / D2-15.1Y](#)

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The Frascold D2 15Y is a semi-hermetic reciprocating compressor designed for commercial and industrial refrigeration. With a 2 HP motor and 15.4 m<sup>3</sup>/h displacement, it delivers around 6-7 kW of cooling capacity using R404A, R448A or R449A, making it a robust option for low and medium temperature applications.

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## [Copeland-15hp](#)

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The photos show a Copeland condensing unit on a steel base, with a semi-hermetic compressor, air-cooled condenser and vertical liquid receiver designed for cold room applications. This type of refrigeration unit is widely used in commercial food storage because it delivers stable temperature control, good energy efficiency and straightforward maintenance for professional technicians.

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## [Mbsmpro.com, ZB38, 5HP, R404, MBP](#)

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written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 11, 2026



ZB38 5HP R404A MBP scroll compressor has become a reference point in medium-temperature commercial refrigeration, providing a compact, efficient and reliable heart for cold rooms, display cabinets and food service equipment worldwide. This article explores how it works, where it fits best and what technicians should verify before installing or replacing this type of compressor.

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## **R134a compressor, 1/3 HP, LBP, commercial refrigeration, domestic freezer, cooling capacity, COP, mbsm.pro, mbsmgroup.tn, mbsmgroup, mbsmpro, 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.