

Pepsi single-door refrigerator, 90 cm, compressor, 1/2 hp hbp

Category: Refrigeration

written by www.mbsm.pro | 31 January 2026



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The Danfoss SC15G (104G8525) is a high-capacity 1/2 HP compressor designed for R134a commercial cooling applications. Featuring a 15.28cc displacement and German engineering, it excels in MBP/HBP environments like display coolers. This professional guide details its 738W cooling capacity, electrical requirements, and provides a comprehensive cross-reference list for field technicians and engineers.

Mbsm.pro, Copeland Compressor RS80C1E-CAZ-252, 1 HP, R134a

Refrigerant, 220-240V Single Phase 50Hz, RSIR Motor, LBP Low Temperature Freezing Application, Hermetic Reciprocating Technology

Category: compressor

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The Copeland RS80C1E-CAZ-252 represents a specialized hermetic reciprocating compressor engineered for low-temperature refrigeration applications where reliability meets efficiency. This single-phase unit operates on R134a

refrigerant and delivers consistent performance in demanding freezing environments ranging from -30°C to -10°C evaporating temperatures. Operating at 220-240V single-phase 50Hz power supply, this unit draws approximately 5 amperes during normal operation, making it suitable for standard commercial electrical systems.

SECOP SC21G COMPRESSOR

Category: Refrigeration

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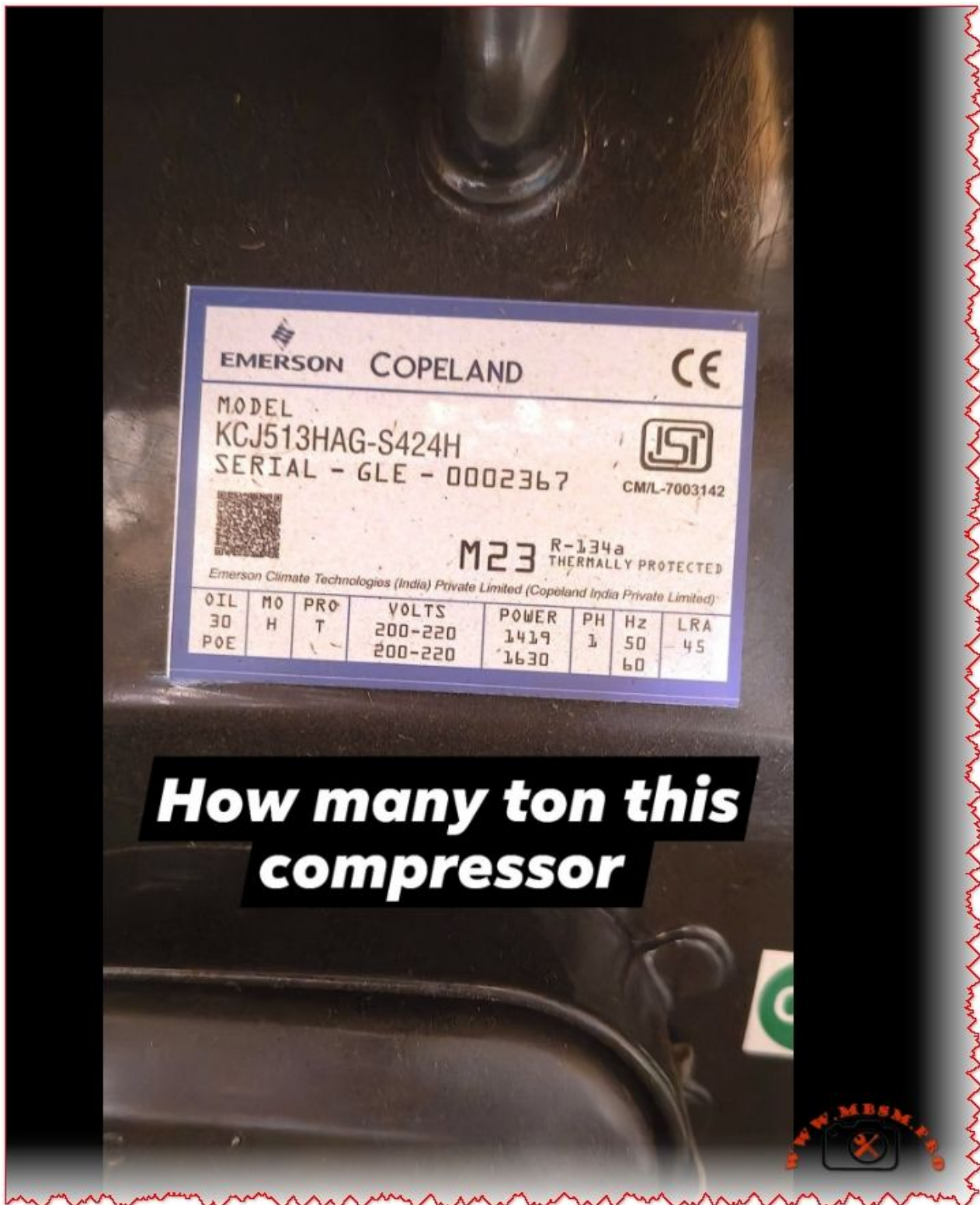
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Secop SC21G is a high-performance hermetic reciprocating compressor designed for commercial refrigeration and freezing applications using R134a refrigerant. This guide covers detailed specifications, technical parameters, and installation requirements for 220-240V/50Hz systems at up to 1.3 amperes.

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.

AC vs DC Refrigerator Compressors

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The infographic features a blue background with a white title 'Refrigerator Compressors' and a subtitle 'AC vs DC'. It is divided into two columns. The left column, titled 'AC COMPRESSOR' in a blue box, lists four bullet points: 'Runs on Alternating Current', 'Less Energy Efficient', 'Noisy Operation', and 'Simple and Cost-effective'. The right column, titled 'DC COMPRESSOR' in a green box, lists four bullet points: 'Runs on Direct Current', 'Highly Energy Efficient', 'Quiet Operation', and 'Advanced Speed Control'. At the bottom, two black compressor units are shown side-by-side. The unit on the right has a white label that reads 'DIGITAL INVERTER'.

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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

Tecumseh CAJ9480T R22 Hermetic Compressor: Complete Technical Guide for Professionals

Category: Refrigeration

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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.

Mbsmpro.com, ZB38, 5HP, R404, MBP

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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.

**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.

Mbsm.pro, NBY5170Y, Compressor, Cooling, 1/4 HP, 1ph 220-240V/50Hz, R600a, 15kg, High Back Pressure, HBP, Commercial Refrigeration, Embraco

Category: compressor

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With a cooling capacity of 842 W and robust construction, the NBY5170Y is ideal for commercial refrigeration, air conditioning, and heat pump systems

Mbsm.pro, Comprehensive Guide to Danfoss Compressors: Specifications, Applications, and Selection Tips

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DENFOSS COMPRESSOR

Capillary Length	Capillary NO	Oil	Hp (Horsepower)	Compressor No
4 Feet	0.26	150 ml	1/14	TL2A
4 Feet	0.26	150 ml	1/12	TL2.5A
4 Feet	0.26	150 ml	1/12	TL2.5B
4 Feet	0.26	150 ml	1/14	PW3K6
4 Feet	0.26	150 ml	1/12	PW3K7
6 Feet	0.26	175 ml	1/10	PW3.5K7
6 Feet	0.26	175 ml	1/10	TL3B
7.5 Feet	0.28	200 ml	1/8	TL4B
7.5 Feet	0.28	200 ml	1/8	TL4A
7.5 Feet	0.28	200 ml	1/8	PW4.5K9
7.5 Feet	0.28	200 ml	1/8	PW4.5K7
7.5 Feet	0.28	200 ml	1/8	PW4.5K11
7.5 Feet	0.28	200 ml	1/8	TFS4AT
9 Feet	0.31	250 ml	1/6	TL5A
9 Feet	0.31	250 ml	1/6	PW5.5K11
9 Feet	0.31	250 ml	1/6	PW5.5K9
9 Feet	0.31	250 ml	1/6	TFS5AT
9 Feet	0.31	250 ml	1/6	FR6B
10 Feet	0.31	275 ml	1/5	FR7.5A
10 Feet	0.31	275 ml	1/5	FR7.5B
10 Feet	0.31	300 ml	1/4	FR8.5A

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Discover the essential specifications and applications of Danfoss compressors in this comprehensive guide. Learn about capillary length, oil quantity, horsepower, and how to choose the right compressor for your refrigeration or air conditioning needs. Perfect for HVAC professionals and enthusiasts alike