

I charged the compressor CAJ4519Z with R407 gas, and upon startup, some frost appeared on the return line and expansion valve, even though the cooling was fine. Is this normal? Note that it's a refrigeration room, not a freezer.

Category: Refrigeration

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The Tecumseh CAJ4519Z stands as a benchmark in commercial refrigeration, offering robust performance for Medium and High Back Pressure (MHBP) applications. Engineered for versatility, it supports a wide array of refrigerants including R404A and R407C. This professional analysis covers technical data, wiring configurations, and essential maintenance practices for field engineers working on refrigeration units.

Bitzer 4J-13.2Y-40P semi-hermetic

Category: Refrigeration

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The Bitzer 4J-13.2Y-40P is a semi-hermetic reciprocating compressor designed for demanding commercial refrigeration applications. Its nameplate provides critical information for installers, including voltage ranges of 380–420 V at 50 Hz and 440–480 V at 60 Hz, running current, starting current, displacement flow and maximum permissible shell pressures.

Copeland ZB50KCE Scroll Compressor

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copeland zb50kce scroll compressor 7 hp 11.9 kw polyester oil nameplate data Mbsmgroup
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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.

Tecumseh CAJ9480T: The French-Made Heart of Legacy R22 Cold Rooms

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On the faded nameplate of this weathered compressor shell, one line stands out with absolute clarity: CAJ9480T - R22/R502 - Made in France. It is the unmistakable signature of a Tecumseh L'Unité Hermétique fully hermetic compressor, a workhorse still beating quietly inside countless small cold rooms and refrigerated cabinets in everyday commercial settings.

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 m³/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.

Frascold Z40-154Y

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The photos capture a heavy-duty Frascold Z40-154Y semi-hermetic compressor, an Italian 40 HP unit designed for demanding freezer and cold-room applications. Its nameplate shows a displacement of about 154 m³/h and robust pressure ratings, while the blue cast-iron body and mounted controls reveal a machine built for long-term industrial refrigeration service.