

# **Zanussi 16 Cubic Feet Refrigerator Compressor GL90AA - 1/4 HP R134a**

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | December 25, 2025



A 16 cubic feet Zanussi refrigerator typically relies on the GL90AA hermetic compressor, a compact piston unit built for R134a and low back pressure applications. This 1/4 HP motor offers cooling capacities from roughly 165 W up to around 346 W, giving enough reserve to maintain stable temperatures in family-size fridges even in hot kitchens.

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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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# **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.

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# **Replacing Unionaire Sensors with Kiriazi Deep Freezer Probes: What Technicians Must Check First**

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The picture shows a refrigeration technician holding several tubular temperature probes and a small white connector in front of a heavily frosted evaporator, capturing the exact moment of diagnosing a sensor fault in a no-frost fridge or deep freezer. This real-world scene raises a key question: can Unionaire sensors be safely replaced with Kiriazi probes?

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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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## **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 m<sup>3</sup>/h and robust pressure ratings, while the blue cast-iron body and mounted controls reveal a machine built for long-term industrial refrigeration service.

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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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## **FFI10HAK-FFI10HAKW**

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The Embraco FFI10HAKW is a hermetic reciprocating compressor designed for low and medium back pressure refrigeration systems operating on R134a. It runs on 220-230 V, 50/60 Hz single-phase power and delivers roughly 1/3 HP from a 9.04 cm<sup>3</sup> displacement, making it ideal for beverage coolers and small commercial display cabinets.

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## **SCE SCOOP**

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Understanding the inner workings of a Secop SCE hermetic compressor is essential for any refrigeration technician or engineer. This comprehensive guide breaks down the complex internal components—from the crankshaft to the valve plate—providing a detailed exploded view. Whether you are troubleshooting or studying mechanical design, our professional analysis offers the clarity needed for modern cooling systems.

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## **[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.