

[TECUMSEH, DAIKIN, MATSUSHITA, HITACHI & TOSHIBA MODELS](#)

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



Brand	Model	Capacity (BTU/h)	Input Power (W)	Displacement (cc)
Matsushita - Rotary Type	PH140	14000	2200	40
	PH140	14000	2200	40
	PH140	14000	2200	40
	PH140	14000	2200	40
Hitachi - Rotary Type	HS140	14000	2200	40
	HS140	14000	2200	40
	HS140	14000	2200	40
	HS140	14000	2200	40
Toshiba - Rotary Type	TR140	14000	2200	40
	TR140	14000	2200	40
	TR140	14000	2200	40
	TR140	14000	2200	40

Understanding refrigeration compressor specifications is essential for proper HVAC system selection and maintenance. This comprehensive guide covers five major compressor brands—Tecumseh, Daikin, Matsushita, Hitachi, and Toshiba—with detailed technical data on cooling capacity, displacement, voltage requirements, and applications.

[LG MA62LCEG compressor specifications](#) [R134a 1/5 hp LBP](#)

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



The LG MA62LCEG is a reliable hermetic reciprocating compressor designed for low back pressure (LBP) applications using R134a refrigerant. Rated at approximately 1/5 HP, it delivers 174W (596 BTU/h) cooling capacity with 127W input power and a solid COP of 1.38.

Evaporator and Condenser Data, Two-Door Refrigerators

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



Achieving perfect cooling requires a precise balance between the compressor horsepower and the heat exchange surface area. Whether you are working with a small 1/8 hp unit or a jumbo 1/5 hp system, understanding the required U-bends in the condenser is the key to professional, long-lasting refrigeration repairs and system design.

Compressor, Kiriazi Refrigerator, KM 33, L 310, 1/5 hp

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



The Kiriazi KM 33 and L 310 refrigerators represent the pinnacle of tropical cooling engineering, designed to withstand extreme ambient temperatures while maintaining peak efficiency. Utilizing R134a refrigerant and a robust 1.1A compressor, these units are a staple for technicians requiring reliable performance data for maintenance and compressor replacement in high-heat environments.

[Emkarate RL 68H Compatibility Chart with HFC HCFC HFO](#)

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



Understanding the chemistry between lubricants and refrigerants is vital for refrigeration longevity. While Emkarate RL 68H is a premium synthetic polyol ester (POE) oil designed for HFCs, its application with R600 (Isobutane) requires careful engineering consideration. This guide examines technical specifications, viscosity impacts, and the risks of mismatched oil-refrigerant pairs in domestic and commercial systems.

[Compressor MAF QD59H HM for Ideal 8-foot Refrigerator](#)

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



Choosing the correct compressor for a classic Ideal 8-foot refrigerator requires technical precision. The MAF QD59H HM, a robust 1/6 HP unit by Comptek, is a frequent candidate for these repairs. This article explores the mechanical compatibility, electrical requirements, and performance values necessary to ensure a long-lasting and efficient cooling system restoration.

[Technical Comparison: ZEL HDL200A vs. Huaguang ATA72XL](#)

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



technical comparison between two common refrigerator compressors: the ZEL HDL200A and the Huaguang (Wanbao) ATA72XL. We will examine their specifications and address the critical question: Can one be used as a replacement for the other?

[Danfoss Secop BD35F 101Z0200 DC compressor technical specifications and 12V 24V, 1/8 hp](#)

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



The Danfoss Secop BD35F 101Z0200 is the industry standard for DC mobile refrigeration. Engineered for 12V and 24V systems using R134a, this compressor offers variable speed performance from 1/8 to 1/5 hp. This Mbsmpro technical guide explores its electronic control unit, wiring schemas, and cooling capacities for trucks, boats, and solar-powered appliances.

Compressor, Jiaxipera, TT1113GY, 1/5 hp

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



The Jiaxipera TT1113GY is a high-performance hermetic compressor engineered for Low Back Pressure applications using R600a (Isobutane). Featuring a 11.3 cm³ displacement and a cooling capacity of 183 Watts, it represents the gold standard for modern energy-efficient refrigeration, offering exceptional reliability and reduced acoustic emissions in the domestic market.

STC-9200 Temperature Controller

Category: Refrigeration

written by www.mbsmpro.com | January 18, 2026



“The STC-9200 digital temperature controller is a professional-grade thermostat designed for industrial refrigeration and freezing applications. This advanced multi-stage controller features precise temperature regulation from -50°C to +50°C, integrated defrost management, and robust relay capacity for compressor control, making it ideal for commercial cooling systems and display cases.”