

# [ZMC GL60AF Compressor Specs and Replacements](#)

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | February 20, 2026



The ZMC GL60AF is a reliable 1/6 HP hermetic compressor designed for R134a LBP applications, widely used in domestic refrigerators and freezers. This comprehensive guide provides complete technical specifications including 5.99 cm<sup>3</sup> displacement, ISO VG 19 ester oil requirements, 132W cooling capacity, and detailed performance data. Find the best replacement options including Cubigel GL60AA, ZEM equivalents, and modern alternatives for your refrigeration repair needs.

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# [Secop TLES6FT.3 Compressor Technical Specifications, Cooling Capacity, and R134a Replacement Guide for Refrigeration Professionals](#)

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The Secop TLES6FT.3 is a high-efficiency hermetic reciprocating compressor designed specifically for Low Back Pressure (LBP) applications. Operating on R134a refrigerant, this 1/6 HP powerhouse is a staple in domestic refrigeration. This guide breaks down its technical performance, electrical characteristics, and provides reliable replacement options for field workers and engineers looking for precision.

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# [Secop GTK70AT Compressor Specifications and Equivalents](#)

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The SECOP GTK70AT is a high-performance 1/5+ HP compressor designed for R134a Low Back Pressure (LBP) applications. Featuring a 6.64 cm<sup>3</sup> displacement and 195W cooling capacity at -23.3°C, this Slovakian-made unit is a reliable choice for domestic freezers and refrigerators. This guide provides full technical specs, COP metrics, and professional replacement equivalents.

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# [Engineering Overview: The S118CY1 Architecture](#)

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The Donper S118CY1 compressor is a cornerstone of modern domestic refrigeration, engineered for high efficiency in Low Back Pressure (LBP) environments. Utilizing R600a refrigerant, this 1/4 HP unit provides reliable cooling for large household refrigerators and freezers. This guide explores its technical parameters, electrical requirements, and the best cross-reference alternatives for field technicians.

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# [Compressor, Konor, GPY16AF, 1/2 HP, R134a, LBP](#)

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The Konor GPY16AF is a robust hermetic reciprocating compressor engineered for low back pressure applications using R134a refrigerant. With a displacement of 16.2 cm<sup>3</sup>, this 1/2 HP unit is a staple in commercial freezers and large refrigerators. This guide provides detailed technical data, wiring diagrams, and professional cross-reference options for field technicians.

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# [Excellent Compressor GS91AZ 1/3 HP R134a 9.1cc](#)

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The Excellent Compressor GS91AZ has established itself as a robust solution for engineers and technicians looking for a durable replacement in various cooling appliances. Designed specifically for Low Back Pressure (LBP) applications, this reciprocating unit balances power and energy savings, making it a staple in the high-performance refrigeration and cooling sector.

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

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Matsushita - Rotary Type			
PHL2000	2000	2.00	220V
PHL2500	2500	2.50	220V
PHL3000	3000	3.00	220V
PHL3500	3500	3.50	220V
PHL4000	4000	4.00	220V
PHL4500	4500	4.50	220V
PHL5000	5000	5.00	220V
PHL5500	5500	5.50	220V
PHL6000	6000	6.00	220V
PHL6500	6500	6.50	220V
PHL7000	7000	7.00	220V
PHL7500	7500	7.50	220V
PHL8000	8000	8.00	220V
PHL8500	8500	8.50	220V
PHL9000	9000	9.00	220V
PHL9500	9500	9.50	220V
PHL10000	10000	10.00	220V

Hitachi - Rotary Type			
HR100	1000	1.00	220V
HR150	1500	1.50	220V
HR200	2000	2.00	220V
HR250	2500	2.50	220V
HR300	3000	3.00	220V
HR350	3500	3.50	220V
HR400	4000	4.00	220V
HR450	4500	4.50	220V
HR500	5000	5.00	220V
HR550	5500	5.50	220V
HR600	6000	6.00	220V
HR650	6500	6.50	220V
HR700	7000	7.00	220V
HR750	7500	7.50	220V
HR800	8000	8.00	220V
HR850	8500	8.50	220V
HR900	9000	9.00	220V
HR950	9500	9.50	220V
HR1000	10000	10.00	220V

Toshiba - Rotary Type			
TR100	1000	1.00	220V
TR150	1500	1.50	220V
TR200	2000	2.00	220V
TR250	2500	2.50	220V
TR300	3000	3.00	220V
TR350	3500	3.50	220V
TR400	4000	4.00	220V
TR450	4500	4.50	220V
TR500	5000	5.00	220V
TR550	5500	5.50	220V
TR600	6000	6.00	220V
TR650	6500	6.50	220V
TR700	7000	7.00	220V
TR750	7500	7.50	220V
TR800	8000	8.00	220V
TR850	8500	8.50	220V
TR900	9000	9.00	220V
TR950	9500	9.50	220V
TR1000	10000	10.00	220V

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.

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## [Evaporator and Condenser Data, Two-Door Refrigerators](#)

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Unit Type	Evaporator Type	Condenser Type	U-Bends
Small	1/8 hp	1/2" x 1/2"	10
Medium	1/5 hp	1/2" x 3/4"	15
Jumbo	1/3 hp	1/2" x 1"	20

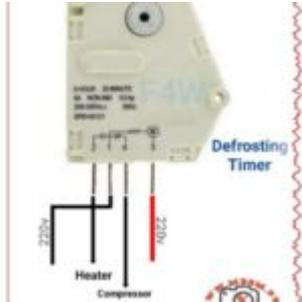
Achieving perfect cooling requires a precise balance between the compressor horsepower and the heat exchange surface area. Whether you are working with a small 1/8 hp unit or a jumbo 1/5 hp system, understanding the required U-bends in the condenser is the key to professional, long-lasting refrigeration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

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# Mechanical Defrost Timer LUFO HPT-02: Wiring

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The LUFO HPT-02 mechanical timer alternates between defrost and cooling cycles in refrigeration systems. Rated at 120 VAC and 15A, it offers reliable control with a simple 4-terminal wiring setup.

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## HVAC Valve Cores

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Excerpt: Valve cores are vital for HVAC and refrigeration systems. This guide explores Schrader valve types, pressure ratings, material choices, and engineering tips for optimal performance and leak prevention.