

# [Secop TLX5.7KK.3 compressor specifications R600a LBP freezing applications 95W cooling capacity replacement guide hydrocarbon refrigerant](#)

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | February 13, 2026



When you open your refrigerator door on a warm summer day, you expect crisp vegetables and cold drinks waiting inside. Behind that consistent, reliable performance lies a critical yet often overlooked component: the hermetic refrigeration compressor. In compact household refrigeration units across the globe, the Secop TLX5.7KK.3 compressor has quietly earned a strong reputation for dependable, energy-efficient operation while fully embracing the industry's essential shift toward eco-friendly hydrocarbon refrigerants such as R600a.

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# [Jiaxpera T1116Y compressor specs 1/5 HP LBP R600a 220-240V 184W 10.5 cm3 mini fridge replacement](#)

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The Jiaxpera T1116Y stands out as a reliable 1/5 HP hermetic piston compressor built for low back pressure (LBP) applications in mini fridges and small freezers. It runs on R600a refrigerant with a 10.5 cm<sup>3</sup> displacement, delivering 184W cooling capacity at -23.3°C.

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# [Jiaxipera TT1113GY Compressor 1/5 HP R600a technical specifications and professional replacement guide for domestic refrigeration and freezing systems](#)

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The Jiaxipera TT1113GY is a cornerstone of modern domestic refrigeration, operating as a 1/5 HP Low Back Pressure compressor optimized for R600a refrigerant. This high-efficiency unit is widely used in household refrigerators and freezers, offering a cooling capacity of 155 Watts. This guide covers all essential technical data, electrical characteristics, and professional replacement options.

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# [Jiaxipera JM1080Y Compressor 1/8 hp R600a, capillary 0.028 2.5m](#)

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The Jiaxipera JM1080Y is a high-performance 1/8 hp compressor specifically designed for R600a refrigerant in domestic LBP applications. With a cooling capacity of 100W and a displacement of 6.2 cm<sup>3</sup>, it provides a quiet, energy-efficient solution for modern refrigerators. This guide covers technical data, performance metrics, and professional field advice for technicians

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# [Technical Deep Dive: The LG FMA102NAMA Inverter Compressor](#)

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The LG FMA102NAMA is a sophisticated inverter compressor engineered for modern energy-efficient refrigeration systems. Utilizing R600a refrigerant and a variable frequency BLDC motor, this unit provides precise cooling for Low Back Pressure (LBP) applications. Manufactured by Taizhou LG Electronics in China, it features advanced thermal protection and a robust 0-220V 60Hz operating range.

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# [Working with the Samsung MSV4A1A-L1B: A Field Tech's Guide](#)

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The Samsung MSV4A1A-L1B is a high-efficiency inverter compressor specifically engineered for R600a residential refrigeration systems. Operating between 54Hz and 216Hz, this 1/4 HP BLDC unit provides variable cooling capacity for premium side-by-side refrigerators. This professional guide covers essential technical specifications, diagnostic resistance checks, and critical installation protocols for modern refrigeration artisans.

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# Compressor, STU 120 MT, 1/6 hp

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TEE STU 120 MT U252-00 is a hermetic reciprocating compressor from Türk Elektrik designed for domestic refrigerators using R600a refrigerant at low back pressure. It operates on 220-240 V, 50 Hz single-phase supply and delivers around 1/6 hp class cooling capacity, ideal for compact fridges and small freezers.