

[Tecumseh THG1374YFS Compressor Specs and Replacements](#)

Category: Refrigeration

written by www.mbsmpro.com | February 20, 2026



The Tecumseh THG1374YFS (TH271-FS-316) is a reliable 1/4 HP compressor designed for R134a LBP systems, commonly found in domestic refrigerators and small freezers. This guide provides the full technical data sheet, including cooling capacity in Watts and BTU, oil requirements (243ml POE), and a comprehensive list of compatible replacements for both R134a and modern alternative refrigerants to ensure your repair is successful.

[The Technician's Take on the Matsushita QA77C17GAX5](#)

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The Matsushita QA77C17GAX5 is a workhorse in the refrigeration world. This 1/4 HP R134a compressor is a go-to for many household fridges and freezers. In this guide, we break down the technical specs, electrical wiring, and the most reliable replacement options to help you get your cooling system back up and running fast.

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.

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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.

TECUMSEH, DAIKIN, MATSUSHITA, HITACHI & TOSHIBA MODELS

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Brand	Model	Capacity (kW)	Capacity (RT)	Current (A)	Speed (RPM)
Matsushita - Rotary Type	1P10	1.1	3.0	10.0	3600
	1P15	1.5	4.0	15.0	3600
	1P20	2.0	5.5	20.0	3600
	1P25	2.5	7.0	25.0	3600
	1P30	3.0	8.5	30.0	3600
Hitachi - Rotary Type	1P10	1.1	3.0	10.0	3600
	1P15	1.5	4.0	15.0	3600
	1P20	2.0	5.5	20.0	3600
	1P25	2.5	7.0	25.0	3600
	1P30	3.0	8.5	30.0	3600
Toshiba - Rotary Type	1P10	1.1	3.0	10.0	3600
	1P15	1.5	4.0	15.0	3600
	1P20	2.0	5.5	20.0	3600
	1P25	2.5	7.0	25.0	3600
	1P30	3.0	8.5	30.0	3600

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.

R134a compressor, 1/3 HP, LBP, commercial refrigeration, domestic freezer, cooling capacity, COP, mbsm.pro, mbsmgroup.tn, mbsmgroup, mbsmpro, mbsmpro.com, Siberia, Panasonic, Embraco, Secop, Tecumseh, Donper, Cubigel, Zero, ZMC, Samsung

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A technical comparison of the 10 best LBP R134a compressors (1/3 HP) for professional refrigeration and freezing applications—complete with specs, cooling capacities, and application tips.