

[compressors: L58CZ1 \(1/6HP\), L65CZ1 \(1/5HP\), L72CZ1 \(1/4HP\), K270CZ1 \(1/3HP\), and K375CZ1 \(1/2HP\)](#)

Category: Refrigeration

written by www.mbsmpro.com | January 22, 2026



Donper has established itself as a powerhouse in the hermetic compressor industry, providing reliable cooling solutions for domestic and light commercial applications. This technical analysis explores the R134a L and K series, ranging from 1/6 HP to 1/2 HP, offering engineers and technicians the critical data needed for successful repairs and system optimizations.

[Huayi HYE69Y63 Compressor 1/5 HP R134a LBP](#)

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The Huayi HYE69Y63 is a highly efficient hermetic reciprocating compressor designed for low back pressure applications using R134a refrigerant. With a 1/5 HP rating and dual-frequency compatibility (50/60Hz), this motor is a cornerstone for domestic refrigerators and freezers. This comprehensive guide covers technical datasheets, electrical wiring, and professional replacement strategies for global cooling systems.

GMCC PE75H1C Compressor 1/4 HP R134a LBP

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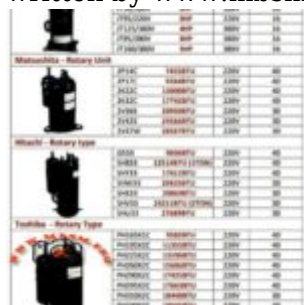


The GMCC PE75H1C is a robust hermetic reciprocating compressor engineered for low back pressure applications using R134a refrigerant. Operating at 220-240V 50Hz, this 1/4 HP motor provides a cooling capacity of approximately 185W. This article provides technical datasheets, electrical wiring schemas, and professional cross-reference guides for global refrigeration maintenance and engineering.

TECUMSEH, DAIKIN, MATSUSHITA, HITACHI & TOSHIBA MODELS

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Brand	Model	Capacity (W)	Voltage (V)	Frequency (Hz)
Matsushita - Rotary 1/4HP	PH14C	180000	220V	50
	PH15C	180000	220V	50
	PH16C	180000	220V	50
	PH17C	180000	220V	50
Hitachi - Rotary 1/4HP	HS14C	180000	220V	50
	HS15C	180000	220V	50
	HS16C	180000	220V	50
	HS17C	180000	220V	50
Toshiba - Rotary 1/4HP	TH14C	180000	220V	50
	TH15C	180000	220V	50
	TH16C	180000	220V	50
	TH17C	180000	220V	50

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.

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

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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.

Copper Pipe Flaring: Common Mistakes and How to Avoid Them in HVAC and Plumbing Installations

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Mbsmpro.com, Copper Pipe, Flaring, HVAC, Plumbing, R600a, Mini-Split, Leak Prevention, Soft Copper, Flaring Block, 1/4", 3/8", 1/2", 5/8", Refrigerant Line

[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.

[Mitsubishi Electric PUHY-P250YKH-TH](#)

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The Mitsubishi Electric PUHY-P250YKH-TH stands out as a powerful 25HP outdoor unit in the City Multi VRF series, designed for large-scale commercial HVAC applications. Featuring R410A refrigerant, it delivers 22.4 kW nominal cooling and 25.0 kW heating capacity with top-tier efficiency.

[HITACHI FL20S88NAA Compressor](#)

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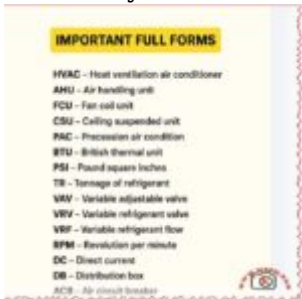


The HITACHI FL20S88NAA 0.75 HP hermetic scroll compressor delivers 256W cooling capacity at 50Hz, utilizing HFC-134a refrigerant for household refrigerator-freezer applications. This LBP-classified unit operates reliably at 220-240V with RSIR starting method, integrated into Sharp's SJ-PT73R-HS3 model offering 662-liter gross capacity with Hybrid Cooling System and Plasmacluster technology.

Key HVAC full forms

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In daily HVAC practice, technicians use many abbreviations that can confuse beginners and even young engineers. This article explains the most important HVAC abbreviations and their correct full forms, including HVAC, AHU, FCU, PAC, BTU, PSI, TR, VAV, VRV, VRF, RPM, DC, DB and ACB, with practical notes for real projects.