

[Embraco EMT55HLC vs Daewoo HSL19JE-5 R134a LBP compressor comparison 1/5 HP replacement guide technical specifications cooling capacity COP performance](#)

Category: Refrigeration

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



Two workhorse compressors power countless commercial refrigerators and household freezers worldwide. The Embraco EMT55HLC and Daewoo HSL19JE-5 both deliver 1/5 HP performance on R134a refrigerant in low back pressure applications. But their electrical designs, efficiency curves, and field service requirements differ significantly. Here is what technicians need to know.

[Danfoss GL45AA compressor R134a 1/8 HP LBP specifications replacement B48H technical data cooling capacity](#)

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The Danfoss GL45AA is a reliable 1/8 HP R134a compressor designed for low back pressure applications. Used in refrigerators, beverage coolers, and freezers, this thermally protected unit delivers 96 kcal/h cooling capacity at -23.3°C with RSIR motor technology and operates between -35°C to -10°C.

Unionaire G+ ITWG 022 R5 Air Conditioner Specifications, 21500 BTU Cooling Capacity, Technical Manual and Installation Guide

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The Unionaire G+ ITWG 022 R5 represents a robust cooling solution engineered for demanding Mediterranean and Middle Eastern climates. Delivering a potent 21,500 BTU/Hr cooling capacity, this Egyptian-manufactured indoor unit balances high-volume airflow with structural durability. Designed for 220-240V/50Hz systems, it features an IPX4 rating and a compact 12.5 kg chassis for versatile wall-mounted installation.

Donper ETK130L Compressor 1/4 HP R600a LBP Specifications and Professional Technical Guide for Refrigeration Engineers

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The Donper ETK130L compressor is a high-efficiency 1/4 HP unit designed for low back pressure applications using R600a refrigerant. This article provides a comprehensive technical breakdown, including cooling capacity, electrical schematics, and cross-reference replacements. Ideal for technicians and engineers seeking precise data for maintenance and system optimization in

domestic and light commercial refrigeration.

[How many cubic feet can LJ118CY1 compressor cooling ?](#)

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The Donper LJ118CY1 is a high-performance 1/4 HP hermetic compressor designed for domestic refrigerators using R600a refrigerant. Known for its efficiency and quiet operation, it features a displacement of 11.8cc and a cooling capacity of 198W at -23.3°C. This article provides technical details, wiring diagrams, and compatible replacement models for professional technicians.

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

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Brand	Model	Capacity (W)	Displacement (cc)	Notes
Matsushita - Hermetic Type	PH14C	180W	11.8	40
	PH15C	200W	11.8	40
	PH16C	220W	11.8	40
	PH17C	240W	11.8	40
Hitachi - Hermetic Type	HD14	180W	11.8	40
	HD15	200W	11.8	40
	HD16	220W	11.8	40
	HD17	240W	11.8	40
Toshiba - Hermetic Type	TH14	180W	11.8	40
	TH15	200W	11.8	40
	TH16	220W	11.8	40
	TH17	240W	11.8	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.

[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.

[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.