

**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**

**Site:** Mbsmpro

**Date:** November 4, 2025 | **Author:** www.mbsmpro.com

**URL:** <https://mbsmpro.com/top-1-10-compressor-siberia-panasonic-embraco-secop-tecumseh-donper-cubigel-zero-zmc-samsung/>



Selecting a compressor for refrigeration and freezing is more than numbers; it's about trust, energy efficiency, and optimal performance in demanding environments. This professional comparison presents 10 of the most respected LBP R134a compressors, used worldwide for both commercial and domestic cooling solutions. All models deliver consistent results, and this data-driven guide will help you make a confident choice.

**Comparison Table:**

Model	Brand	HP	Voltage/Freq	Refrigerant	Cooling Capacity (W)	C.O.P (W/W)	Applica
GFF75AA	Siberia	1/3	220-240V/50Hz	R134a	215	1.25	LBP

<b>Model</b>	<b>Brand</b>	<b>HP</b>	<b>Voltage/Freq</b>	<b>Refrigerant</b>	<b>Cooling Capacity (W)</b>	<b>C.O.P (W/W)</b>	<b>Applica</b>
PFL75AA	Panasonic	1/3	220- 240V/50Hz	R134a	248-324	1.41-2.03	LBP
EGAS100HLR	Embraco	1/3	220- 240V/50Hz	R134a	250	~1.20-1.30	LBP
STT134L	Secop	1/3	220- 240V/50Hz	R134a	205	~1.20	LBP
AEA4440Y	Tecumseh	1/3	220- 240V/50Hz	R134a	226	1.10	LBP
ZR86AA	Zero	1/3	220- 240V/50Hz	R134a	250	1.52	LBP
GPY14NGA	Cubigel	1/3	200- 220V/50Hz	R134a	250	~1.30	LBP
LM72CZ	Donper	1/3	220V/50Hz	R134a	~245	~1.25	LBP
EGM90AZ	ZMC	1/3	220- 240V/50Hz	R134a	~235	~1.20	LBP
ML200A	Samsung	1/3	220- 240V/50Hz	R134a	~240	~1.22	LBP

**Exclusive Images:**



### **Analysis and Use Cases:**

- **Siberia GFF75AA:** Known for balanced performance and robust construction.
- **Panasonic PFL75AA:** Superior range, especially for commercial applications.
- **Embraco EGAS100HLR:** Quiet, efficient—choice for high-demand retail.
- **Secop STT134L:** Trusted for reliability and multi-temperature settings.
- **Tecumseh AEA4440Y:** Durable, time-tested, fits tough environments.
- **Zero ZR86AA:** High efficiency, strong for commercial setups.

- **Cubigel GPY14NGA:** Reliable, used in display and retail cooling.
- **Donper LM72CZ:** Versatile and value-focused.
- **ZMC EGM90AZ:** Efficient for domestic and small business.
- **Samsung ML200A:** Modern electronics, energy efficiency.

### **Conclusion:**

Every fridge, freezer, and cold chain project has its unique requirements. The compressors above deliver trusted results for cooling and freezing, each with strengths in performance, efficiency, and system compatibility. For professional guidance and integration help, contact **mbsmgroup.tn** or **mbsmpro.com**.



[mbsmpro.com](https://mbsmpro.com)-R134a compressor 13 HP LBP commercial refrigeration  
domestic freezer cooling capacity COP mbsmpro mbs

[pdf-embedder url="https://mbsmpro.com/wp-content/uploads/2025/11/mbsmpro.com-R134a-compressor-13-HP-LBP-commercial-refrigeration-domestic-freezer-cooling-capacity-COP-mbsmpro-mbs.pdf" title="mbsmpro.com-R134a compressor 13 HP LBP commercial

refrigeration domestic freezer cooling capacity COP mbsmpro mbs”]

## Latest Articles

- [Guide de Dépannage de la Carte Inverter : Climatiseur Kolin KSM-IW20WAE](#)
- [RCFF-2HP Capillary Tube for a Samsung 18000 BTU air conditioner](#)
- [Carbon brushes washing machine motors](#)
- [Chauffe-eau Junkers : Restauration d'un Classique](#)
- [WS57H Compressor, 1/6 hp, Capacitor Requirement 4mf](#)
- [Hisense inverter expert, installtion](#)
- [Copeland D3DS5-100X 10 HP Freezer Compressor](#)
- [Bitzer 6G-30.2Y: The High-Performance 30 HP Semi-Hermetic](#)
- [Réparer un chauffe-eau à gaz Olympic 6L](#)
- [Best piping practices for semi-hermetic systems](#)
- [Core ChauffeEau Junkers Mid-1980s to Late 1990s](#)
- [Not recommended R410A to R407c](#)
- [Details of refrigerant R134a](#)
- [The electrical circuit for a timer-based steam refrigerator is an interesting one](#)
- [Changing Filter 1/5 Hp](#)
- [1/5 HP Compressor oil change: How much and how to do it right](#)
- [Deep cleaning AC units from A to Z... that's our craft](#)
- [Plumbing Fittings Explained](#)
- [Can the GL80 compressor be installed in place of the GL90?](#)
- [The process of replacing the air conditioner compressor is successful, and it is working as it was before ?](#)