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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)	Application	Typical Use
GFF75AA	Siberia	1/3	220-240V/50Hz	R134a	215	1.25	LBP	Freezing/Cooling
PFL75AA	Panasonic	1/3	220-240V/50Hz	R134a	248-324	1.41-2.03	LBP	Freezing/Cooling
EGAS100HLR	Embraco	1/3	220-240V/50Hz	R134a	250	~1.20-1.30	LBP	Freezing/Cooling
STT134L	Secop	1/3	220-240V/50Hz	R134a	205	~1.20	LBP	Freezing/Cooling
AEA4440Y	Tecumseh	1/3	220-240V/50Hz	R134a	226	1.10	LBP	Freezing/Cooling
ZR86AA	Zero	1/3	220-240V/50Hz	R134a	250	1.52	LBP	Commercial/Freezing
GPY14NGA	Cubigel	1/3	200-220V/50Hz	R134a	250	~1.30	LBP	Display fridges
LM72CZ	Donper	1/3	220V/50Hz	R134a	~245	~1.25	LBP	Fridge/Freezer
EGM90AZ	ZMC	1/3	220-240V/50Hz	R134a	~235	~1.20	LBP	Domestic, commercial
ML200A	Samsung	1/3	220-240V/50Hz	R134a	~240	~1.22	LBP	Home/commercial

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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**.



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