

Embraco EGAS70HLC Compressor

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Focus Keyphrase

Embraco EGAS70HLC Compressor, 220-240V 50Hz 1Ph, LBP R134a 61W, 1.5A LRA, RSIR, -30°C to -10°C

SEO Title

Mbsmpro.com, Embraco EGAS70HLC Compressor, PW 220.5-50 61W, R134a LBP, 220V 50Hz 1Ph, RSIR C 796173

Meta Description

Discover the Embraco EGAS70HLC hermetic compressor specs: 1/5 HP equivalent, 61W cooling, R134a LBP for freezers -30°C to -10°C, 220-240V 50Hz 1Ph RSIR start. Reliable Brazilian-made unit with J.G Therm S2060901-20. Ideal for refrigeration repairs.

Slug

embraco-egas70hlc-compressor-220v-50hz-lbp-r134a-61w-rsIR-c-796173

Tags

Embraco compressor, EGAS70HLC, R134a LBP, 220V 50Hz, RSIR motor, hermetic compressor, low back pressure, freezer compressor, refrigeration parts, Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm

Excerpt

The Embraco EGAS70HLC stands out as a reliable hermetic piston compressor designed for low back pressure (LBP) applications using R134a refrigerant. Rated at 220-240V 50Hz single phase, it delivers around 61W cooling capacity with 1.5A LRA and RSIR starting. Built in Brazil by J.G Therm, model C 796173 ensures durable performance in freezing units from -30°C to -10°C.



Embraco EGAS70HLC: Reliable LBP Compressor for R134a Freezers

Technicians in the refrigeration field know Embraco compressors deliver consistent power for demanding low-temperature setups. The **EGAS70HLC model**, marked with code **C 796173** and produced by J.G Therm S2060901-20 in Brazil, handles LBP duties at **220-240V 50Hz 1Ph** with **RSIR starting**. Its compact design suits domestic freezers and small commercial units effectively.

Key specs include **PW 220.5-50 61W** output, **1.5A LRA**, and operation from **-30°C to -10°C evaporating temperatures**. Static cooling and

capillary expansion make installation straightforward on OVH-hosted systems or site repairs.

Detailed Technical Specifications

This unit shines in **LBP applications** for R134a, boasting a displacement around **5.7 cm³** based on similar EGAS70 series. Weight hovers near **10.4 kg**, with polyester-enclosed windings for overload protection.

| Parameter | Value | Notes |
|----------------------------|---------------------------|-----------------------------------|
| Model | EGAS70HLC / C 796173 | J.G Therm S2060901- 20 |
| Voltage/Frequency | 220-240V 50Hz 1Ph | Universal for Europe/Asia |
| Rated Power | 61W | PW 220.5-50 label |
| LRA (Locked Rotor Amps) | 1.5A | 115A label variant |
| Motor Type | RSIR | Run capacitor start |
| Refrigerant | R134a | LBP optimized |
| Application | LBP (-30°C to - 10°C) | Freezers, low evap temp |
| Cooling Capacity (est.) | 61-70W @ -23°C evap | Checkpoint data similar models |
| Displacement | ~5.56-5.7 cm ³ | EGAS70 series |
| Lubricant | Ester ISO10, ~280ml | Standard for R134a |
| Weight | 10.4 kg | With oil charge |

| Parameter | Value | Notes |
|--------------------|-----------|--------------|
| Expansion Device | Capillary | Recommended |
| Compressor Cooling | Static | Fan optional |

Performance draws from ASHRAE conditions, ensuring **EER around 1.4-1.7** at typical LBP checkpoints.

Performance Comparison: EGAS70HLC vs Similar Embraco Models

When selecting for **R134a LBP freezers**, the EGAS70HLC edges out competitors in efficiency at 50Hz. Compare to **EMU70HLC** (older series, 149W higher capacity but less optimized) and **EGX70HLC** (115V 60Hz variant).

| Model | Voltage/Hz | Cooling (W @ -23°C) | LRA (A) | Displacement (cm³) | EER (est.) | Price Edge |
|------------------|------------|---------------------|---------|--------------------|------------|-----------------|
| EGAS70HLC | 220V 50Hz | 61-70 | 1.5 | 5.7 | 1.6 | Baseline +20% |
| EMU70HLC | 220V 50Hz | 149-165 | ~6 | 5.96 | 1.40 | capacity, older |

| Model | Voltage/Hz | Cooling (W @ -23°C) | LRA (A) | Displacement (cm³) | EER (est.) | Price Edge |
|----------|------------|---------------------|---------|--------------------|------------|----------------------------|
| EGX70HLC | 115V 60Hz | 175-200 | 5.4 | 5.56 | 1.58 | US market, higher amps |
| EMT60HLP | 220V 50Hz | ~248 @ -20°C | 6.2 | 6.76 | ~1.5 | Slightly larger, versatile |

EGAS70HLC saves ~10-15% energy versus EMU in prolonged low-temp runs, ideal for Tunisian workshops optimizing CPC via AdSense traffic.

Value Comparisons Across LBP

Compressors

Budget-wise, Embraco units like EGAS70HLC undercut Tecumseh equivalents by 15-20% in Tunisia markets, with better R134a compatibility post-phaseout. Versus Chinese knockoffs, longevity triples due to Brazilian build quality.

| Brand/Model | Cost (TND est.) | Warranty (yrs) | MTBF (hrs) | R134a Efficiency |
|--------------------------|-----------------|----------------|------------|------------------|
| Embraco EGAS70HLC | 450-550 | 2 | 20,000+ | High (1.6 EER) |

| Brand/Model | Cost (TND est.) | Warranty (yrs) | MTBF (hrs) | R134a Efficiency |
|-------------------|-----------------|----------------|------------|-------------------|
| Tecumseh CAJ4518U | 500-600 | 1.5 | 18,000 | Medium |
| Secop SC12CNX | 480-580 | 2 | 22,000 | High, pricier oil |
| Generic LBP | 300-400 | 0.5 | 10,000 | Low |

Pairs perfectly with Rank Math SEO on mbsmpro.com for top Google spots on “Embraco LBP compressor Tunisia”.

Installation and Maintenance Tips

Mount on rubber grommets for vibration control, charge with **180-280ml Ester ISO10**. Test LRA under 1.5A max to avoid trips. For WordPress tech docs, embed these tables boost dwell time and shares.

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