

# Embraco FMXY9C Compressor: R600a, 1/6 HP

**Site:** Mbsmpro

**Date:** January 8, 2026 | **Author:** www.mbsmpro.com

**URL:** <https://mbsmpro.com/embraco-fmxy9c-compressor-r600a-1-6-hp/>



## Embraco FMXY9C Compressor: R600a, 1/6 HP, Fullmotion Inverter, 220-240V, LBP Cooling - Technical Review and Comparison

*This article provides a full technical breakdown of the Embraco FMXY9C compressor, including specs, performance, comparisons, and engineering advice for refrigeration systems.*

**Mbsmpro.com, Compressor, FMXY9C, Embraco, R600a, 1/6 hp, Cooling, 220-240V, 1Ph 50Hz, LBP, Fullmotion, Inverter, –35°C to –10°C, CE UL, Austria**

### ***Overview of Embraco FMXY9C Compressor***

The **Embraco FMXY9C** is a hermetic reciprocating compressor designed for **low back pressure (LBP)** refrigeration systems. It uses **R600a (isobutane)** refrigerant, offering high efficiency and low environmental impact. Built in Austria, this model features **Fullmotion inverter technology**, allowing variable speed operation for optimized cooling and energy savings.

### ***Technical Specifications Table***

| <b>Parameter</b>        | <b>Value</b>          |
|-------------------------|-----------------------|
| Model                   | FMXY9C                |
| Brand                   | Embraco               |
| Refrigerant             | R600a                 |
| Voltage/Frequency       | 220-240V / 50Hz       |
| Phase                   | Single (1Ph)          |
| Rated Load Amps (RLA)   | 1.1 A                 |
| Locked Rotor Amps (LRA) | 1.7 A                 |
| HP Rating               | ~1/6 HP               |
| Cooling Type            | LBP                   |
| Compressor Type         | Fullmotion (Inverter) |
| Displacement            | 8.74 cm <sup>3</sup>  |

| Parameter         | Value          |
|-------------------|----------------|
| Max Winding Temp  | 130°C          |
| Certifications    | CE, UL         |
| Origin            | Austria        |
| Oil Type          | Alkyl Benzene  |
| Application Range | -35°C to -10°C |

### Comparison with Similar Compressors

| Model    | Refrigerant | HP Rating | Application | Voltage | Technology |
|----------|-------------|-----------|-------------|---------|------------|
| FMXY9C   | R600a       | ~1/6      | LBP         | 220-    | Fullmotion |
|          |             | HP        |             | 240V    | Inverter   |
| VTH1113Y | R600a       | ~1/6      | LBP         | 220-    | Inverter   |
|          |             | HP        |             | 240V    |            |
| NEK6210U | R290        | ~1/5      | MBP         | 115V    | RSIR       |
|          |             | HP        |             |         |            |

*FMXY9C offers superior energy control and quieter operation compared to fixed-speed models like NEK6210U.*

### Engineering Insights & Usage Tips

- **Fullmotion Technology:** Adjusts compressor speed based on cooling demand, reducing energy consumption.
- **R600a Refrigerant:** Eco-friendly with zero ozone depletion, but flammable—requires sealed systems and proper ventilation.

- **Electronic Protection:** Prevents overload and ensures safe operation under voltage fluctuations.
- **Maintenance Advice:** Use only Embraco-approved components and compatible oil to maintain performance and warranty.

### ***Benefits of FMXY9C Compressor***

- **Energy Efficiency:** Variable speed operation reduces power draw.
- **Quiet Performance:** Ideal for residential and commercial refrigeration.
- **Durability:** Designed for high ambient temperatures and long duty cycles.

### ***Focus Keyphrase***

Embraco FMXY9C Compressor R600a 1/6 HP Fullmotion Inverter 220-240V 50Hz LBP Cooling Austria CE UL Specs Comparison

### ***SEO Title***

Mbsmpro.com, Compressor, FMXY9C, Embraco, R600a, 1/6 hp, Cooling, 220-240V, 1Ph 50Hz, LBP, Fullmotion

### ***Meta Description***

Explore the full specifications of Embraco FMXY9C compressor for refrigeration systems using R600a. Includes technical tables, performance comparisons, and engineering advice for LBP cooling applications.

### ***Slug***

embraco-fmxy9c-compressor-r600a-220v-lbp-fullmotion-specs

## Tags

Embraco, FMXY9C, R600a, Compressor, Inverter, Fullmotion, LBP, Cooling, 220-240V, Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm, Austria, CE, UL

## Excerpt

The Embraco FMXY9C compressor is a high-efficiency inverter model using R600a refrigerant. Designed for LBP applications, it operates on 220-240V and offers quiet, reliable cooling with electronic protection.



[FT019962\\_1Download](#)

## 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 ?](#)