Compressor, EMI 62UHR, 1/5 HP, Embraco, R134a, 140 W, 2.0 A, 127V, MBP, RSIR, Medium Back Pressure

Category: Refrigeration
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- **Focus Keyphrase:** Embraco EMI 62UHR Compressor
- **SEO Web Title:** Mbsmpro.com, Compressor, EMI 62UHR, 1/5 HP, Embraco, R134a, 140 W, 2.0 A, 127V, MBP, RSIR, Medium Back Pressure
- **Meta Description:** Full technical specs for the Embraco EMI 62UHR compressor. Includes 127V 60Hz data, LRA, displacement, and compatible replacement models for Consul refrigerators.
- **Slug:** embraco-emi-62uhr-specs-replacement-guide
- **Tags:** Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm, EMI 62UHR, EMI62UHR, CRD34BBANA, FF7.5HBK, EMT6170Z, GPY12AF, NEK6170Z
- **Excerpt:** Technical breakdown of the Embraco EMI 62UHR (1/5 HP) used in Consul CRD34BBANA refrigerators. Specs cover R134a usage, 127V/60Hz electricals, and cross-reference units.

Field Introduction

You'll usually run into this Embraco EMI 62UHR tucked into the back of a **Consul** or **Brastemp** domestic refrigerator—specifically the **CRD34B** series popular in the Latin American market. It's a workhorse for mid-sized "combinado" units (fridge/freezer combos). This specific unit is pulled from a system running on

127V at 60Hz, common in Brazil and parts of North America. If you see that rust on the shell in the photo, check the base plate and vibration isolators; these units vibrate a fair bit when the rubber gets hard, which can lead to hairline fractures in the discharge line.

Full Nameplate Data Table

Detail	Specification
Brand	Embraco
Model	EMI 62UHR
Serial Number	513307032
Voltage / Hz / Phase	115-127 V / 60 Hz / 1 Phase
Refrigerant	R134a
Current (RLA)	2.0 A
Power (Input)	140 W
Manufacturing Origin	Brazil (Multibras S.A.)
Appliance Model	Consul CRD34BBANA
Charge Amount	110 g (from appliance label)

Technical Specifications Table

Property	Value
Application	MBP (Medium Back Pressure)
Horsepower (HP)	1/5 HP
Cooling Capacity	~630 BTU/h (approx. 185 W)
Displacement	5.20 cc
Motor Type	RSIR (Resistance Start – Inductive Run)
Evaporating Temp Range	-10°C to +10°C (14°F to 50°F)
Expansion Device	Capillary Tube

Electrical & Origin Details

- **Motor Protector:** Internal/External overload protector (T0490/G6).
- **Relay Type:** PTC (Positive Temperature Coefficient).
- **Start Capacitor:** Not required for RSIR (Standard configuration).
- **Manufacturing Country:** Brazil.
- **Appliance Data:** This unit is paired with the **CRD34B** Consul refrigerator, which features a total volume of 322L and a freezing capacity of 3.6kg every 24 hours.

Efficiency Metrics Table

Evaporating Temp (°C)	Cooling Capacity (W)	Power Consumption (W)	Efficiency (W/W)
-10	185	140	1.32
-5	225	152	1.48

Evaporating Temp (°C)	Cooling Capacity (W)	Power Consumption (W)	Efficiency (W/W)
0	275	165	1.67
+5	330	180	1.83

Drop-in Replacements

If you can’t find the exact EMI 62UHR, these units will bolt up and handle the load, provided you match the 127V/60Hz requirement:

- **Embraco:** FF7.5HBK (Heavy-duty alternative)
- **Embraco:** EMT6170Z (Modern high-efficiency swap)
- **Secop / Danfoss:** TLES5.7FT.3
- **Tecumseh:** THB1355YXA
- **Jiaxipera:** GPY12AF
- **GMCC:** SZ59C1H



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