

# Daewoo JX58LHS5-K vs Embraco FFI7.5HAK Comparison

**Site:** Mbsmpro

**Date:** January 31, 2026 | **Author:** www.mbsmpro.com

**URL:** <https://mbsmpro.com/daewoo-jx58lhs5-k-vs-embraco-ffi7-5hak-comparison/>



## Mbsmpro.com, Compressor, JX58LHS5-K vs FFI7.5HAK, Comparison, 1/5 hp and 1/5+ hp, R134a, LBP

Selecting the right compressor is the heartbeat of any refrigeration repair or design project. Today, we are diving deep into two stalwarts of the industry: the **Daewoo JX58LHS5-K** and the **Embraco FFI7.5HAK**. While both are engineered for R134a refrigerant and operate within the Low Back Pressure (LBP) range, they cater to slightly different cooling demands and

mechanical efficiencies.

The Daewoo JX58LHS5-K is a classic choice for domestic refrigerators, known for its “Tropicalized” rating, meaning it holds its own even when ambient temperatures soar. On the other hand, the Embraco FFI7.5HAK is a heavy-hitter in the 1/5+ HP category, often favored for its robust build and reliability in both household and light commercial applications.

## Technical Comparison Table

<b>Feature</b>	<b>Daewoo JX58LHS5-K</b>	<b>Embraco FFI7.5HAK</b>
<b>Model</b>	JX58LHS5-K	FFI7.5HAK
<b>Utilization</b>	LBP	LBP
<b>Domaine</b>	Freezing / Cooling	Freezing / Cooling
<b>Cooling Wattage (- 23.3°C)</b>	~140 W	~170 W
<b>Capacity (Cubic Feet)</b>	8 - 10 cu.ft	10 - 12 cu.ft
<b>Capacity (Litres)</b>	250 - 300 L	300 - 350 L
<b>Kcal/h</b>	120 Kcal/h	146 Kcal/h
<b>Oil Type / Qty</b>	POE / 200cc	POE / 280cc
<b>Horsepower (HP)</b>	1/5 HP	1/5+ HP
<b>Refrigerant Type</b>	R134a	R134a
<b>Power Supply</b>	220-240V 50Hz	220-240V 50/60Hz
<b>Cooling Capacity BTU</b>	478 BTU/h	580 BTU/h
<b>Motor Type</b>	RSIR	RSCR / CSIR
<b>Displacement</b>	5.8 cm <sup>3</sup>	6.76 cm <sup>3</sup>

<b>Feature</b>	<b>Daewoo JX58LHS5-K</b>	<b>Embraco FFI7.5HAK</b>
<b>Winding Material</b>	Copper	Copper
<b>Pressure Charge</b>	0.5 – 1.2 Bar (Low side)	0.6 – 1.5 Bar (Low side)
<b>Capillary Size</b>	0.031" x 3m	0.036" x 3m
<b>Ref. Application</b>	Standard Home Fridge	Large Fridge / Showcase
<b>Fan Requirement</b>	No (Static)	No (Static)
<b>Amperage (RLA)</b>	0.8 A – 1.0 A	1.1 A – 1.3 A
<b>LRA (Locked Rotor)</b>	4.7 A	14.0 A
<b>Relay Type</b>	PTC	PTC / Current Relay
<b>Capacitor</b>	No	Optional (Run 5µF)
<b>Origin</b>	South Korea	Brazil

## Efficiency Metrics (COP) & Performance Data

Efficiency is measured by the Coefficient of Performance (COP). Below is the projected performance for the **Embraco FFI7.5HAK**, which represents the higher-end performance curve for this comparison.

<b>Evaporating Temp (°C)</b>	<b>Cooling Capacity (Watts)</b>	<b>Power Consumption (Watts)</b>	<b>COP (W/W)</b>
-30	115	110	1.05
-25	155	125	1.24

<b>Evaporating Temp (°C)</b>	<b>Cooling Capacity (Watts)</b>	<b>Power Consumption (Watts)</b>	<b>COP (W/W)</b>
-23.3	170	132	1.29
-20	205	145	1.41
-15	265	165	1.61
-10	335	185	1.81

---

### **Direct Replacements (R134a)**

If you cannot find these exact models, use these equivalents using the **same gas**:

1. **ZMC GM70AZ** (Reliable 1/5 HP alternative)
2. **Secop (Danfoss) TLS6F**
3. **ACC GVY66AA**
4. **Tecumseh THG1365Y**
5. **Huayi HYE69YG**

### **Alternative Gas Replacements (R600a Conversion)**

*Note: Converting to R600a requires a complete system flush and specific R600a charging equipment.*

1. **Embraco EMX70CLC**
2. **Secop NLE7KK**
3. **Donper S75CZ**
4. **Jiaxipera T1114Y**
5. **ACC HMK95AA**

---

## Engineering Insights: Choosing Between the Two

Working in the field, we see that the **Daewoo JX58LHS5-K** is exceptionally resilient to voltage fluctuations common in tropical regions. However, the **Embraco FFI7.5HAK** offers a higher displacement (6.76 cm<sup>3</sup> vs 5.8 cm<sup>3</sup>), making it the superior choice if you are repairing a unit that requires faster pull-down times or operates in a high-traffic kitchen where the door is frequently opened.

**Maintenance Tip:** Always check the LRA (Locked Rotor Amps). The Embraco's high LRA of 14.0 suggests a very strong start torque, which is excellent for older systems where the capillary might be slightly restricted, though it requires a robust start relay.

---

**Focus Keyword:** Daewoo JX58LHS5-K vs Embraco FFI7.5HAK Comparison

**SEO Title:** Mbsmpro.com, Compressor JX58LHS5-K and FFI7.5HAK, 1/5 HP Guide

**Meta Description:** Detailed technical comparison of Daewoo JX58LHS5-K and Embraco FFI7.5HAK compressors. Explore cooling capacity, COP metrics, R134a replacements, and engineering tips for refrigeration repair.

**Slug:** daewoo-jx58lhs5-k-vs-embraco-ffi7-5hak-comparison

**Tags:** Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm, JX58LHS5-K, FFI7.5HAK, Daewoo Compressor, Embraco, GM70AZ, TLS6F, GUY66AA, THG1365Y, HYE69YG, R134a, 1/5 HP Compressor, Refrigeration Repair

**Excerpt:** Selecting the right compressor is the heartbeat of any refrigeration repair. Today, we dive deep into the Daewoo JX58LHS5-K and Embraco FFI7.5HAK. Both use R134a and operate in the LBP range, but their cooling capacities and displacements differ, making one better suited for tropical climates and the other for high-performance pull-down needs.





[mbsmpro.com-Daewoo JX58LHS5-K vs Embraco FFI75HAK Comparison Download](#)

## 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 ?](#)

