

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

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## 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>	Daewoo <a href="#">JX58LHS5-K</a>	<a href="#">Embraco FFI7.5HAK</a>
<b>Model</b>	<a href="#">JX58LHS5-K</a>	<a href="#">FFI7.5HAK</a>
<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>	<a href="#">R134a</a>	<a href="#">R134a</a>
<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>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

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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.

Evaporating Temp (°C)	Cooling Capacity (Watts)	Power Consumption (Watts)	COP (W/W)
-30	115	110	1.05
-25	155	125	1.24
-23.3	170	132	1.29
-20	205	145	1.41
-15	265	165	1.61
-10	335	185	1.81

## Direct Replacements (R134a)

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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)

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*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

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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 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 Keyphrase:** 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](#), [GVY66AA](#), [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.

DC JX58LHS5 - K

220-240V ~ 50Hz

LRA 4.7

THERMALLY PROTECTED  
TROPICALIZED

DAEWOO ELECTRONICS Corp.

R134a

RoHS

MADE IN KOREA



JX58LHS5 - K C1192103787





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