

# Jiaxipera NX1122Y R600a

## Compressor 1/4 hp Specs and Replacement

**Site:** Mbsmpro

**Date:** February 20, 2026 | **Author:** www.mbsmpro.com

**URL:** <https://mbsmpro.com/jiaxipera-nx1122y-compressor-specs-replacement/>



# **Mbsm.pro, Compressor, Jiaxipera, NX1122Y, 1/4 hp, R600a, 200 W, 0.9 A, 1Ph 220-240V 50Hz, LBP, RSCR, - 35°C to -15°C, Freezing**

The Jiaxipera NX1122Y is a powerhouse in the world of domestic refrigeration. If you've cracked open the back of a modern Indesit, Hotpoint, or Whirlpool fridge lately, there is a very high chance you've seen this black "egg" sitting at the bottom. It's a high-efficiency R600a unit designed specifically for low back pressure (LBP) applications—meaning it thrives in freezers and the freezer compartments of large combi-fridges.

Technically speaking, this is an RSCR (Resistive Start Capacitive Run) motor, which helps it sip electricity rather than gulp it. With a displacement of 11.2cc, it hits that "sweet spot" of being powerful enough for large family units while remaining remarkably quiet.

---

## **Technical Specifications: Jiaxipera NX1122Y**

Feature	Specification Details
<b>Model</b>	NX1122Y
<b>Utilisation</b>	LBP (Low Back Pressure)
<b>Domaine</b>	Freezing / Deep Freezing

Feature	Specification Details
<b>Cooling wattage at - 23.3°C</b>	198 – 205 Watts
<b>Cubic feet (approx. cool)</b>	14 to 18 cu.ft.
<b>Litres (approx. cool)</b>	400 – 500 Liters
<b>Kcal/h</b>	172 Kcal/h
<b>TON (Refrigeration)</b>	0.057 Ton
<b>Oil Type and Quantity</b>	Mineral / POE (approx. 180ml – 220ml)
<b>Horsepower (HP)</b>	1/4 HP
<b>Refrigerant Type</b>	R600a (Isobutane)
<b>Power Supply</b>	220-240V / 50Hz / 1 Phase
<b>Cooling Capacity BTU</b>	682 – 700 BTU/h
<b>Motor Type</b>	RSCR (Run Capacitor required)
<b>Displacement</b>	11.2 cm <sup>3</sup>
<b>Winding Material</b>	Copper
<b>Pression Charge</b>	Low Pressure (Suction)
<b>Capillary Tube (Rec.)</b>	0.031" or 0.036" (depending on length)
<b>Refrigerator Models</b>	Indesit, Ariston, Hotpoint, Whirlpool Bauknecht
<b>Temperature Function</b>	-35°C to -15°C
<b>Fan Requirement</b>	Static (No fan) or forced air depending on cabinet

Feature	Specification Details
<b>Commercial use?</b>	Primarily Domestic / Light Commercial
<b>Amperage (Running)</b>	0.85 A to 1.1 A
<b>LRA (Locked Rotor Amps)</b>	6.5 A
<b>Type of Relay</b>	PTC Start Relay
<b>Capacitor Value</b>	4 $\mu$ F or 5 $\mu$ F (Run Capacitor)
<b>Country of Origin</b>	China (Jiaxipera Compressor Co.)

---

## Efficiency Metrics (COP)

Knowing how the compressor performs under different thermal loads is key for any tech calibrating a system.

Evaporating Temp (°C)	Cooling Capacity (Watts)	Power Consumption (Watts)	COP (W/W)
-35	115	108	1.06
-30	152	125	1.21
<b>-23.3</b>	<b>200</b>	<b>148</b>	<b>1.35</b>
-20	228	160	1.42
-15	275	178	1.54
-10	335	200	1.67

---

## Replacement Guide

When you can't find the exact Jiaxipera model, you need something that matches the displacement and the BTU output. Here are the best alternatives:

### **5 Replacements (Same Gas: R600a)**

1. **Embraco:** EMY70CLP or EMY80CLP
2. **Secop (Danfoss):** TLES10KK.3
3. **Siklan:** GVY11AA
4. **ACC / Cubigel:** HMK12AA
5. **Huayi:** HYB11AA

### **5 Replacements (Other Gas: R134a)**

*Note: This requires a full system flush and oil check.*

1. **Embraco:** EMT6170Z (Requires expansion valve/capillary adjustment)
2. **Secop:** TLES7.5FT.3
3. **Jiaxipera:** NT1114Z
4. **ACC:** GVY75AA
5. **Tecumseh:** THG1374YS

---

**Focus Keyword:** Jiaxipera NX1122Y R600a Compressor 1/4 hp Specs and Replacement

**SEO Title:** Mbsm.pro - Jiaxipera NX1122Y Compressor 1/4 HP R600a Specs & Equivalents

**Meta Description:** Full technical guide for the Jiaxipera NX1122Y compressor. Includes cooling capacity (Watts/BTU), amperage, wiring diagrams, and a list of 10 compatible R600a and R134a replacements for

professional fridge repair.

**Slug:** jiaxipera-nx1122y-compressor-specs-replacement

**Tags:** Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm, Jiaxipera, NX1122Y, R600a, Compressor, Refrigeration Repair, EMY70CLP, TLES10KK, HMK12AA, 1/4 HP, LBP, Fridge Parts

**Excerpt:** The Jiaxipera NX1122Y is a high-efficiency 1/4 HP compressor designed for modern R600a refrigeration systems. Commonly used in Whirlpool and Indesit appliances, it offers roughly 200W of cooling capacity at LBP conditions. This guide covers its full technical specifications, COP efficiency data, and provides a comprehensive list of compatible replacement models for technicians and DIY repair.



1/4 HP, Compressor, EMY70CLP, HMK12AA, Jiaxipera, LBP, mbsm, mbsm.pro, mbsmgroup, mbsmpro.com, NX1122Y, R600a, Refrigeration Repair, TLES10KK

[Embraco EMT55HLC vs Daewoo HSL19JE-5 R134a LBP compressor comparison 1\\_5 HP replacement guide technical specifications cooling capacity COP performance - MbsmproDownload](#)

## 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 ?