

# Panasonic SFH39C73H Compressor

## Specs and Replacements

**Site:** Mbsmpro

**Date:** February 25, 2026 | **Author:** www.mbsmpro.com

**URL:** <https://mbsmpro.com/panasonic-sfh39c73h-compressor-1-5-hp-r134a-specs/>



# **R134a, refrigerant, compressor**

## **SFH39C73H, 220-240V 50Hz, LBP,**

### **1/5 hp**

#### **Description**

**Mbsm.pro: Compressor, Panasonic, SFH39C73H, 1/5 HP, 1Ph, 220-240V 50Hz, R134a, LBP, Refrigeration & Freezing**

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#### **Technical Specifications Table**

| <b>Feature</b>             | <b>Details</b>                           |
|----------------------------|--|
| Model                      | SFH39C73H                                |
| Utilisation                | LBP (Low Back Pressure)                  |
| Domaine                    | Refrigeration/Freezing/Cooling           |
| Cooling Wattage at -23.3°C | Approx. 105-110 W                        |
| Cubic Feet Capacity        | 4 to 7 cu. ft. (Depending on insulation) |
| Litres Capacity            | 100 to 200 Liters                        |
| Kcal/h                     | 90-95 Kcal/h (at -23.3°C)                |
| TON                        | ~0.03 Tons                               |
| Oil Type and Quantity      | Mineral Oil or POE, 180-220 ml           |
| Horsepower (HP)            | 1/5 HP                                   |

| <b>Feature</b>           | <b>Details</b>   |
|--------------------------|--|
| Refrigerant Type         | R134a  |
| Power Supply             | 220-240V/50Hz/1Ph  |
| Cooling Capacity BTU     | 360-380 BTU/h (at -23.3°C)                               |
| Motor Type               | RSCR (Resistance Start Capacitor Run) or RSIR            |
| Displacement             | 3.9 cm <sup>3</sup>                                      |
| Winding Material         | Copper   |
| Pression Charge          | 8-12 Bar (High Side)                                     |
| Capillary Recommendation | 0.028" to 0.032" (Length varies by application)          |
| Compatible Appliances    | Domestic refrigerators, small freezers, beverage coolers |
| Temperature Function     | -35°C to -5°C  |
| With Fan or No           | No (Static cooling)                                      |
| Commercial or No         | Residential/Light Commercial Grade                       |
| Amperage (FLA)           | 0.8 A to 1.2 A   |
| LRA (Locked Rotor Amps)  | 5.5 A to 7.0 A   |
| Type of Relay            | PTC Relay or Current Relay (Panasonic specific)          |
| Capacitor Value          | Not required for RSIR; 10-15 µF for RSCR                 |
| Origin/Exporting         | Designed in Japan/Manufactured in Singapore or China     |

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## Replacement Model:

| Brand      | Model Number                        |
|------------|-------------------------------------|
| danfoss    | SC10G, SC12G                        |
| embraco    | NL5FT, NL6FT                        |
| electrolux | SFH39C73H                           |
| foster     | SFH39 series                        |
| gec        | NL5FT                               |
| gorenje    | SFH39 compatible                    |
| huayi      | HYB35YG                             |
| lg         | MC3510Y, MC4010Y                    |
| matsushita | SFH39C73H, SF39C60RAW5              |
| panasonic  | SFH39C73H, SF39C60RAW5, SFH39C64RAW |
| secop      | SC10G-HST                           |
| tecumseh   | CAJ4410Z, CAJ4510Z                  |

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## Efficiency Metrics (COP) Table

Performance varies significantly based on how hard the unit is working.

Here is how the SFH39C73H performs across the temperature spectrum:

| Evaporating Temp (°C) | Cooling Capacity (Watts) | Power Consumption (Watts) | COP (W/W) |
|-----------------------|--------------------------|---------------------------|-----------|
| -35                   | 65                       | 68                        | 0.95      |
| -30                   | 82                       | 75                        | 1.09      |

| Evaporating<br>Temp (°C) | Cooling<br>Capacity<br>(Watts) | Power<br>Consumption<br>(Watts) | COP<br>(W/W) |
|--------------------------|--------------------------------|---------------------------------|--------------|
| -25                      | 95                             | 78                              | 1.22         |
| -23.3                    | 105                            | 80                              | 1.31         |
| -20                      | 115                            | 83                              | 1.39         |
| -15                      | 135                            | 88                              | 1.53         |
| -10                      | 158                            | 93                              | 1.70         |
| -5                       | 185                            | 98                              | 1.89         |

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## 5 Replacements (Same R134a Gas)

1. **Embraco NL5FT** (Direct equivalent, 1/5 HP, LBP)
  2. **Danfoss SC10G** (Strong alternative, reliable performance)
  3. **Tecumseh CAJ4410Z** (Classic reliable swap, R134a)
  4. **LG MC3510Y** (OEM quality, Korean manufacturing)
  5. **Huayi HYB35YG** (Budget-friendly alternative, Chinese manufacture)
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## 5 Replacements (Other Gas - R600a/R290)

*Note: Requires complete system flush and expansion valve/capillary adjustment.*

1. **Embraco EG60HLC** (R600a - Isobutane, very efficient)
2. **Danfoss SC10CNX** (R290 - Propane, modern refrigerant)
3. **Panasonic NR series** (R600a - Direct manufacturer alternative)
4. **Secop NL5FT-R600a** (R600a conversion variant)

## 5. **Tecumseh THB4510Z** (R600a - High efficiency)

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### **SEO Information**

**Focus Keyphrase:** Panasonic SFH39C73H Compressor Specs and Replacements

**SEO Title:** Mbsm.pro - Panasonic SFH39C73H Compressor: 1/5 HP R134a Technical Guide

**Meta Description:** Looking for Panasonic SFH39C73H specs? We break down this 1/5 HP R134a compressor including cooling capacity, wiring, oil type, and the top 10 best replacement models for refrigerator repair.

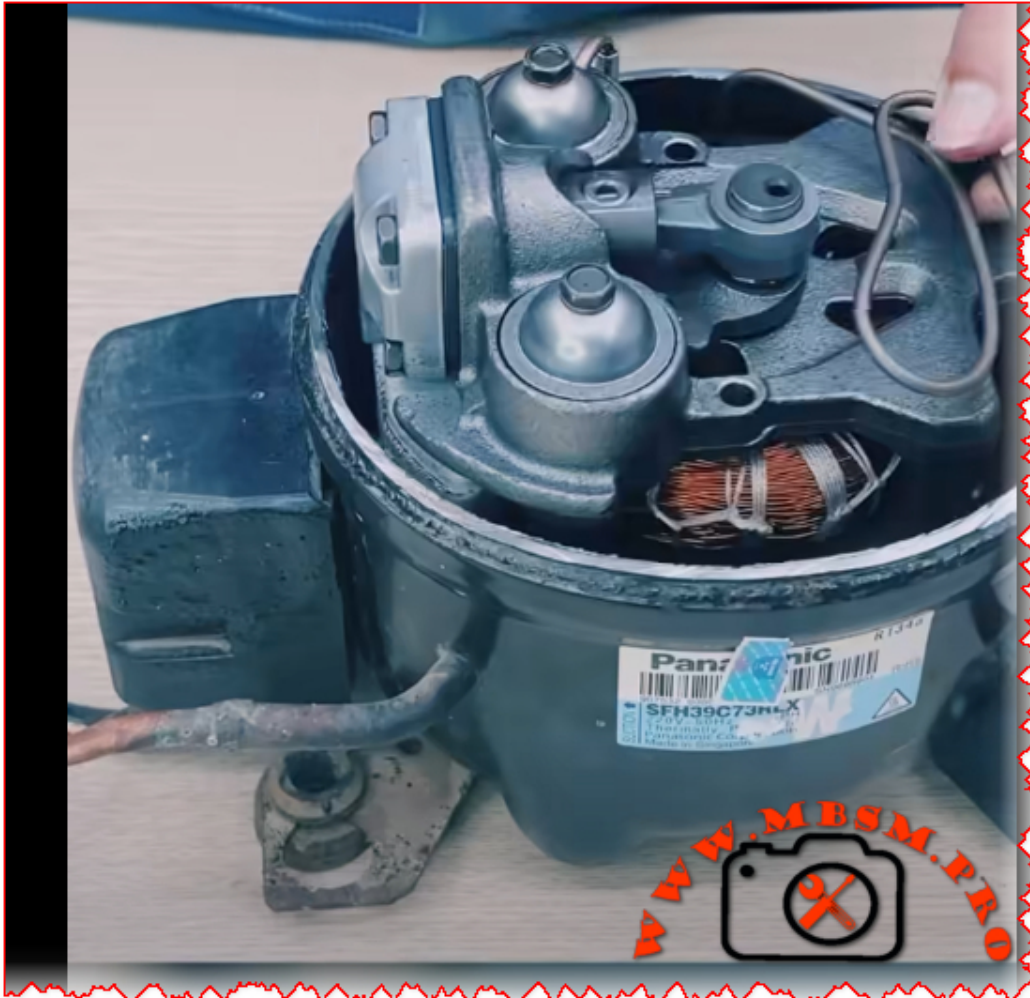
**Slug:** panasonic-sfh39c73h-compressor-1-5-hp-r134a-specs

**Tags:** Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm, Panasonic, SFH39C73H, SF39C, R134a, 1/5 HP, NL5FT, SC10G, CAJ4410Z, MC3510Y, HYB35YG, Compressor Replacement, HVAC, Refrigeration Repair, LBP Compressor, Refrigerator Compressor

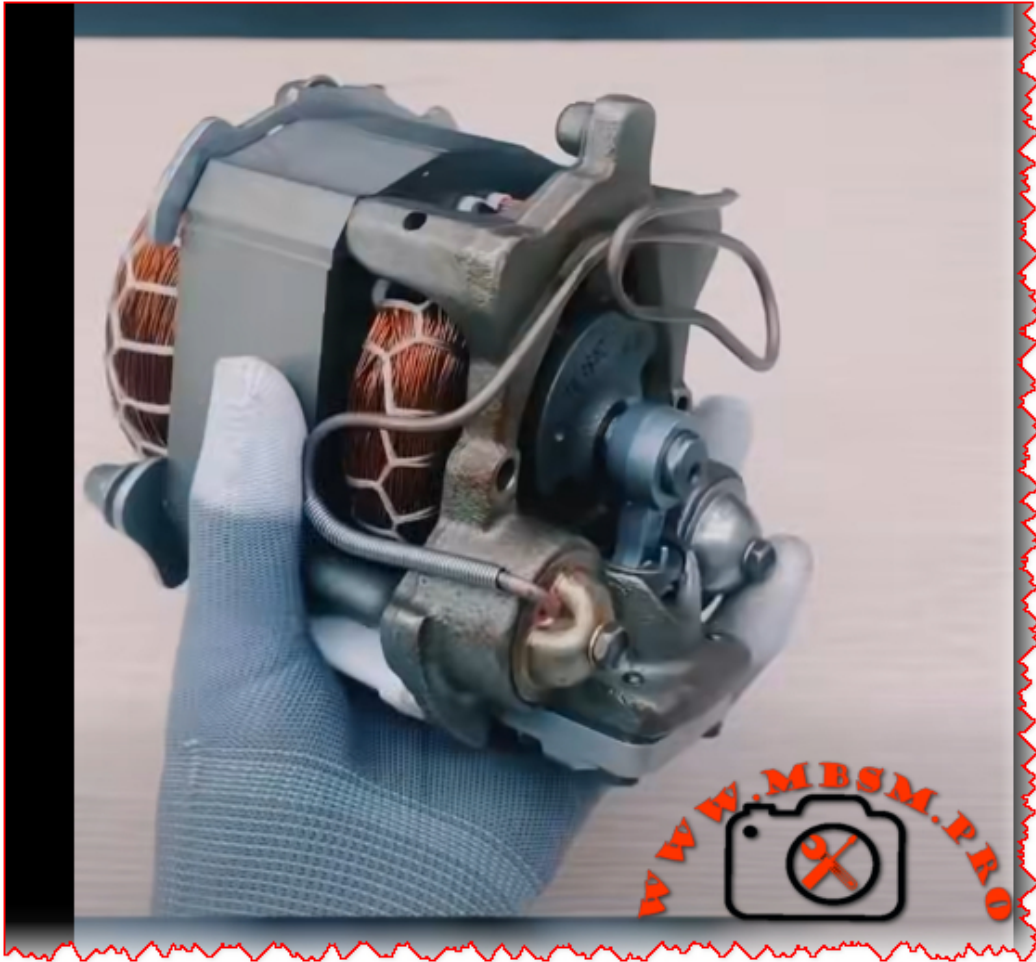
**Excerpt:** The Panasonic SFH39C73H is a compact 1/5 HP compressor designed for R134a refrigeration systems, commonly found in domestic refrigerators and small freezers. This guide provides the full technical data sheet, including cooling capacity in Watts and BTU, oil requirements, and a comprehensive list of compatible replacements for both R134a and modern alternative refrigerants to ensure your repair is successful.



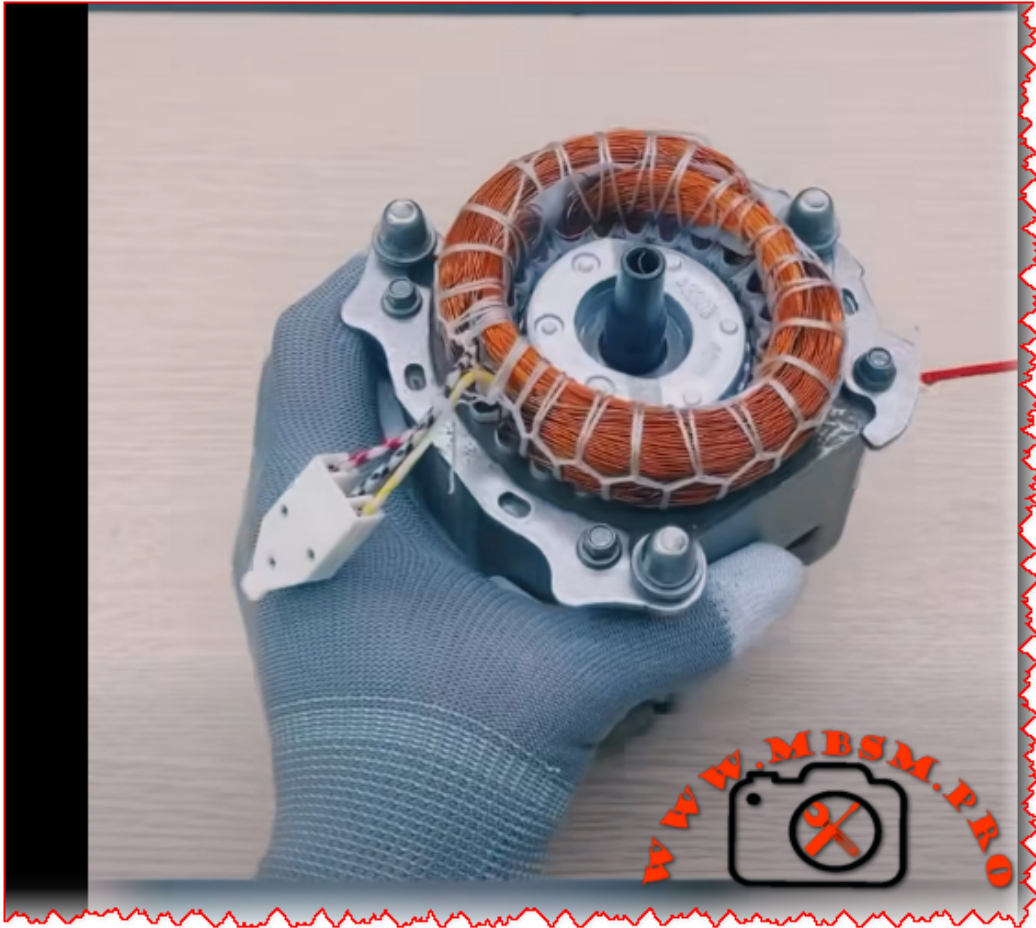
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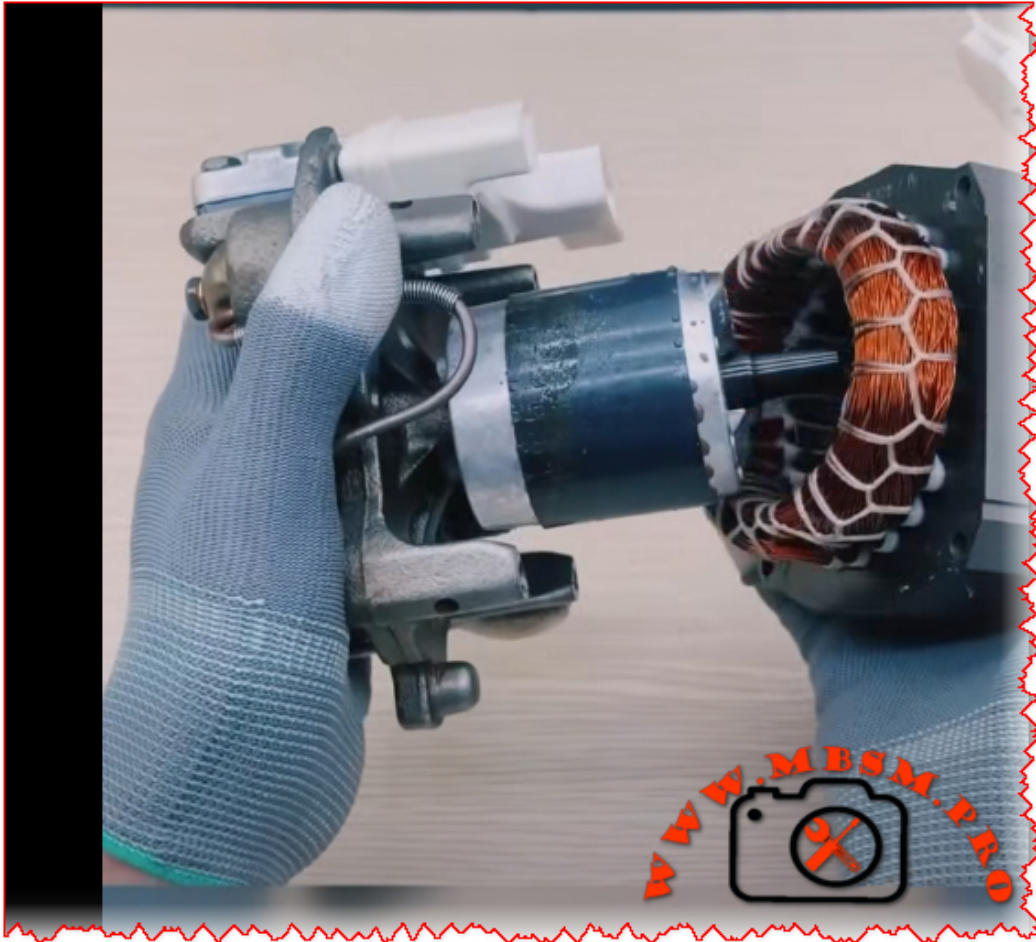
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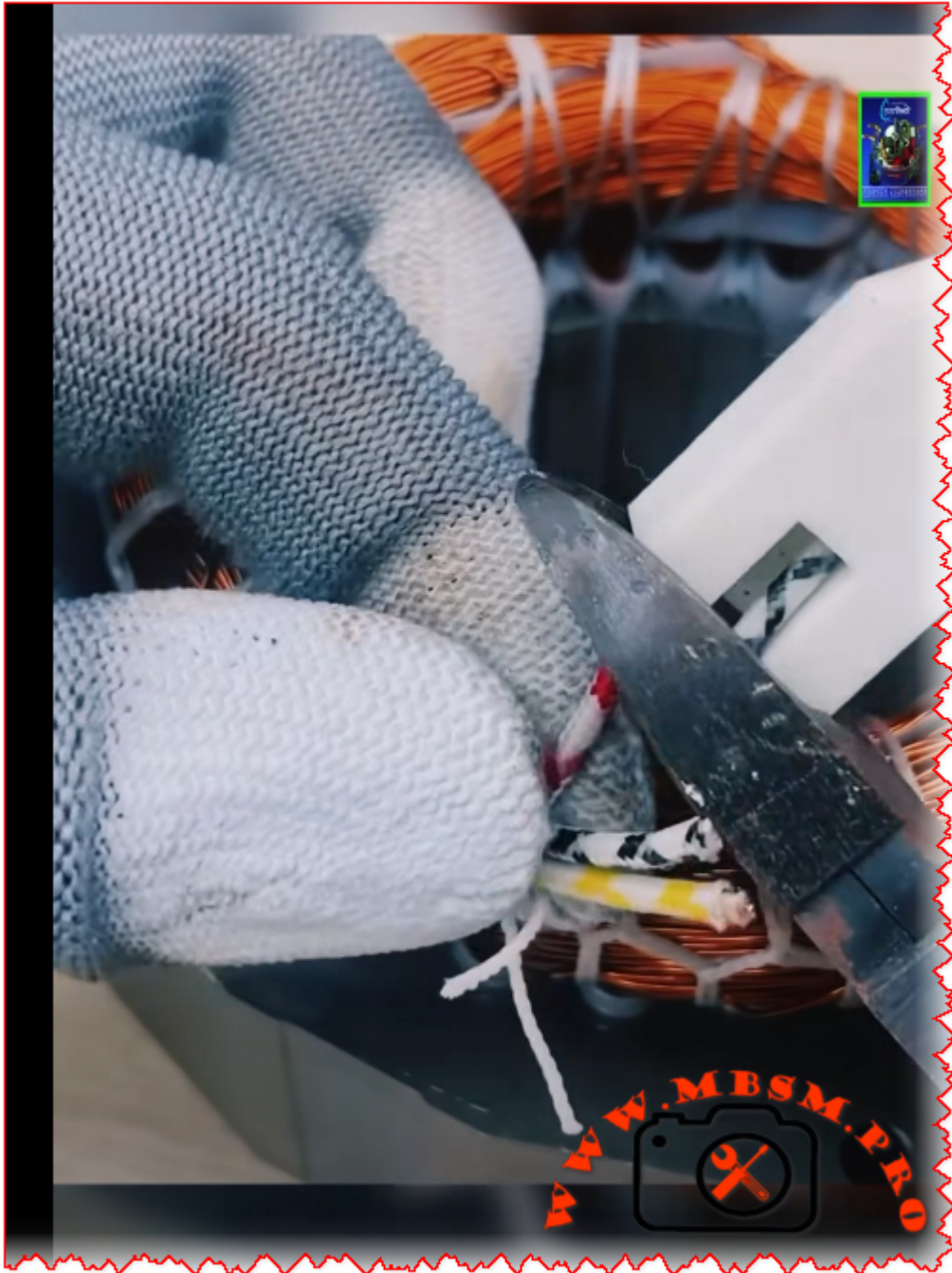
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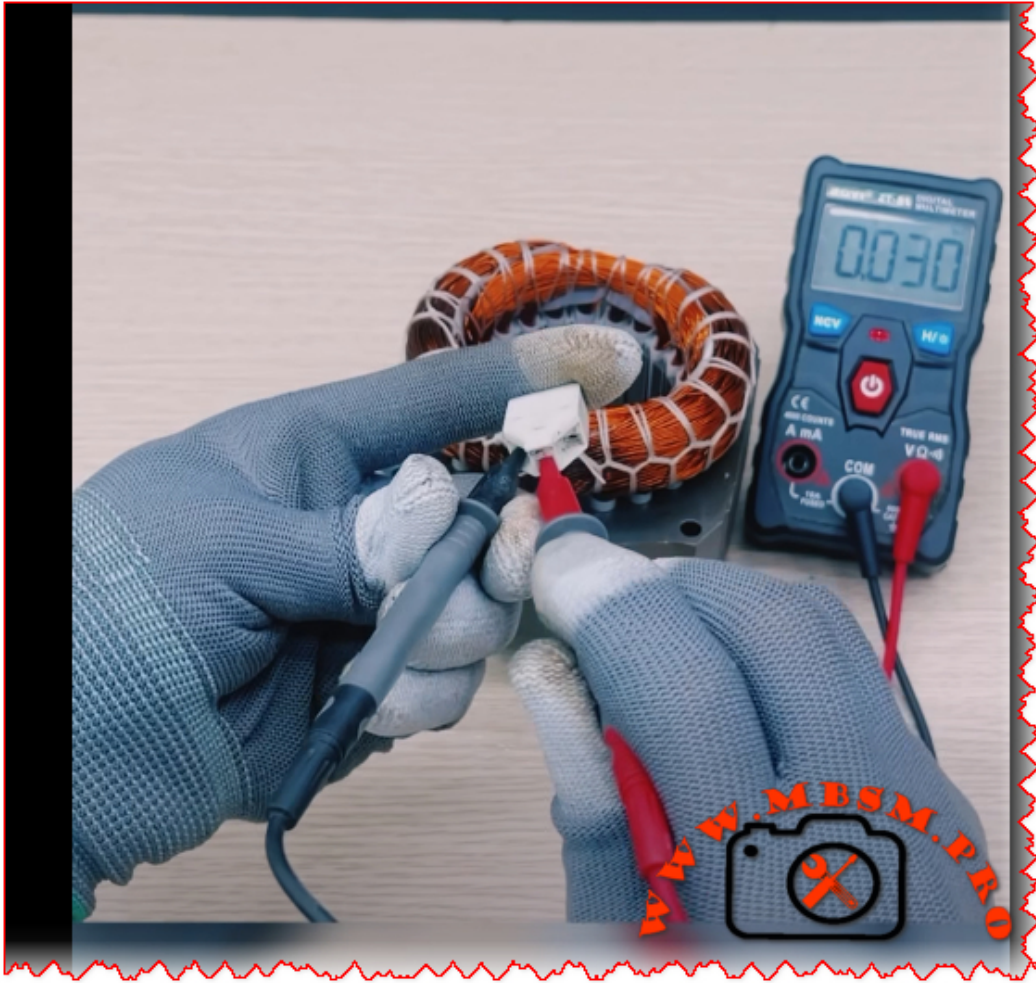
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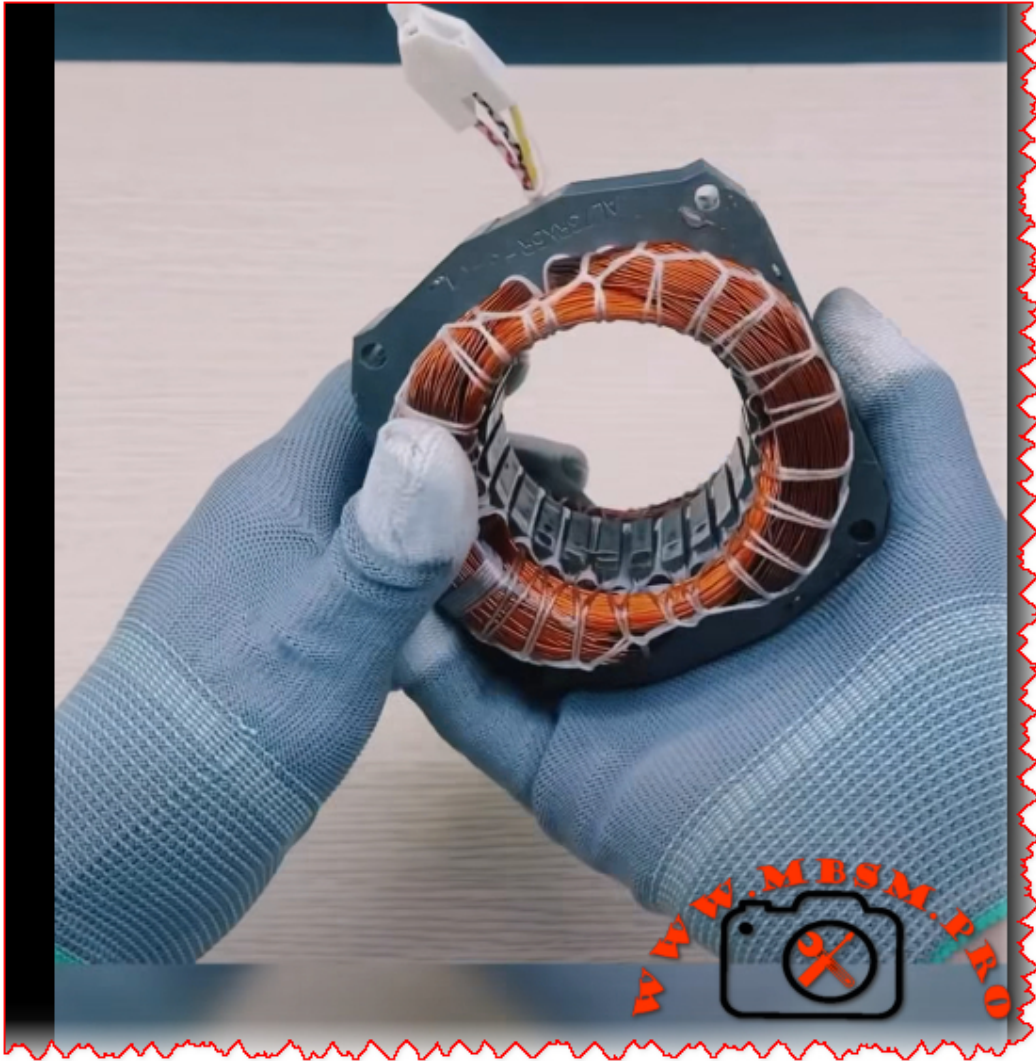
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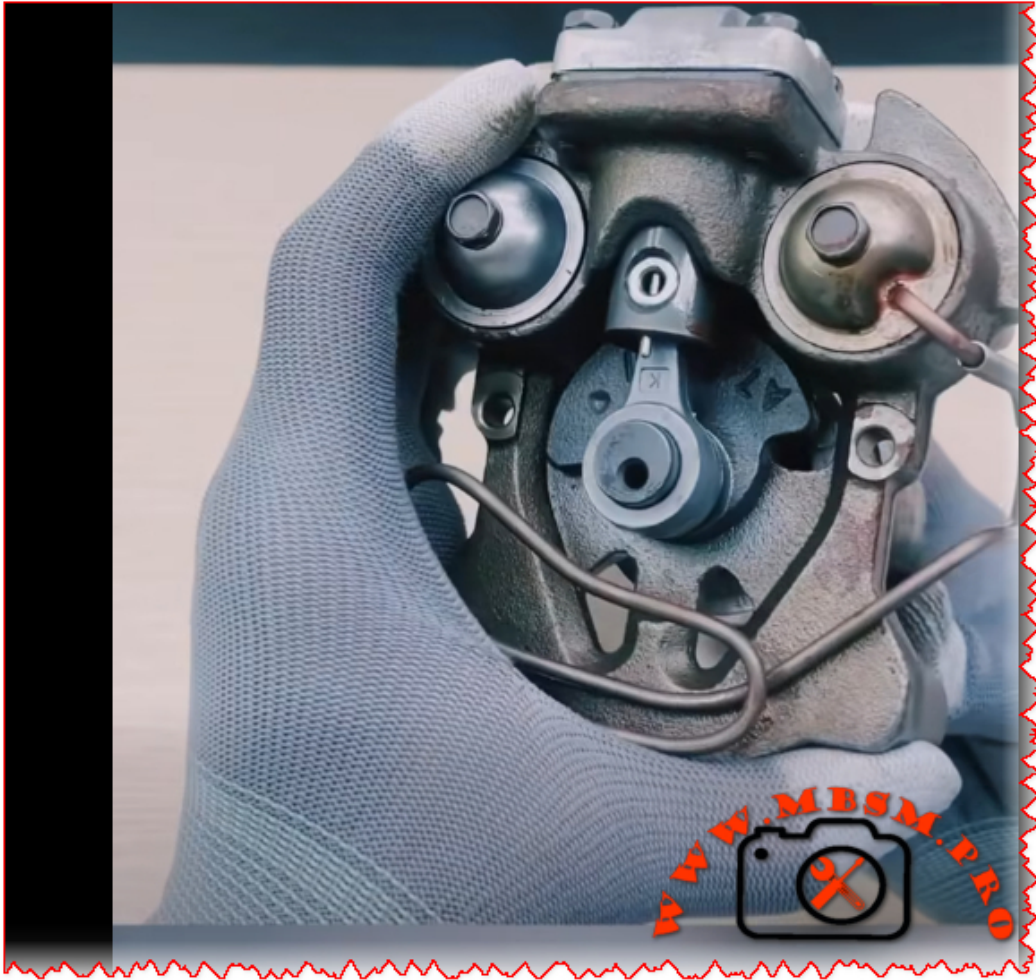
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| Caractéristiques du produit |                  |                            |                            |
|-----------------------------|------------------|----------------------------|----------------------------|
| Type                        | Piston           | Type De gaz                | Air                        |
| Source d'énergie            | AC PUISSANCE     | Modèle de lubrification    | Lubrifié                   |
| Méthode de refroidissement  | Refroidi par air | Configuration              | Stationnaire               |
| Tension                     | 115V/60Hz        | Machines Rapport D'essai   | Fourni                     |
| Vidéo sortant d'inspection  | Non disponible   | Muet                       | OUI                        |
| Garantie                    | 1 AN             | Composants de base         | Moteur                     |
| Poids (KG)                  | 6.5              | Point d'origine            | Singapore                  |
| Marque nom                  | woma             | Dimension (L*W*H)          | 30*18*20                   |
| Condition                   | Nouveau          | Service après-vente fourni | Pièces détachées gratuites |
| Poids                       | 9                | Certification              | CCC                        |
| Réfrigérant                 | R134a (en)       | Tension                    | 115V/60Hz                  |
| Puissance en chevaux        | 1/5HP            |                            |                            |



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