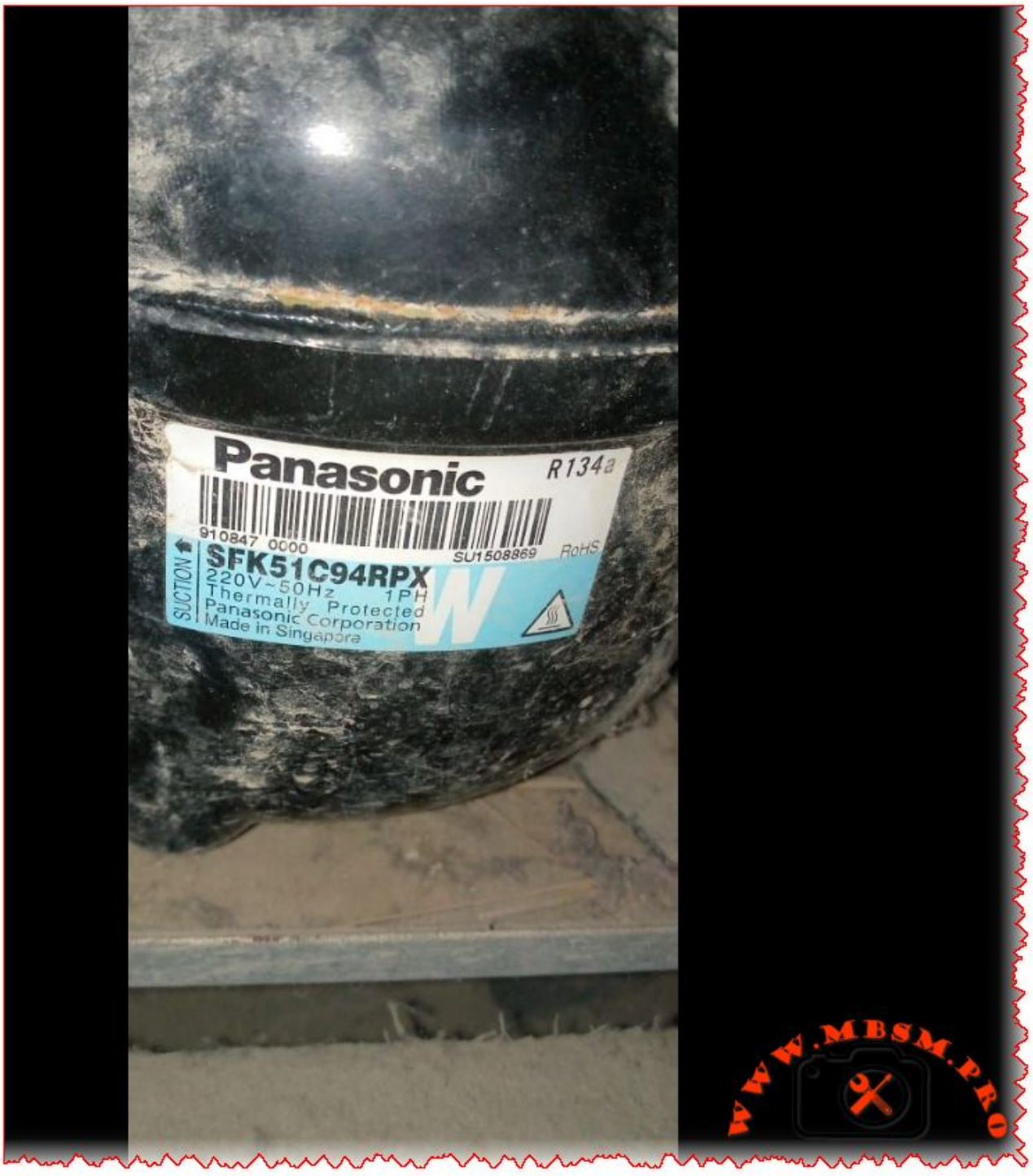
Panasonic SFK51C94RPX Compressor Specs and Replacements

Category: Refrigeration
written by www.mbsm.pro | 20 February 2026



Private Picture Copyright : WWW.MBSM.PRO

R134a, refrigerant, compressor SFK51C94RPX, 220V 50Hz, LBP, 1/6 hp

Description

Mbsm.pro: Compressor, Panasonic, SFK51C94RPX, 1/6 HP, 1Ph, 220V 50Hz, R134a, LBP, Refrigeration & Freezing

Technical Specifications Table

Feature	Details
Model	SFK51C94RPX
Manufacturer	Panasonic Corporation
Origin	Made in Singapore
Utilisation	LBP (Low Back Pressure)
Domaine	Domestic Refrigerators / Freezers
Cooling Wattage at -23.3°C	157 W (ASHRAE)
Cubic Feet Capacity	5 to 8 cu. ft. (Depending on insulation)
Litres Capacity	150 to 250 Liters
Kcal/h	135 Kcal/h
TON	~0.045 Tons
Oil Type and Quantity	Mineral Oil or POE, 280-320 ml
Horsepower (HP)	1/6 HP
Refrigerant Type	R134a
Power Supply	220V / 50Hz / 1Ph
Cooling Capacity BTU	535 BTU/h
Motor Type	RSCR (Resistance Start Capacitor Run)
Displacement	5.1 cm^3
Winding Material	Copper
Pression Charge	8-12 Bar (High Side)
Capillary Recommendation	0.028″ or 0.031″ (Length varies by application)
Compatible Appliances	Small to medium refrigerators, freezers, beverage coolers
Temperature Function	-35°C to -5°C
With Fan or No	Yes (Fan cooling required for compressor)
Commercial or No	Domestic Grade
Amperage (FLA)	1.0 A to 1.3 A
LRA (Locked Rotor Amps)	5.0-6.0 A
Type of Relay	PTC Relay with Run Capacitor
COP	1.35 W/W
Thermal Protection	Yes (Internal Thermal Protector)
Net Weight	6.0-7.0 kg

Efficiency Metrics (COP) Table

Performance varies based on operating conditions. Here is how the SFK51C94RPX performs across the temperature spectrum:

Evaporating Temp (°C)	Cooling Capacity (Watts)	Power Consumption (Watts)	COP (W/W)
-25	135	125	1.08
-20	165	135	1.22
-15	200	145	1.38
-10	240	155	1.55
-5	285	165	1.73
0	335	175	1.91

Evaporating Temp (°C)	Cooling Capacity (Watts)	Power Consumption (Watts)	COP (W/W)
5	390	185	2.11

Replacement Models

Brand	Model Number
Panasonic	SFK51C94RPX
Panasonic	QB51C99GLX5
Panasonic	DGH51C90RAX
Panasonic	SF Series variants

5 Replacements (Same R134a Gas)

1. **Embraco NEK6196Z** (Strong alternative, 1/6 HP, 6.5cc)
2. **Tecumseh THG1352YLS** (Classic reliable swap, 1/6 HP) everwellparts.com
3. **Cubigel GL60AA** (Excellent domestic equivalent, 5.99cc) frigopartners.com
4. **Danfoss SC10G** (Similar capacity, 10cc displacement)
5. **Huayi HYE11YG** (Budget-friendly alternative, 1/6 HP)

5 Replacements (Other Gas – R600a/R404A)

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

1. **Embraco EGU80HLP** (R600a – Isobutane, very efficient, 1/6 HP)
2. **Danfoss SC10CNX** (R290 – Propane, high efficiency)
3. **Tecumseh CAJ9480Z** (R404A – Higher capacity)
4. **Secop NL9FK** (R600a compatible variant)
5. **Cubigel HM60AA** (R600a – Energy efficient)

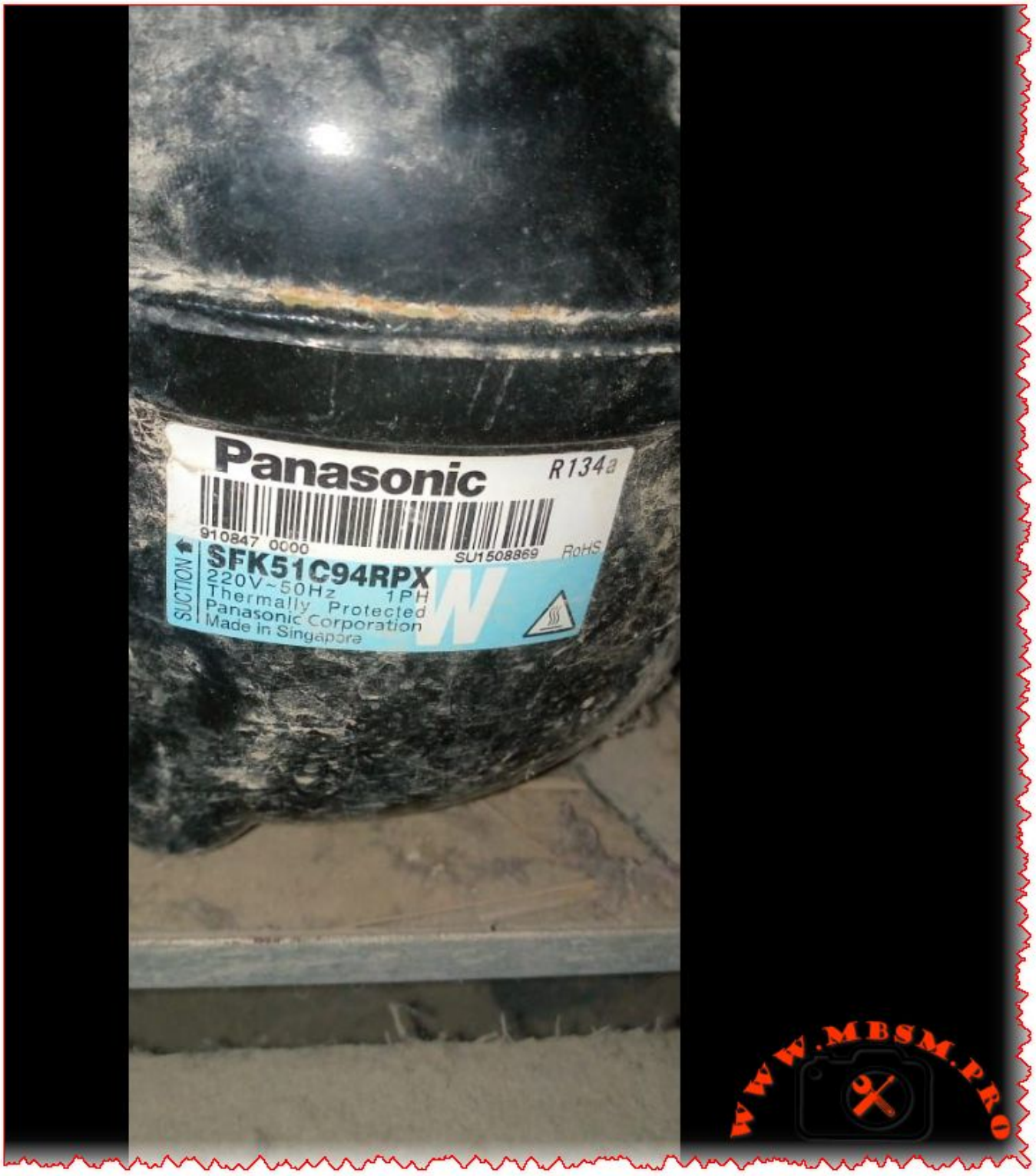
Key Features

- Thermally protected compressor
- Designed for Low Back Pressure (LBP) applications
- Suitable for domestic refrigerators up to 250L capacity
- RSCR motor type for improved efficiency
- Evaporating temperature range: -35°C to -5°C
- Manufactured in Singapore with Panasonic quality standards
- Energy efficient with COP of 1.35 okmarts.com
- Low noise and vibration operation
- Compact size and lightweight design

Focus Keyphrase: Panasonic SFK51C94RPX Compressor Specs and Replacements
SEO Title: Mbsm.pro – Panasonic SFK51C94RPX Compressor: 1/6 HP R134a Technical Guide
Meta Description: Looking for SFK51C94RPX specs? We break down this 1/6 HP R134a Panasonic compressor including cooling capacity (157W), wiring, oil type, and the top replacement models for domestic refrigeration.
Slug: panasonic-sfk51c94rpx-compressor-1-6-hp-r134a-specs
Tags: Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm, Panasonic, SFK51C94RPX, SF Series, R134a, 1/6 HP, LBP, Low Back Pressure, NEK6196Z, THG1352YLS, GL60AA, SC10G, Compressor Replacement, HVAC, Refrigeration Repair, Domestic Refrigerator,

Singapore

Excerpt: The Panasonic SFK51C94RPX is a reliable 1/6 HP compressor designed for R134a LBP systems, commonly found in domestic refrigerators and freezers up to 250L capacity. This guide provides the full technical data sheet, including cooling capacity (157W at ASHRAE), oil requirements (280-320ml), and a comprehensive list of compatible replacements for both R134a and modern alternative refrigerants to ensure your repair is successful.



Private Picture Copyright : WWW.MBSM.PRO

Panasonic SFK51C94RPX Compressor Specs and Replacements mbsmpro