

8214JH4 ebmpapst 24V DC Axial Fan

SKU: 8214JH4

Price: \$91.28

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/8214jh4-ebmpapst-24v-dc-axial-fan/>

Product Description

The ebmpapst 8214JH4 is a compact DC axial fan with dimensions of 80x80x38mm. It is equipped with ball bearings and designed for air outlet over struts, rotating counterclockwise when viewed toward the rotor. This fan operates on a nominal voltage of 24VDC, with a broad operating voltage range from 12VDC to 27.6VDC. It achieves a speed of 14000RPM, with a power consumption of 39.6W, a current draw of 1650mA, and provides an air flow of 222m³/h. The maximum static pressure is 710Pa.

The fan's housing and impeller are both constructed from plastic. It generates a sound power level of 7.8bel(A) and a sound pressure level of 71dB(A). The 8214JH4 features speed-controlled electronic functions, reversed polarity protection via a rectifying diode, and auto-restart locked rotor protection. It also provides a Tacho output (open collector). The fan is designed for operation within ambient temperatures ranging from -20°C to 70°C, and its transport/storage temperature range is -40°C to 80°C. Electrical connection is made via wires, with a lead length of 310mm, using AWG 22 wires with 1.3mm insulation diameter. It has a Protection Class III and is approved by CE, EAC, UL (UL507), VDE (EN 60950), and CSA (C22.2 No. 113). The expected service life (L10) is 50000 hours at 40°C and 25000 hours at maximum temperature.

8214JH4 Fan Parameters

Model: 8214JH4

Manufacturer: ebmpapst

Type: DC Axial Fan

Nominal Voltage: 24 V DC

Nominal voltage range: 12 .. 27.6 V DC

Speed: 14000 RPM

Power consumption (at 24V): 39.6 W

Current consumption (at 24V): 1650 mA

Min. ambient temperature: -20 °C

Max. ambient temperature: 70 °C
Air flow: 222 m³/h
Sound power level: 7.8 B
Sound pressure level: 71 dB(A)
Width: 80.0 mm
Height: 80.0 mm
Depth: 38.0 mm
Housing material: Plastic
Impeller material: Plastic
Rotating direction: Counterclockwise, looking at rotor
Airflow direction: Air outlet over struts
Bearing system: Ball bearing
Mounting position: Any
Electrical connection: Wires
Lead wire length: 310 mm
Wire size: AWG 22
Insulation diameter: 1.3 mm
Max. static pressure: 710 Pa
Optimal operating point: 135.0 m³/h @ 330 Pa
Min. storage temperature: -40 °C
Max. storage temperature: 80 °C
Humidity requirements: Humid heat, constant
Water exposure requirements: None
Dust requirements: None
Salt fog requirements: None
Dielectric strength (Type test): 500 VAC / 1 Min.
Dielectric strength (Routine test): 850 VDC / 1 Sec.
Isolation resistance: > 10 MOhm
Clearance / creepage distance: 1.0 mm / 1.2 mm
Protection class: III
Electronic function: Speed-Controlled
Reversed polarity protection: Rectifying diode
Max. residual current at UN: <= 150 uA
Locked rotor protection: Auto restart
Locked rotor current at UN: approx. 6.000 mA
Tacho type: Open collector
Tacho operating voltage Usb: <= 60.0 V
Tacho signal Low Us low: <= 0.4 V
Tacho signal High Us high: <= 60 V
Maximum sink current: <= 4 mA
Tacho isolated from motor: No
Life expectancy L10 at TU = 40 °C: 50000 h

Life expectancy L10 at TU max.: 25000 h

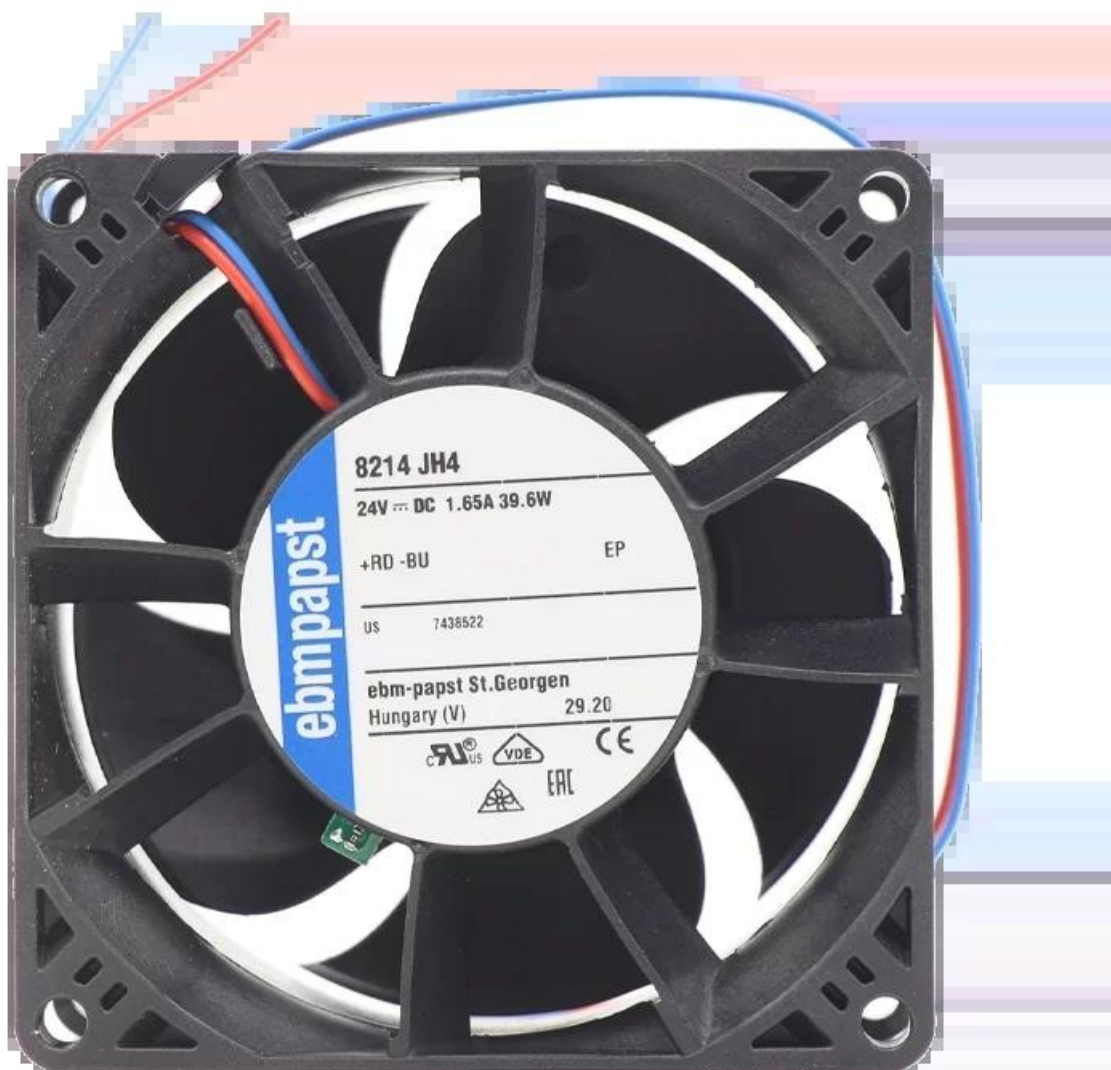
Life expectancy L10 acc. to IPC 9591 at 40 °C: 85000 h

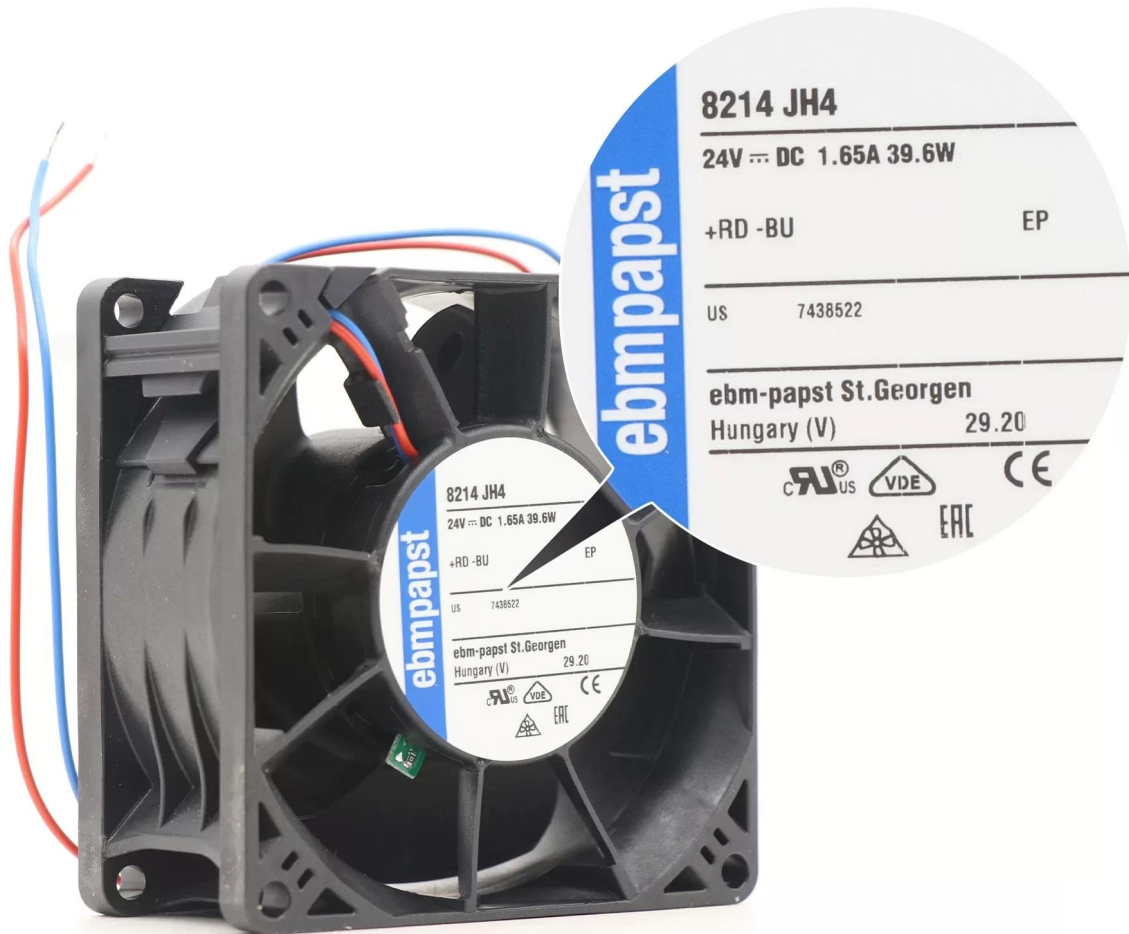
Approval: CE; EAC; UL (UL507); VDE (EN 60950); CSA (C22.2 No. 113)

Weight: 0.210 kg

Application: Sheltered rooms with controlled temperature and humidity.

Product Images







► 配件 Accessories



铁网
Guard Grille

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