

3414N ebmpapst 24V 2.3W fan

SKU: 3414N

Price: \$42.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/3414n-ebmpapst-24v-2-3w-fan/>

Product Description

The ebmpapst 3414N is a DC Axial Fan with compact dimensions of 92 x 92 x 25 mm. It operates on a nominal voltage of 24VDC, with an operating voltage range of 18V to 28VDC. This fan provides an airflow of 84 m³/h (49.4 CFM) while running at a speed of 2700 RPM. It has a power input of 2.1 W and a sound pressure level of 32 dB(A), with a sound power level of 4.7 B.

The 3414N is equipped with a ball bearing system and is designed to operate in ambient temperatures ranging from -20°C to 70°C. The housing is made from glass-fiber reinforced PBT plastic, and the impeller is made from glass-fiber reinforced PA plastic. Its airflow direction is exhaust over struts, and the rotation is counter-clockwise when viewed toward the rotor. It features an IP20 type of protection and an insulation class of "A". The motor is protected against reverse polarity and locked rotor. The fan is equipped with Leads AWG 24, TR 64, stripped and tin-plated. It has a service life of 70000 hours at 40°C and 35000 hours at maximum temperature. Approvals include VDE, CSA, and UL. Optional features include a speed signal. For transport and storage, the motor is permitted in ambient temperatures between -40°C and +80°C. It also conforms to EMC standards EN 61000-6-2 for immunity and EN 55022 (Class B) for emission.

3414N Fan Parameters

Model: 3414N

Manufacturer: ebmpapst

Type: DC Axial Fan

Nominal Voltage: 24 VDC

Nominal Voltage Range: 18...28 VDC

Speed: 2700 RPM

Power Input: 2.1 W

Airflow: 84 m³/h (49.4 CFM)

Sound Power Level: 4.7 B

Sound Pressure Level: 32 dB(A)

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Max. Permitted Ambient Temperature for Motor (transport/storage): +80 °C

Min. Permitted Ambient Temperature for Motor (transport/storage): -40 °C

Housing Material: Glass-fiber reinforced PBT plastic

Impeller Material: Glass-fiber reinforced PA plastic

Weight: 0.100 KG

Dimensions: 92 x 92 x 25 mm

Airflow Direction: Exhaust over struts

Direction of Rotation: Counter-clockwise, viewed toward rotor

Motor Bearing: Ball bearing

Service life L10 at 40 °C: 70000 h

Service life L10 at maximum temperature: 35000 h

Cable: Leads AWG 24, TR 64, stripped and tin-plated

Motor Protection: Protection against reverse polarity and blocked rotor

Approval: VDE, CSA, UL

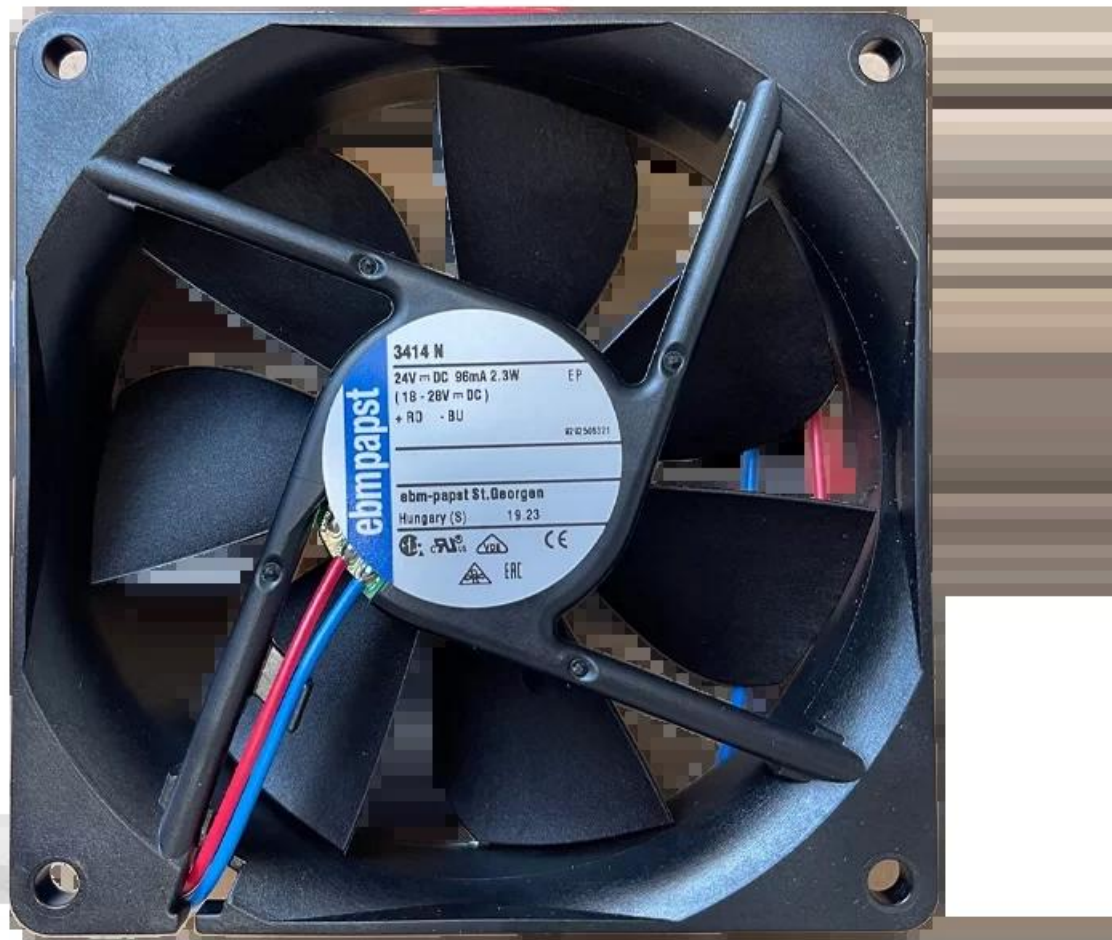
Option: Speed signal

EMC Immunity to Interference: According to EN 61000-6-2 (industrial environment)

EMC Interference Emission: According to EN 55022 (Class B, household environment)

Application: General electronics cooling, industrial equipment, telecommunications.

Product Images









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