



RG140-22/14N/2TDPU ebmpapst

Brand: ebmpapst

SKU: RG140-22/14N/2TDPU

Category: DC Fans

URL: <https://www.fansco.com/item/rg140-22-14n-2tdpu-ebmpapst/>

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Product Description

RG140-22/14N/2TDPU ebmpapst 180x180x40mm 24VDC 0.39A Ball Bearing 118m³/h 2500RPM 4-Wire Leads 9.3W centrifugal compact fan

The RG140-22/14N/2TDPU is an ebm-papst centrifugal blower featuring a clockwise rotating design (viewed from the rotor), ball bearing system, and flexible mounting for any shaft position, with dimensions of 180x180x40mm and a mass of 0.75kg, constructed with a mixed-material housing and plastic impeller. Its electrical parameters include a 20.4–27.6VDC voltage range (24VDC nominal), 9.1–9.5W power consumption ($\pm 10\%$), 345–445mA current draw ($\pm 10\%$), and 2500rpm speed ($\pm 6\%$), controlled via a PWM interface (1–10kHz, typical 5kHz open collector input). Aerodynamically, it delivers a max. free-air flow of 118m³/h, max. static pressure of 215Pa, and optimal performance at 43m³/h @ 157Pa, with a sound power level of 60dB(A) at the best operating point. Environmentally, it operates at -20°C to 70°C (storage: -40°C to 80°C), passes IPX4 splash water and IP5X dust tests (uncertified), suits pollution degree 3, and offers L10 life expectancies of 75,000h at 20°C, 62,500h at 40°C, and 27,500h at 70°C, with protections like reverse polarity (rectifying diode) and auto-restart for locked rotor. Certified for CE, EAC, UL, VDE, and CSA (no CCC), it is ideal for compact, low-power ventilation in electronics, appliances, and industrial systems requiring PWM speed control and reliable performance in moderate environmental conditions.

Technical Specifications

Attribute	Value
Part Number	RG140-22/14N/2TDPU
Manufacturer	ebm-papst
Fan Type	DC
Dimensions	180x180x40 mm
Voltage Rating	24 VDC
Bearing Type	Ball Bearing
Current Rating	0.39 A
Power Rating	9.3 W
Air Flow CMH	118 m³/h

Fan Speed	2500 RPM
Termination	4 Wire Leads
Subcategory	DC centrifugal compact fan



