



REF100-11/14 ebmpapst

Brand: ebmpapst

SKU: REF100-11/14

Category: Centrifugal compact fans

URL: <https://www.fansco.com/item/ref100-11-14-ebmpapst/>

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Product Description

REF100-11/14 ebmpapst DC 5400RPM 86m3/h 16~30V centrifugal compact fan

REF 100-11/14 is a single-intake DC centrifugal compact fan manufactured by ebm-papst, designed for high-efficiency cooling applications. Electrical specifications include a nominal 24VDC supply (16-30VDC operational range), 5400rpm rated speed, and 7.5W power consumption. Thermal performance allows operation from -20°C to 75°C, delivering 86m³/h airflow at 6.3B sound power level.

The fan features a backward-curved impeller and scroll housing constructed from glass-fiber reinforced plastic, ensuring structural rigidity and corrosion resistance. With axial inlet/radial outlet airflow configuration and clockwise rotation (viewed from rotor side), it integrates ball bearings for 80,000h L10 service life at 40°C (30,000h at max temperature). Electrical protections include reverse polarity, blocked rotor, and overload safeguards via electronic circuitry. Mechanical dimensions are Ø100x25mm with 0.16kg mass, fitted with AWG22 TR64 leads. CE-certified, optional speed signal output enhances monitoring capability, making it suitable for industrial and commercial systems requiring reliable thermal management.

Technical Specifications

Attribute	Value
Part Number	REF100-11/14
Manufacturer	ebm-papst
Fan Speed	5400 RPM
Air Flow	50.6 CFM
Voltage Range	16~30V
Fan Type	DC
Air Flow (m3)	1.42m³/min
Series	REF100
Voltage Rating	24 VDC
Bearing Type	Ball Bearing
Power Rating	7.5 W

Termination	2 Wire Leads
Operating Temperature	-4 ~ 167°F (-20 ~ 75°C)
Weight	0.353 lb (160.12 g)
Subcategory	Motorized Impellers



