



RLF35-8/14N ebmpapst

Brand: ebmpapst

SKU: RLF35-8/14N

Category: Centrifugal compact fans

URL: <https://www.fansco.com/item/rlf35-8-14n-ebmpapst/>

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Product Description

RLF35-8/14N ebmpapst DC 6700RPM 9.6m³/h 24V centrifugal compact fan

The RLF35-8/14N DC centrifugal compact fan is a high-performance cooling solution tailored for space-constrained applications. Operating at a nominal voltage of 24VDC with a flexible input range from 14 to 28 VDC, it runs at a consistent 6,700 RPM while consuming only 4.3 W of power. This fan generates an airflow of 9.6 m³/h and maintains a sound power level of 55dB(A), making it both energy-efficient and suitable for noise-sensitive environments. With compact dimensions of 51x51x15 mm and a lightweight of 0.04 kg, it easily fits into tight spaces in various devices.

Constructed from glass-fiber reinforced plastic, both the impeller and scroll housing ensure durability and resistance to harsh conditions. The fan's ball bearing system, rated with an L10 life of 60,000 hours at 40°C and 30,000 hours at 70°C, offers remarkable longevity even in extreme temperatures ranging from -20°C to 70°C. RLF35-8/14N also features electronic locked-rotor protection and reverse polarity protection, safeguarding against operational failures. The AWG 26 leads (TR 64) allow for straightforward electrical integration, and its CE compliance ensures adherence to EU safety and EMC standards.

The RLF35-8/14N's forward-curved impeller design maximizes airflow efficiency while minimizing energy use. Its radial discharge and axial intake configuration optimizes air distribution, making it a superior choice compared to traditional axial fans in confined spaces. RLF35-8/14N is ideal for a wide range of applications, including electronics cooling for server racks and LED lighting, thermal management in medical diagnostic tools, and ventilation in industrial control panels, gaming consoles, and other consumer electronics.

Technical Specifications

Attribute	Value
Part Number	RLF35-8/14N
Manufacturer	ebm-papst
Fan Speed	6700 RPM
Air Flow	5.7 CFM
Voltage Range	14~28V
Fan Type	DC

Air Flow (m3)	0.160m ³ /min
Series	RLF35
Voltage Rating	24 VDC
Bearing Type	Ball Bearing
Features	Locked Rotor Protection
Power Rating	4.3 W
Termination	2 Wire Leads
Operating Temperature	-4 ~ 158°F (-20 ~ 70°C)
Approval Agency	CE
Subcategory	Blower, Centrifugal