



R3G355-AI56-01 ebmpapst

Brand: ebmpapst

SKU: R3G355-AI56-01

Category: Centrifugal Fans

URL: <https://www.fansco.com/item/r3g355-ai56-01-ebmpapst/>

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Product Description

R3G355-AI56-01 ebmpapst 1.75A 355mm 950W 400VAC 2200RPM IP54 Ball Bearing EC centrifugal fan

The R3G355-AI56-01 is an EC centrifugal fan with backward - curved, single - intake design, featuring a 3 - phase motor (model M3G112 - EA) operating at 400 VAC (380-480 VAC range, 50/60 Hz) with 2200 rpm speed, 950 W power consumption, 1.75 A current draw, and variable speed drive capability. It has an overall efficiency (η_{es}) of 59.9%, efficiency grade N of 70.9, delivering 2805 m³/h air flow and 642 Pa pressure increase at optimum efficiency, with a specific ratio of 1.01, operating in - 25 °C to 60 °C ambient temperature. Weighing 8.4 kg with a 355 mm size, it features a black - painted rotor, die - cast aluminum electronics housing, sheet aluminum impeller with 6 blades, clockwise rotation, IP54 protection, "B" insulation class, ball bearings, and S1 operation mode. Equipped with 10 VDC (10 mA max) and 20 VDC (50 mA max) outputs, 0 - 10 V/4 - 20 mA sensor inputs, alarm relay, integrated PID controller, PFC, RS - 485 ebmBUS, soft start, 0 - 10 VDC/PWM control input, thermal overload protection, and line undervoltage/phase failure detection, it complies with EN 61000 - 6 - 2/3, EN 61000 - 3 - 2/3 for EMC, and has UL 1004 - 3, CCC, EAC, CE certifications.

Technical Specifications

Attribute	Value
Moder Number	R3G355-AI56-01
Manufacturer	ebm-papst
Fan Type	EC
Voltage Rating	400 VAC
Operating Temperature	-13 ~ 140°F (-25 ~ 60°C)
Operating Voltage	380 ~ 480 VAC
Frequency	50/60 Hz
Fan Speed	2200 RPM
Power Rating	950 W
Dimensions	355 mm
Current Rating	1.75 A
Bearing Type	Ball Bearing

Approval Agency	CCC CE EAC UL
IP Rating	IP54
Material Blade	Aluminum
Material Frame	Aluminum
Noise Level	94 dB(A)
Number of blades	6
Phase	3~
Air Flow CMH	2805 m ³ /h
Static Pressure Pa	642 Pa
Subcategory	EC centrifugal fan





