



R2E180-AS77-05 ebmpapst

Brand: ebmpapst

SKU: R2E180-AS77-05

Category: AC Fans

URL: <https://www.fansco.com/item/r2e180-as77-05-ebmpapst/>

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Product Description

R2E180-AS77-05 ebmpapst 230VAC 180x84.50mm Ball 100W 2300RPM IP44 4 Wire Leads with Splice Terminals Motorized Impellers Capacitor, Thermal Overload Protector (TOP) AC Fan

The R2E180-AS77-05 centrifugal fan is a backward-curved, single-intake AC fan manufactured by ebm-papst, designed for 230VAC single-phase power supply in 50Hz/60Hz versions. At 50Hz, it features 82W power, 0.36A current, and 2300rpm speed; at 60Hz, it delivers 100W power, 0.45A current, and the same 2300rpm speed. Both versions use a 2µF/450VDB capacitor. With an 180mm size and 1.37kg weight, the fan employs a black PA plastic impeller with 16 blades, offering IP44 protection (installation-position dependent) and Class B insulation. It operates in -25°C to 40°C (50Hz) / -25°C to 35°C (60Hz) environments, with storage from -40°C to 80°C. Equipped with an internal thermal overload protector and a standard 4-core 0.5mm² PVC cable, it allows horizontal shaft or rotor-down installation (rotor-up by request) and has condensation drainage holes. Class I protected, it complies with EN 60335-1 and CE, certified by CCC and EAC. Air performance includes 555m³/h max flow (0Pa) at both frequencies, with 190m³/h at 200Pa (50Hz) and 140m³/h at 250Pa (60Hz), suitable for industrial ventilation and equipment cooling.

Technical Specifications

Attribute	Value
Part Number	R2E180-AS77-05
Manufacturer	ebm-papst
Series	R2E180
Fan Type	AC
Voltage Rating	230 VAC
Dimensions	180x84.50 mm
Bearing Type	Ball Bearing
Subcategory	Motorized Impellers
Features	Capacitor, Thermal Overload Protector (TOP)
Power Rating	100 W
Fan Speed	2300 RPM

Termination	4 Wire Leads with Splice Terminals
IP Rating	IP44
Operating Temperature	-13 ~ 95°F (-25 ~ 35°C)
Approval Agency	CE, EAC