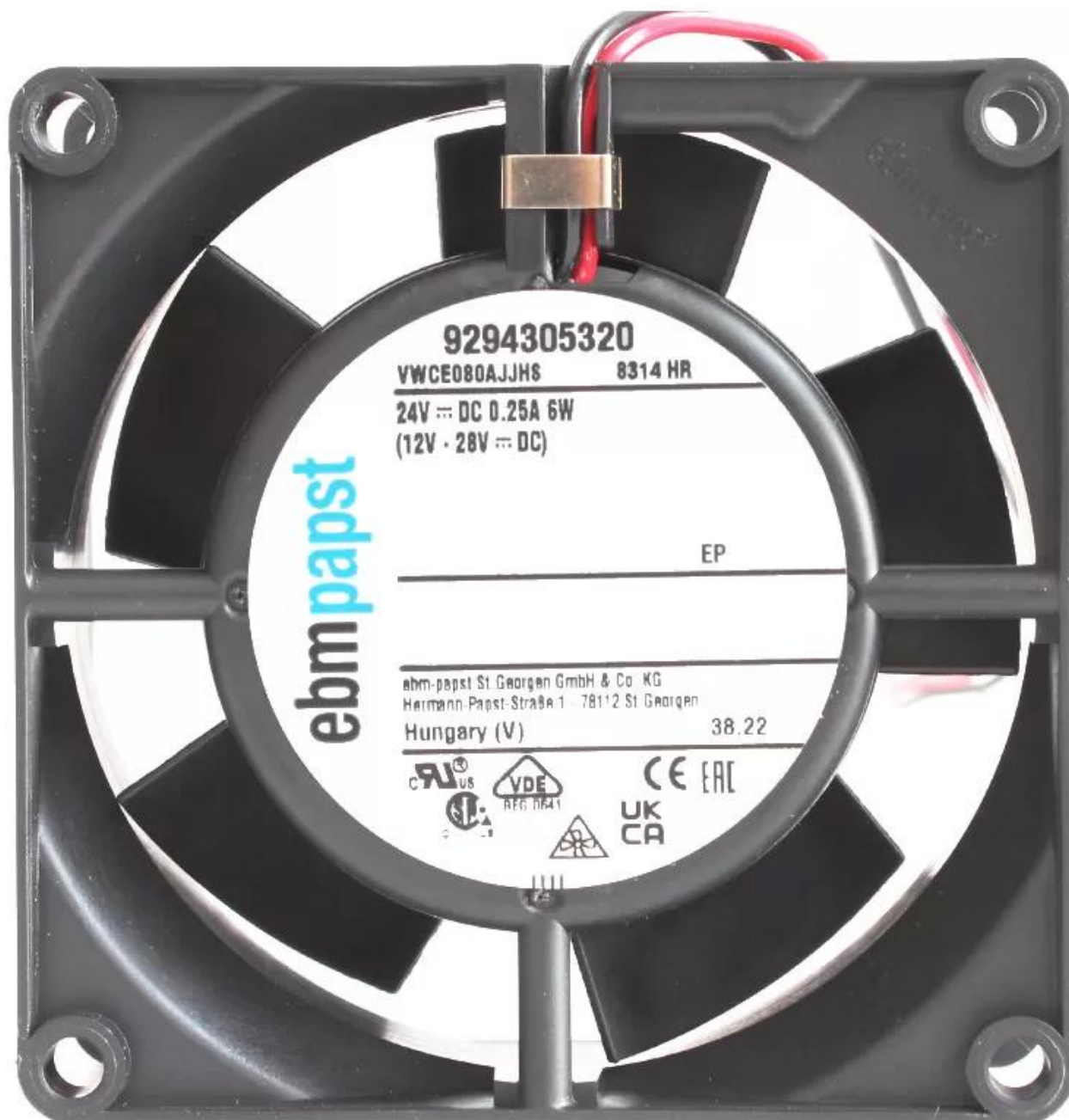




8314HR ebmpapst

Brand: ebmpapst

SKU: 8314HR

Category: DC Fans

URL: <https://www.fansco.com/item/8314hr-ebmpapst/>

Contact: sales@fansco.com

Product Description

8314HR ebmpapst 24VDC 80x80x32mm 47.1CFM Ball 6W 5000RPM 48 dB(A)
0.25A 50Pa 6W 46 m³/h 2 Wire Leads Tubeaxial DC axial fan
9294305320
VWC0080AUJAS

The 8314HR DC axial fan (model VWC0080AUJAS) from ebm-papst features a ball bearing system, with dimensions 80 mm × 80 mm × 32 mm and a mass of 0.17 kg. Constructed with plastic housing and impeller, it rotates clockwise with airflow discharged through struts, supporting any axial mounting direction. Mounting torque is 20 Ncm for cable outlet corners and 30 Ncm for others (ISO 4762-M4 screws), equipped with 310 mm long AWG22 leads (red for +UB, black for -GND). Rated at 24 VDC (12-28 VDC operation), it consumes 1.4-8.4 W with 116-300 mA current under free airflow, running at 2750-5500 rpm (tolerance $\pm 7.5\%$ to $\pm 12.5\%$), with a 1300 mA start-up current. Protective features include reverse polarity protection (rectifier diode) and automatic restart for locked rotor (current ~ 1300 mA). Aerodynamically, it delivers 80 m³/h max. free airflow and 138 Pa max. static pressure at 5000 rpm, with 48 dB(A) free airflow sound pressure level at 1 m. Operating from -20°C to 75°C (-40°C to 80°C storage), it meets cyclic humidity and dust resistance requirements (pollution degree 2), passing 500 VAC/1 min dielectric strength test with >10 M Ω insulation resistance, Class III protection, and certified by UL, VDE, CSA, etc. With L10 life of 55,000 hours at 40°C, it suits industrial cooling and equipment ventilation in controlled indoor environments.

Technical Specifications

Attribute	Value
Part Number	8314HR
Manufacturer	ebm-papst
Series	8300
Voltage Rating	24 VDC
Dimensions	80x80x32 mm
Air Flow	47.1 CFM
Air Flow (m3)	1.32m³/min
Bearing Type	Ball Bearing

Fan Type	DC
Noise Level	48 dB(A)
Power Rating	6 W
Fan Speed	5000 RPM
Termination	2 Wire Leads
Operating Temperature	-4 ~ 167°F (-20 ~ 75°C)
category	Tubeaxial
Material Blade	Plastic
Material Frame	Plastic
Number of blades	5
Current Rating	0.25 A
Air Flow CMH	46 m³/h
Static Pressure Pa	50 Pa
Approval Agency	CCC CE CSA EAC UL VDE
Lifetime @ Temp	55000 Hrs @ 40°C
Operating Voltage	12 ~ 28 VDC
Termination	2 Wire Leads
Subcategory	DC axial fan



