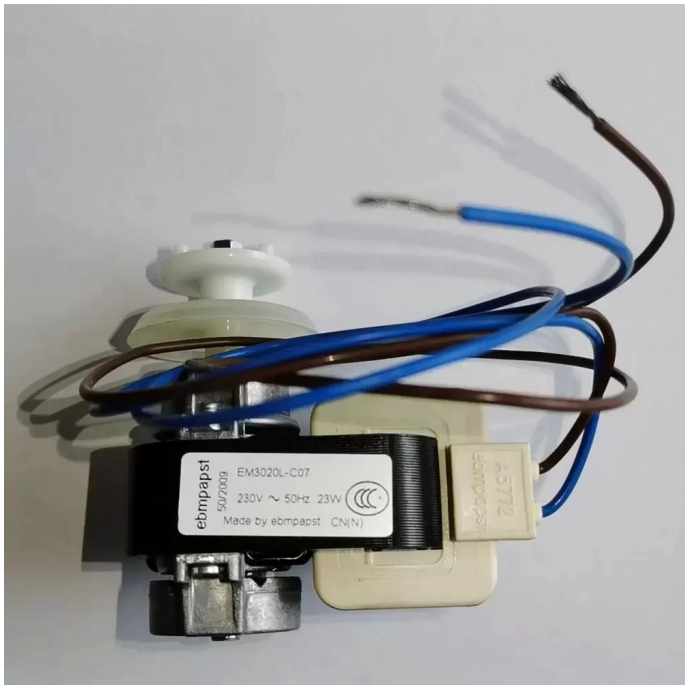
EM3020L-C07 ebmpapst 240V 82x82x20mm Shaded Pole Motor Datasheet



Brand: ebmpapst

SKU: 670510210460

Category: Axial & Centrifugal Fans

Price: **$73.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/em3020l-c07-ebmpapst-240v-82x82x20mm-shaded-pole-motor

Product Description

ebmpapst EM3020L-C07 is a 240V 82x82x20mm Shaded Pole Motor optimized for high-impedance airflow in commercial refrigeration and cooling systems. This AC motor technology utilizes a robust shaded-pole architecture designed for continuous duty cycles where structural rigidity and thermal stability are paramount. The motor features a precision sleeve bearing system that minimizes mechanical friction and thermal impedance during long-term operation. Engineered for efficiency, it operates at a rated speed of 2600 RPM with a power consumption of 23W and a current draw of 0.17A, ensuring reliable torque delivery for evaporator and condenser fan blades in demanding environments.

Model Number: EM3020L-C07
Brand: ebmpapst
Product Type: Shaded Pole Motor
Rated Voltage: 240 VAC
Voltage Range: 220 - 240 VAC
Frequency: 50 Hz
Rated Current: 0.17 A
Power: 23 W
Rated Speed: 2600 RPM
Bearing Type: Sleeve Bearing

Dimensions: 82 x 82 x 20 mm
Weight: 0.52 kg
Life Expectancy: 30,000 Hours at 40°C
Insulation Class: B
Protection Class: IP20
Material: Die-cast aluminum housing
Thermal Protection: Impedance protected
Operating Temperature: -40 to +80 °C
Storage Temperature: -40 to +85 °C
Termination: Lead wires
Mounting Orientation: Any
Certifications: VDE, CE, UL

EM3020L-C07 Applications
1. Commercial Reach-in Freezers: The compact 20mm profile and high-torque shaded pole design allow for efficient heat exchange in restricted evaporator coils, serving as a critical replacement fan motor for maintaining food safety temperatures.
2. Beverage Merchandisers: Optimized for low-vibration operation to prevent sediment disturbance in bottled liquids while providing consistent airflow over condenser fins to reduce compressor cycle frequency.
3. Vending Machine Cooling Units: Engineered to overcome the high static pressure of dense internal components, ensuring reliable thermal management in 24/7 outdoor and indoor automated retail environments.

Supplemental Images