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GAU-MTR-PMG-1P-120V-0.042HP-0.072K-N42C

0.042 HP General Area Motor - Permanent-magnet AC Synchronous - 120V 1PH, 50/60Hz - 72 RPM, NEMA 42C Frame, Resistor & Capacitor Run

Product ID: 345538

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

GAU-MTR-PMG-1P-120V-0.042HP-0.072K-N42C Permanent-magnet AC Synchronous Motor

Unit Type: Permanent-magnet AC synchronous, single-phase with R-C phase shifting (two-phase winding)
Dimensions: -
Weight: 15.5 lbs

Phase: Single Phase

Voltage: 120V AC ± 10%

Frequency: 50/60 Hz

Output Horsepower: 0.042 HP

Rotations per Minute: 72 RPM

Motor Frame: NEMA 42C

Full Load Current: 1.1A

Running Torque: 700 oz-in

Run Capacitor Rating: 12.5 µF, 330 Vac (@ 120 V, 60 Hz, (±6%)), 15 µF, 370 Vac (@ 120 V, 50 Hz, (±6%))
Run Resistor Rating: 150 Ω, 100 W (@ 120 V, 60 Hz, (±5%)), 150 Ω, 100 W (@ 120 V, 50 Hz, (±5%))
Minimum holding torque, one winding on DC: 1000 oz-in, at 1 A and 20 V DC per winding

Minimum holding torque, two windings on DC: 1400 oz-in

Typical residual torque (unpowered): 9 oz-in

Max load inertia: 0.42 oz-in-s²

Max radial shaft force: 25 lb

Max axial shaft force: 50 lb

Bearings: Ball bearings, stainless steel shaft (Slo-Syn synchronous series)

Connection: Terminal box with conduit hub, as seen on the photographed unit

Insulation: Class B
Duty Cycle: Continuous
Temp Rise: 55°C
Max. Altitude: ≤ 3,300ft Above Sea Level
Ambient Temperature Range: -20°C to +40°C
Housing Material: Die-cast aluminium alloy

Ratings

IP55

Direct on Line

Special Orders- Requirements
Contact us for special requirements
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The Larson Electronics GAU-MTR-PMG-1P-120V-0.042HP-0.072K-N42C General Area Use Permanent-magnet AC Synchronous Motor is recommended for use in industrial sites. The

0.042 HP unit is compatible with single-phase 120V AC 50/60 Hz. This is Class B insulation rated.

The GAU-MTR-PMG-1P-120V-0.042HP-0.072K-N42C is a motor for rugged work sites. This thermally protected unit operates with single-phase 120V AC 50/60 Hz. Capable of generating 72 RPM.

The IP55-rated motor features an ambient temperature rating of 40°C. This unit features Class B insulation.

Applications: Industrial facilities, pumps, mixers, conveyors, manufacturing, food processing, chemical plants and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs