

DME34B43G10B Nidec Servo DC24V 370r/min Geared Motor Datasheet



Brand: Nidec

SKU: [920404866145](#)

Category: Linear Motion

Price: **\$214.99**

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Product Page:

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Product Description

The Nidec Servo DME34B43G10B is a high-performance permanent magnet DC geared motor engineered for precision industrial motion control. Operating at a rated voltage of 24VDC, this unit delivers a consistent output speed of 370r/min with a rated torque of 0.095Nm (13.47oz-in). The motor utilizes a robust 43G type gearbox architecture to achieve high torque density while maintaining a compact 34mm frame size. Key technical parameters include a 4.5W rated power output, a low no-load current of 0.04A, and a rated current draw of 0.31A, ensuring energy-efficient operation and minimal thermal accumulation during continuous duty cycles.

DME34B43G10B Specifications

Model Number: DME34B43G10B

Brand: Nidec Servo (Nidec Advanced Motor)

Motor Type: Permanent Magnet DC (PMDC) Geared Motor

Rated Voltage: 24VDC

Rated Speed: 370 r/min

Rated Torque: 0.095 N·m (13.47 oz·in)

Rated Output Power: 4.5 W

Rated Current: 0.31 A

No-Load Speed: 5000 r/min

No-Load Current: 0.04 A

Stall Torque: 45 mN·m (Motor Only)

Gearbox Type: 43G Gearhead

Gear Ratio: 10:1

Frame Size: 34 mm Diameter

Motor Length (L): 35.0 mm (Motor Body)

Weight: 110 g (Motor Only)

Rotation Direction: CW/CCW (Reversible)

Bearing Type: Lubricated for life ball bearings

Brush Type: Optimized carbon brushes

Operating Life: 1000 hours continuous / 1 million cycles intermittent

Certifications: RoHS Compliant, EMC suppressed

DME34B43G10B Applications

Precision motion control in automated teller machines (ATM), laboratory diagnostic equipment, and industrial conveyor systems. Integration into office automation peripherals, medical pumping mechanisms, and robotic actuators requiring high torque-to-size ratios." efficiency.

Supplemental Images

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