

500 Motor

A powerful permanent magnet synchronous motor in a very compact package. Delivers 500 ounce-inches of torque at 1 RPM. Speeds available from 1/2 RPM to 240 RPM. Suitable for many instrument and industrial applications.

Features:

Compact package • High torque at low profile • Rugged die cast housing • Extended front and rear bearings available for additional radial load capacity • Impedance protected • UL & CSA recognized • Options available, see Options section



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Specifications

Rated Torque

Running:

500 oz.-in. (36 kg.-cm.) at 1 RPM

Starting:

450 oz.-in. (32 kg.-cm.) at 1 RPM

Static Gear Rating

400 oz.-in. (14,400 gm.-cm.) maximum.

Varies with gear train construction for different speeds

Electrical

Voltage: 24V, 115V, 230V

Frequency: 60Hz, 50Hz or 50/60Hz

Power Input: 3 watts maximum

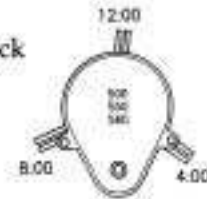
Current Input: 24V-111ma, 115V-27ma, 230V-13ma

Leads

115V and 230V: 9 ± 1/2 in. (22.9 ± 1.27 cm.)

24V: 6 1/2 in. ± 1/2 in.

Exits at 12, 4, or 8 o'clock



Ambient Operating Temperature Range

32° to 142°F (0° to 61°C)

Rotor Speed

720 RPM at 60Hz

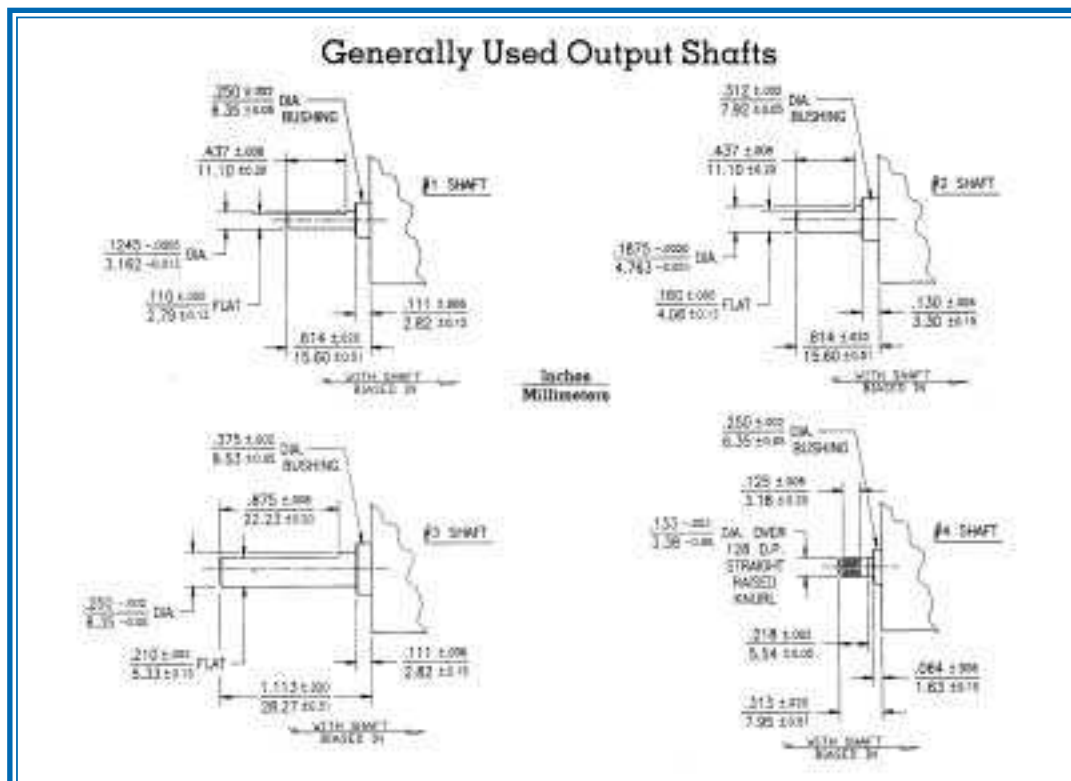
Rotation

Bi-Directional

Lubrication

Permanently lubricated. Special lubricants available for operation under 32°F (0°C)

Output Shaft Options Available



This data sheet is intended for design purposes only. Actual motor performance characteristics, shaft design and optional features will depend upon specific requirements of the application. Consult factory for sample information or assistance in establishing your specifications.