

## 550 Gearbox Motor

Instrument grade permanent magnet synchronous motor is electrically reversible and is precision built for long life applications. Available in speeds from 1 RPM to 240 RPM. Also available without gearhead as direct drive motor...consult factory.

### Features:

Electrically reversible by switching one connection of motor and capacitor • Rugged die cast housing • Impedance protected • UL & CSA recognized • Options available...consult factory

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# Specifications

## Equivalent Torque

Running: 1200 oz.-in. (86.3 kg.-cm.) at 1 RPM

Starting: 1080 oz.-in. (77.6 kg.-cm.) at 1 RPM

## Rotor Speed

720 RPM at 60Hz

## Static Gear Train Rating

400 oz.-in. (28,800 gm.-cm.) Varies with gear train construction.

## Rotation

Reversible

## Electrical

Voltage: 24V, 115V, 230V

Frequency: 60Hz or 50 Hz

Power Input: 5 watts maximum

Current Input: 24V-162ma, 115V-51ma, 230V-20ma

## Lubrication

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

## Ambient Operating Temperature Range

32° to 138° F (0° to 59° C)

## Output Shaft Options Available

## Leads

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

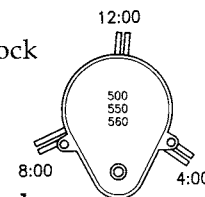
24V:  $6 1/2$  in.  $\pm 1/2$  in.

Stripped  $3/16 \pm 1/16$  in. ( $.48 \pm .16$  cm.)

22 AWG 7 x 30 top coat

PVC insulation  $1/32$  in. (.08 cm.) thick

Exits at 12, 4, or 8 o'clock

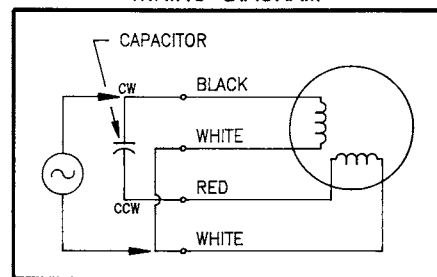


## Directional Control

Electrically controlled with phase shift capacitor.

Capacitor not provided.

### WIRING DIAGRAM



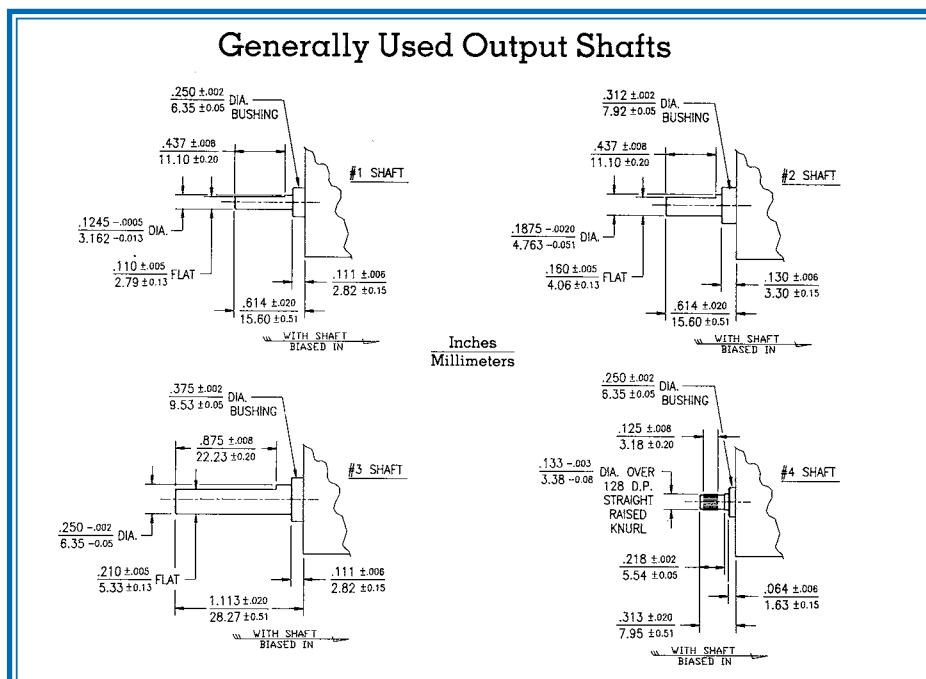
CAPACITOR VALUE AT 60 Hz:

12.0  $\mu$ f (24VAC)

0.68  $\mu$ f (115VAC)

0.12  $\mu$ f (230VAC)

## Generally Used Output Shafts



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.