

## 560 Geared Motor

Versatile instrument grade stepper motor offers extremely high torque in an unusually small profile. Available with hobbed steel gears or direct drive. Gear ratios available 3.6:1 to 720:1. Also available without gearhead as direct drive motor...consult factory.

### Features:

Unipolar or bipolar operation • 0-300 pulses per second, 18,000 18° steps per minute • Gear train in rugged die cast housing handles high torque loads to 200 oz. inches • Options available...consult factory

**AUTOTROL CORPORATION** 

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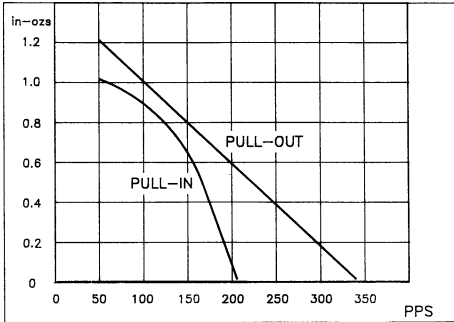
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# Specifications

## Motor Performance



## Static Gear Train Rating

200 oz.-in. (14,400 gm.-cm.) maximum. Varies with gear train construction.

## Electrical

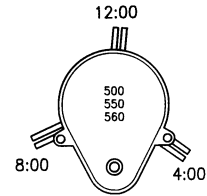
Voltage: 5V and 12V standard (other voltages available) Power Input: 5 watts nominal

## Leads

9 ± 1/2 in. (22.9 ± 1.27 cm.)  
 26 AWG 7 x 34, stranded  
 PVC insulation 1/64 in. (.04 cm.) thick

## Output Shaft Options Available

Exits at 12, 4, or 8 o'clock

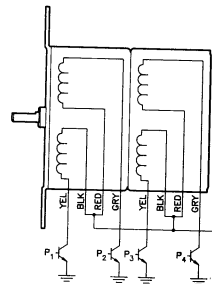


**Ambient Operating Temperature Range**  
 Varies with step rate...consult factory.

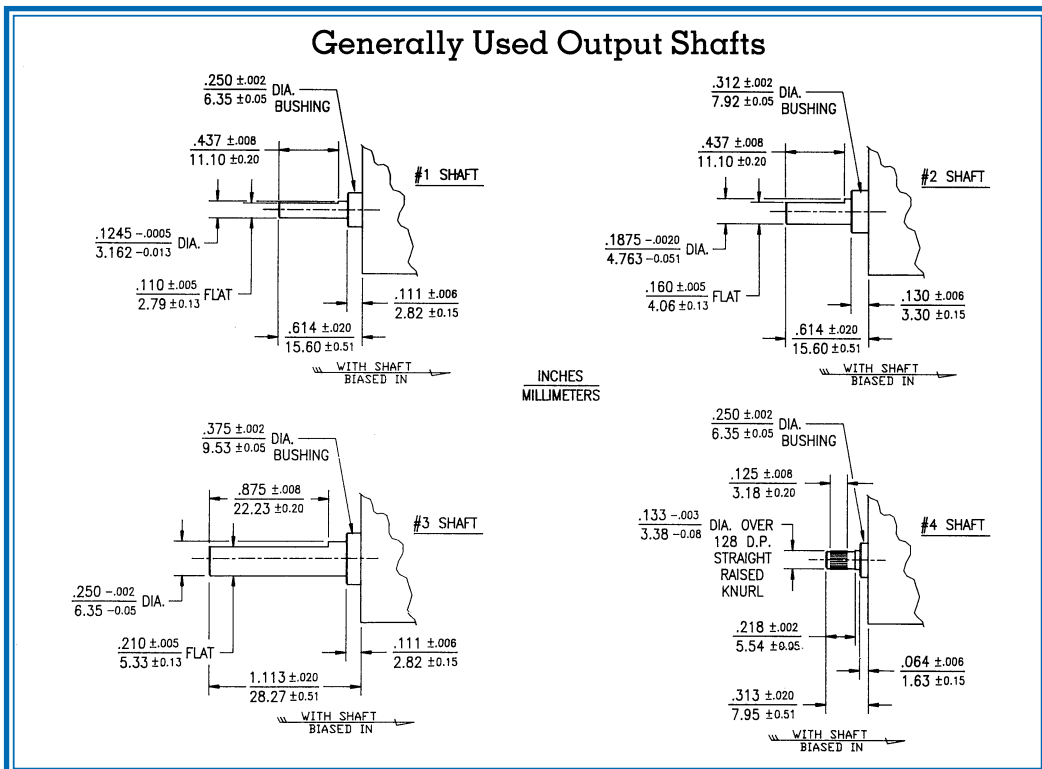
## Lubrication

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

## Wiring Diagram/Stepping Sequence



STEP	P <sub>1</sub>	P <sub>3</sub>	P <sub>2</sub>	P <sub>4</sub>
1	ON	OFF	OFF	ON
2	OFF	ON	OFF	OFF
3	OFF	OFF	ON	OFF
4	OFF	OFF	OFF	ON
1	ON	OFF	OFF	ON



*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.*