



## Key Performance Features:

- Economical 2-Pole Design
- Skewed and Balanced Armatures
- Encoder Ready
- Round or Optional NEMA 34 Mounting
- 12-150 VDC Available

# C32

BRUSHED  
SERVO  
MOTOR  
SERIES

## Motor Characteristics

FRAME SIZE	STACK LENGTH	PEAK STALL TORQUE (T <sub>p</sub> ) OZ-IN	CONT. STALL TORQUE (T <sub>c</sub> ) OZ-IN	ROTOR INERTIA (J <sub>m</sub> ) OZ-IN-SEC <sup>2</sup>	FRICTION TORQUE (T <sub>f</sub> ) OZ-IN	THERMAL RESISTANCE (RM) °C/WATT	MAX RECOMMEND SPEED RPM	MAX WINDING TEMP. C°	POWER RANGE W	WEIGHT LB
C32	-- 200	500	95	0.032	6	3.1	4000	155	105	7.3
C32	-- 300	560	130	0.044	7	2.4	4000	155	160	8.5
C32	-- 400	880	176	0.056	8	2.0	4000	155	225	9.3

## Sample Windings

CONSULT MAGMOTOR APPLICATION STAFF FOR OTHER AVAILABLE WINDINGS

	C32 -- 200				C32 -- 300				C32 -- 400			
	B	D	F	H	A	C	E	H	B	D	F	H
<b>Torque Constant (Kt)</b> oz-in/amp	20.9	29.8	52.1	82.7	21.6	32.5	58.6	110	34.6	54.8	87.0	138
<b>Voltage Constant (Ke)</b> Volts/Krpm	15.5	22.0	38.5	61.1	16.0	24.0	43.3	81.6	25.6	40.6	64.5	102
<b>Term. Resistance (Rt)</b> Ohms (cold)	1.0	2.4	5.3	12.0	0.9	1.8	4.5	16.0	1.2	3.2	7.5	18.7
<b>Peak Current (A)</b> Amps	28	17	11	9	28	17	11	9	28	17	11	9
<b>Cont. Current (A)</b> Amps	5.7	3.6	2.3	1.5	5.7	3.6	2.3	1.5	5.7	3.6	2.3	1.5

### Magmotor Fact

Magmotor Motors  
are Specifically  
Engineered  
for Demanding  
Industrial  
OEM Applications

VALUES AS LISTED ARE TEST CONDITIONS, ACTUAL RESULTS MAY VARY

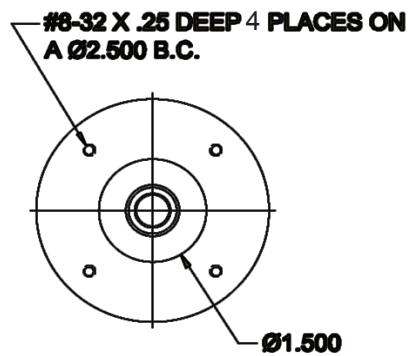
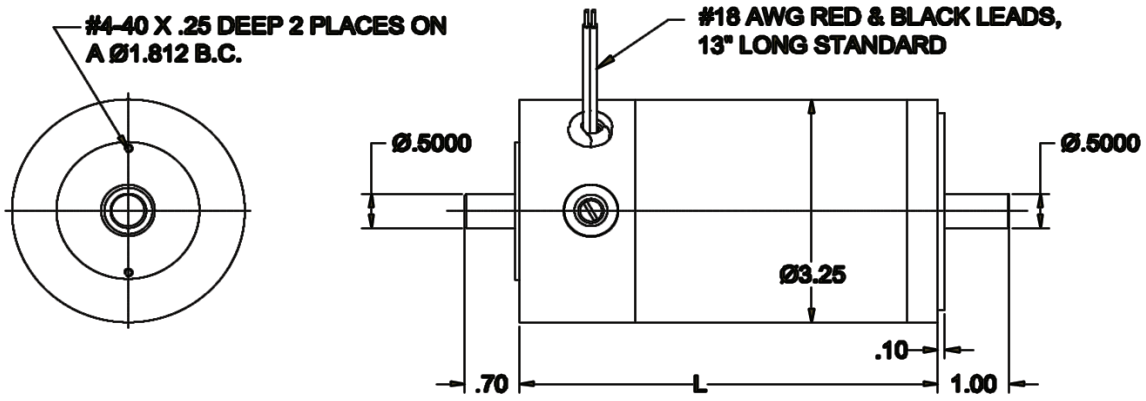
## ▼ C32 Series Options

- Optical Encoders
- Tachometers, Brakes and Gearbox
- Application Specific Windings and Mechanical designs
- IP 65 Sealing
- Custom Cables and Connectors
- For more options, see [magmotor.com](http://magmotor.com) custom solutions, or call us.

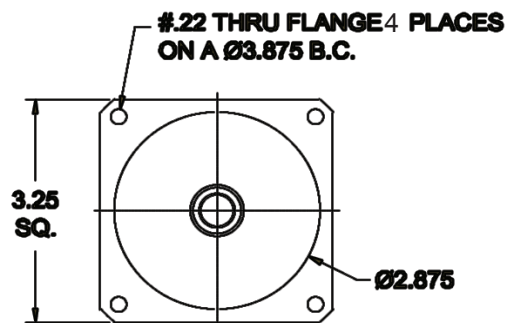
## ▼ Typical Applications

- Semiconductor Equipment
- Medical Equipment
- Component Insertion Machines
- Linear Actuators
- Labeling Machines
- Automated Assembly Machines

**Magmotor**™



**STANDARD  
ROUND FACE MOUNT**



**NEMA 34  
FLANGE MOUNT**