

# Motors without Gearing

Bodine offers a full range of fractional horsepower motors.

## AC fixed and variable speed motors

are available with voltage ratings of 115 VAC, 60 Hz (single-phase), 230 VAC, 60 Hz (3-phase) and 230/460 VAC, 60 Hz (3-phase). They are offered with three winding types: permanent split capacitor, split phase, and three-phase. **PMDC motors** are available with voltage ratings from 12 to 180 VDC. **Brushless DC motors** are available with voltage ratings of 24 or 130 VDC.



## AC

### Torque Motors | from 3.5 to 68 oz.in.

- Will operate satisfactorily on 50 or 60 Hz
- Totally enclosed non-ventilated IP-20 rating
- Provides excellent performance for holding, winding and tensioning applications
- Provides locked rotor or reverse torque intermittently at rated voltage, or continuously at reduced voltage
- Permanently lubricated, noise tested ball bearings
- Locked bearing design on 30R, 42R, and 48R minimizes shaft endplay
- See page 34 for capacitors and accessories
- See pages 41 and 42 for reference dimensions

#### AC Torque Motors (for holding applications)



Type KCI



Type 30R



Type 42R



Type 48R

V	Hz	Locked Rotor Performance				rpm @ No Load	Capacitor (µF/VAC)	Product Type	Model Number
		% Duty Cycle	Torque (oz-in.)	Watts	Max. On Time (min.)				
<b>KCI</b>									
<i>CAPACITOR IS INCLUDED</i>									
115	60	40	7.0	22	5	1580	2.3/250	KCI-26	0621
83	60	100	3.5	12	—	1570			
115	50	40	6.0	19	5	1310			
92	50	100	4.0	13	—	1300			
<b>30R</b>									
<i>CAPACITOR IS REQUIRED</i>									
115	60	50	25	52	30	1660	5.0/250	30R2FEC1	5625
100	60	100	19	40	—	1645			
115	50	50	25	47	30	1425			
100	50	100	19	36	—	1420			
<b>42R</b>									
<i>CAPACITOR IS REQUIRED</i>									
115	60	40	38	85	28	1690	7.5/370	42R6FEC1	2628
87	60	100	22	49	—	1680			
115	50	40	38	82	28	1445			
87	50	100	22	47	—	1435			
<b>48R NEMA-56C Face Mount, Or Base Mount</b>									
<i>CAPACITOR IS REQUIRED</i>									
115	60	40	65	120	15	1560	12.5/370	48R6FEC1	0632
80	60	100	32	60	—	1560			
115	50	40	68	96	15	1370			
80	50	100	34	58	—	1360			

### Typical Performance Curves at 115V, 60 Hz

