



Type CG Gearmotors – AC and PMDC

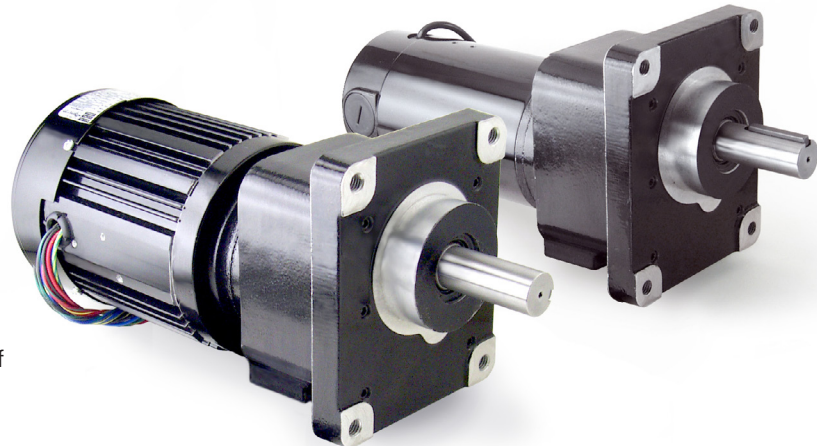
Up to 1,000 lb-in. torque

The CG gearhead was developed specifically for Bodine's most powerful variable speed electric motors, the 48R6 AC inverter-duty, and 42A7 permanent magnet DC motors. This integral gearmotor design allows the CG to deliver up to 1,000 lb-in. of torque, which is nearly twice the torque of any previous Bodine product.

Features and Benefits

Every component of the CG gearhead was designed to meet the demanding requirements of high-torque applications:

- **Integrated assembly**—eliminates the potential for misalignment of motor and gearhead, often found with separable gearheads
- **Three-stage, selectively hardened gearing**—for quietness and high output torque
- **Solid aluminum cast gearhousing**
- **Extra heavy-duty bearings and seals**—for reliable operation and long life
- **Unvented gearhead**—mounts in virtually any position, maintenance free
- **Face or base mount option**—tapped holes in gearhousing
- **Oversize driveshaft**—delivers very high torque to the output load



TYPICAL APPLICATIONS

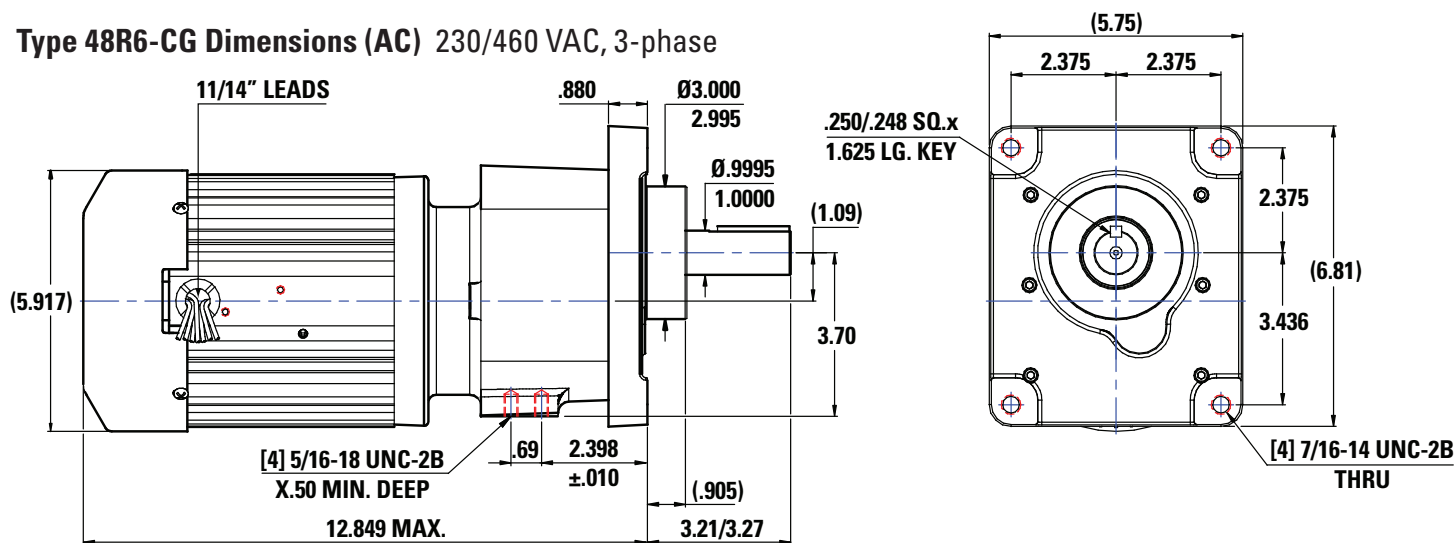
Designed for applications where long life and high load capacity are critical, such as: heavy duty conveyor systems, medical equipment, food processing and factory automation.

Speed (RPM) ¹	Rated Torque (lb-in.)	HP	Voltage	Current (Amps)	Gear Ratio	Radial Load (lbs.)	Type Product Type	Model No. No Accessory Shaft	Model No. With Acc'y Shaft ³
AC: 48R6, Three-Phase, Inverter duty, PACESETTER™, Class F, SOA² range: 10-90Hz									
28	1000	3/4	230/460	2.7/1.3	60	TBD	48R6BFPP-CG	9360	—
34	850	3/4	230/460	2.7/1.3	50	TBD	48R6BFPP-CG	9350	—
47	650	3/4	230/460	2.7/1.3	36	TBD	48R6BFPP-CG	9336	—
57	540	3/4	230/460	2.7/1.3	30	TBD	48R6BFPP-CG	9330	—
85	360	3/4	230/460	2.7/1.3	20	TBD	48R6BFPP-CG	9320	—
DC: 42A, 130VDC, Permanent Magnet DC, Variable Speed, Class F									
42	580	7/16	130	3.3	60	TBD	42A7BEPM-CG	4086	4786
50	480	7/16	130	3.3	50	TBD	42A7BEPM-CG	4085	4785
69	350	7/16	130	3.3	36	TBD	42A7BEPM-CG	4084	4784
83	290	7/16	130	3.3	30	TBD	42A7BEPM-CG	4083	4783
125	190	7/16	130	3.3	20	TBD	42A7BEPM-CG	4082	4782
DC: 42A, 24VDC, Permanent Magnet DC, Variable Speed, Class F									
38	660	7/16	24	18	60	TBD	42A7BEPM-CG	4486	4886
46	550	7/16	24	18	50	TBD	42A7BEPM-CG	4485	4885
64	400	7/16	24	18	36	TBD	42A7BEPM-CG	4484	4884
77	330	7/16	24	18	30	TBD	42A7BEPM-CG	4483	4883
115	220	7/16	24	18	20	TBD	42A7BEPM-CG	4482	4882

1. AC speed ratings are at 60 Hz; 2. SOA: Contact the factory for detailed speed/torque information (Safe Operating Area). Inverter duty windings are 60 Hz base frequency. Motor performance will vary below and above 60Hz.; 3. Safe operating area (SOA) frequency range: 10-90 Hz.; 3. The fifth digit of the product type changes from "B" to "F" for accessory ready PMDC models. **Lead Time:** all models ship within three to four working days.



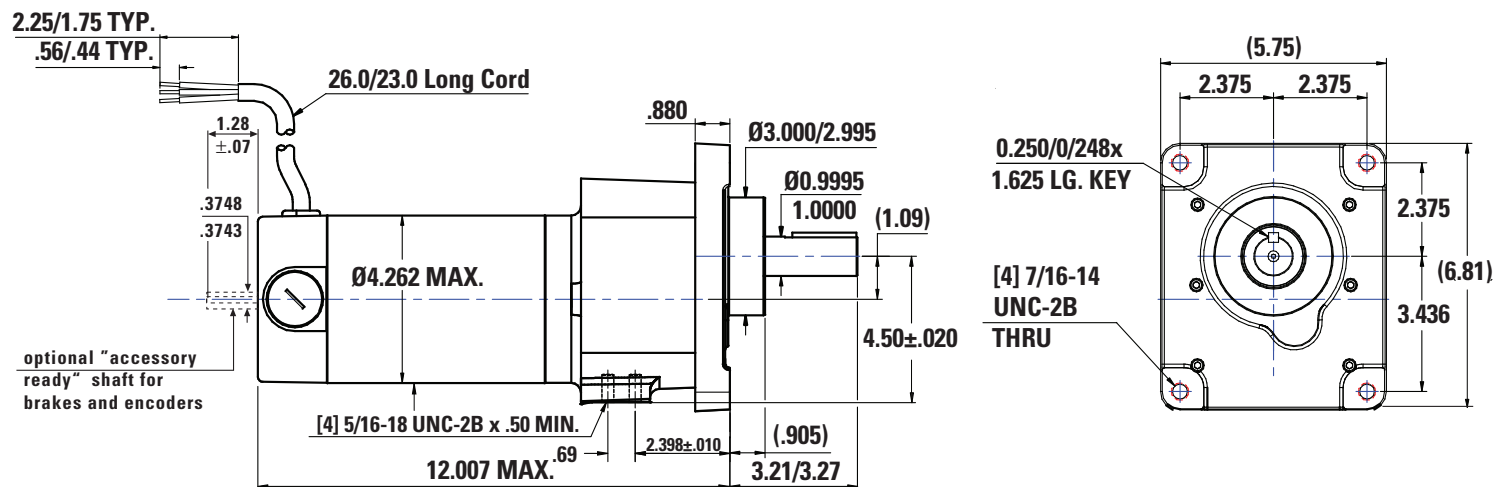
Type 48R6-CG Dimensions (AC) 230/460 VAC, 3-phase



Weight : 34 lbs. All dimensions in inches



Type 42A7-CG Dimensions (DC) 130 VDC or 24 VDC



Weight : 29 lbs. All dimensions in inches



AC and DC speed controls available online

Visit www.bodine-electric.com for additional information

Bodine Electric Company offers a range of AC and PMDC motor speed controls. Purchase as a "matched system" and benefit from an extended two-year warranty for the motor or gearmotor and control.

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