

# Bodine Products At A Glance

After you have determined the Bodine product that best fits your needs, visit [www.bodine-electric.com](http://www.bodine-electric.com). There you will find the most up-to-date specifications, 2-D and 3-D CAD drawings and models, list prices and ordering information for all of the over 1,000 stock and standard products we offer.

## Motors Without Gearing

- For direct drive applications
- For high speed applications
- Ball bearings
- Totally enclosed construction
- Balanced rotors or armatures
- Models with NEMA mountings
- Models with metric mountings
- 126 models available

## Parallel Shaft Gearmotors

- High efficiency gearing
- Fits in places where right angle gearmotors don't
- Unvented gearhousings for multiple mounting positions
- Lubricated for life of gearmotor, without maintenance
- Up to five stages of gearing for very slow speeds
- Seals on input shaft and output shaft
- 484 models available

## AC Induction

- Available with most common AC winding types:
  - Pacemaker™, 3-phase, inverter duty models
  - Permanent split capacitor, 1-phase; (impedance protected and torque winding models available in most frame sizes)
  - Split-phase models, 1-phase with starting switch
- Totally enclosed construction; fan cooled and non-fan cooled models
- UL recognized, CSA certified, and with CE mark

**Horsepower**  
1/600-3/4

**Speed Ranges (rpm)**  
120-3,600

**Torque (oz-in.)**  
1.1-445

**Horsepower**  
1/2000-3/4

**Speed (rpm)**  
0.9-340

**Torque (lb-in.)**  
8.9-1,000



## Permanent Magnet DC

- Low cost
- 24, 90/130, and 180 volt models in stock
- Adjustable speed and high starting torque
- Linear speed/torque curve
- Totally enclosed construction
- Replaceable brushes
- Different voltage and speed ratings available
- Dynamic braking
- UL recognized, CSA certified, and with CE mark
- Models with accessory shaft for mounting a brake or encoder

**Horsepower**  
1/50-1/2

**Speed Ranges (rpm)**  
100-11,500

**Torque (oz-in.)**  
8-180

**Horsepower**  
1/29-1/2

**Speed (rpm)**  
5.6-660

**Torque (lb-in.)**  
3.3-700



## Brushless DC

- For detailed information about e-TORQ or the 24VDC, INTEGRAMotor products, please see pages 4-10
- 24VDC and 130VDC models in stock
- Ideal for continuous duty applications
- Adjustable speed and high starting torque
- Linear speed/torque curve
- Totally enclosed construction
- Zero Maintenance, longest life
- Dynamic braking
- 22B and 34B models UL recognized, and CSA certified
- Models with accessory shaft for mounting a brake or encoder
- 60° built-in commutation standard (120° available with OEM products)
- Optional built-in encoder for custom models

**Horsepower**  
1/16-2

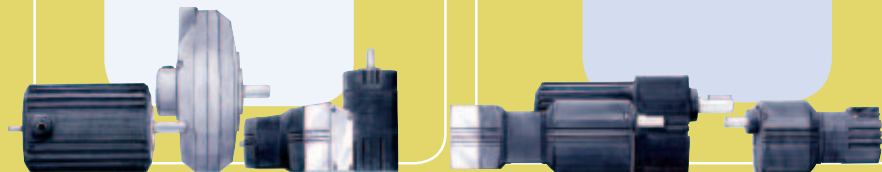
**Speed Ranges (rpm)**  
100-10,000

**Torque (oz-in.)**  
20-151

**Horsepower**  
1/16-3/8

**Speed (rpm)**  
8-500

**Torque (lb-in.)**  
5.8-350



### Right angle gearmotors

- **Hollow shaft models available** in all right angle products
- Quiet worm gearing
- Worm gearing resists shock loads
- Many gear ratios are self-locking
- Fits in places where parallel shaft gearmotors don't
- Unvented gearhousing for multiple mounting positions
- Lubricated for life of gearmotor, without maintenance
- Seals on input shaft and output shaft
- 322 models available

### Matched Electronic Speed Controls

- Models for each motor type:
  - Permanent Magnet DC
  - Three-phase AC Induction (inverter-duty)
  - Brushless DC
- Models with NEMA enclosures
- Open chassis models
- 2 year warranty when purchased with Bodine motors
- 50 models available

#### Horsepower

1/17-3/4

#### Speed (rpm)

5.9-340 rpm

#### Torque (lb-in.)

8-380



#### Horsepower

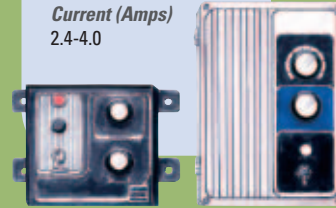
1/2-1

#### Voltage

supply: 115, 230, 115/230  
output: 0-230, 3Ø

#### Current (Amps)

2.4-4.0



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#### Horsepower

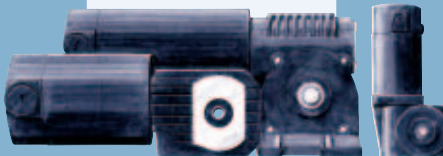
1/29-1/2

#### Speed (rpm)

0.7-500

#### Torque (lb-in.)

5.2-380



#### Horsepower

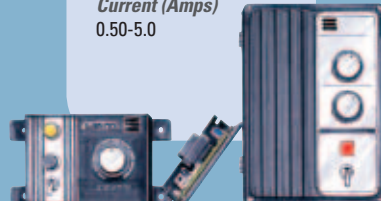
1/17-7/16

#### Voltage

supply: 115, 115/230  
output: 0-90, 0-130, 0-180

#### Current (Amps)

0.50-5.0



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#### Horsepower

1/8-3/8

#### Speed (rpm)

42-500

#### Torque (lb-in.)

11-109



#### Horsepower

1/6-3/8

#### Voltage

supply: 24VDC, 115VAC  
output: 0-24, 0-90, 0-130

#### Current (Amps)

3.0-22



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