



## Solid State Commutated Unit Bearing Motors

MOTORS



10012  
10013  
10020  
10022  
20020  
20022



10035  
10036  
10040



10042



10050  
10052

### Features

- Direct drop-in replacements
- Ultimate commutated technology
- Unit bearing construction
- 100% performance tested
- Includes Lyall plug
- Rotation is determined by viewing opposite shaft end
- Peak efficiencies in excess of 80% means lower operating temperatures and extended motor life
- Constant 1550 RPM operating speed is identical on either 50 or 60 Hertz
- Constant 1550 RPM regardless of fluctuations in voltage

| Item ID               | Watts | Volts   | RPM  | Amps | Rotation | Shaft Dimension (In.) | Hertz | Notes |
|-----------------------|-------|---------|------|------|----------|-----------------------|-------|-------|
| <b>Morrill Motors</b> |       |         |      |      |          |                       |       |       |
| 10012                 | 6-12  | 115     | 1550 | 0.30 | CW       | 1/4 Threaded          | 60    | 554   |
| 10013                 | 6-12  | 115     | 1550 | 0.30 | CCW      | 1/4 Threaded          | 60    | 554   |
| 10020                 | 16-25 | 115     | 1575 | 0.60 | CW       | 1/4 Threaded          | 60    | 554   |
| 10022                 | 16-25 | 115     | 1575 | 0.60 | CCW      | 1/4 Threaded          | 60    | 554   |
| 20020                 | 16-25 | 208-230 | 1575 | 0.30 | CW       | 1/4 Threaded          | 60    | 554   |
| 20022                 | 16-25 | 208-230 | 1575 | 0.30 | CCW      | 1/4 Threaded          | 60    | 554   |
| 10035                 | 35-50 | 115     | 1550 | 0.90 | CW       | 1/4 Threaded          | 50/60 |       |
| 10036                 | 35-50 | 208-230 | 1550 | 0.45 | CW       | 1/4 Threaded          | 50/60 |       |
| 10040                 | 35-50 | 115     | 1550 | 0.90 | CCW      | 1/4 Threaded          | 50/60 |       |
| 10042                 | 35-50 | 208-230 | 1550 | 0.45 | CCW      | 1/4 Threaded          | 50/60 |       |
| 10050                 | 35-50 | 115     | 1550 | 0.90 | CW       | 3/8 x 1 7/8           | 50/60 |       |
| 10052                 | 35-50 | 208-230 | 1550 | 0.45 | CW       | 3/8 x 1 7/8           | 50/60 |       |

Notes:  
554. Includes water shield to protect motor during coil cleaning



10112  
10113  
10116  
10215



10312



10313



10218  
10219

| Item ID               | Watts | Volts   | RPM  | Amps | Rotation | Plug                   | Hertz | Foot Pads | Material  | Replaces  |
|-----------------------|-------|---------|------|------|----------|------------------------|-------|-----------|-----------|-----------|
| <b>Morrill Motors</b> |       |         |      |      |          |                        |       |           |           |           |
| 10112                 | 12    | 115     | 1550 | 0.30 | CWLE     | Straight 2 Prong Plug  | 50/60 | Double    | Aluminum  | 12CSHEMA1 |
| 10312                 | 12    | 115     | 1550 | 0.30 | CWLE     | 90 Degree 2 Prong Plug | 50/60 | Double    | Aluminum  | 12CSHBV2  |
| 10313                 | 12    | 115     | 1550 | 0.30 | CWLE     | 90 Degree 2 Prong Plug | 50/60 | Double    | Aluminum  | 12CSHEMV1 |
| 10113                 | 13    | 115     | 1550 | 0.40 | CWLE     | Straight 2 Prong Plug  | 50/60 | Double    | Aluminum  | 13CSHEMA1 |
| 10215                 | 12    | 230     | 1550 | 0.15 | CWLE     | Straight 2 Prong Plug  | 50/60 | Double    | Aluminum  | 15CSHEMA2 |
| 10116                 | 16    | 115     | 1550 | 0.60 | CWLE     | Straight 2 Prong Plug  | 50/60 | Double    | Aluminum  | 16SCHEMA1 |
| 10218                 | 18    | 115     | 1550 | 0.90 | CCWLE    | Straight 2 Prong Plug  | 50/60 | Double    | Cast Iron | 18AHEMAR1 |
| 10219                 | 19    | 208-230 | 1550 | 0.45 | CCWLE    | Straight 2 Prong Plug  | 50/60 | Double    | Cast Iron | 19AHMAR2  |