

# UNIMOUNT® Brakemotor Totally Enclosed Fan Cooled (TEFC) Motor



## APPLICATIONS:

For use on conveyors, machine tools, door operators, speed reducers, or any application requiring quick stops and positive holds.

## FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Aluminum Frame (180 Frame)
- Rolled Steel Frame (56-140 Frames)
- Full 50 & 60 Hertz Operating on Nameplate (3)
- 40°C Ambient, NEMA<sup>®</sup> Design B Performance On 60 Hertz Sine Wave Power
- Full HP @ 50 Hertz
- Double Shielded Bearings (180 Frame)
- Dual Voltage Ratings Suitable for Part Winding Start (PWS) on Low Voltage
- "CE" Mark on Nameplate (140-180 Frames)
- Lifting Provisions (180 Frame)

## Footed

| HP    | RPM  | Voltage     | Frame | Catalog Number | Discount Symbol | SF   | "C" Dim. (inches) | Ship Wt. (lbs) | NEMA Nom. Eff. | Full Load Amps | Brake Torque (lb-ft) | Notes |
|-------|------|-------------|-------|----------------|-----------------|------|-------------------|----------------|----------------|----------------|----------------------|-------|
| 1/2   | 1800 | 208-230/460 | 56    | BMU12S2A       | DS-3BMR         | 1.25 | 17.4              | 35             | 75.5           | 1.8-1.7/0.9    | 3.0                  |       |
| 3/4   | 1800 | 208-230/460 | 56    | BMU34S2A       | DS-3BMR         | 1.25 | 17.4              | 35             | 78.5           | 2.6-2.7/1.3    | 6.0                  |       |
| 1     | 1800 | 208-230/460 | 143T  | BMU1P2D        | DS-3BMR         | 1.25 | 17.4              | 35             | 85.5           | 3.1-3/1.5      | 6.0                  |       |
|       | 1800 | 208-230/460 | 143T  | BMU1S2A        | DS-3BMR         | 1.25 | 17.6              | 42             | 81.5           | 3.1-3.2/1.6    | 6.0                  | LA    |
| 1 1/2 | 1800 | 208-230/460 | 56    | BMU32P2D       | DS-3BMR         | 1.25 | 17.4              | 35             | 86.5           | 4.5-4.3/2.1    | 10.0                 |       |
| 2     | 1800 | 208-230/460 | 145T  | BMU2P2D        | DS-3BMR         | 1.25 | 17.4              | 35             | 86.5           | 5.9-5.7/2.8    | 10.0                 |       |
|       | 1800 | 208-230/460 | 145T  | BMU2S2A        | DS-3BMR         | 1.25 | 17.6              | 27             | 82.5           | 6.2-6.2/3.1    | 10.0                 | LA    |
| 3     | 1800 | 208-230/460 | 182T  | BMU3P2D        | DS-3BMR         | 1.25 | 21.6              | 170            | 89.5           | 8.4-7.8/3.9    | 15.0                 |       |
| 5     | 1800 | 208-230/460 | 184T  | BMU5P2D        | DS-3BMR         | 1.25 | 21.6              | 85             | 90.2           | 13.6-12.3/6.2  | 25.0                 |       |

## C-Face Footless

| HP    | RPM  | Voltage     | Frame | Catalog Number | Discount Symbol | SF   | "C" Dim. (inches) | Ship Wt. (lbs) | NEMA Nom. Eff. | Full Load Amps | Brake Torque (lb-ft) | Notes |
|-------|------|-------------|-------|----------------|-----------------|------|-------------------|----------------|----------------|----------------|----------------------|-------|
| 1/2   | 1800 | 208-230/460 | 56C   | BMU12S2ACR     | DS-3BMR         | 1.25 | 15.6              | 30             | 75.5           | 1.8-1.7/0.9    | 3.0                  |       |
| 3/4   | 1800 | 208-230/460 | 56C   | BMU34S2AFCR    | DS-3BMR         | 1.25 | 15.6              | 37             | 78.5           | 2.6-2.7/1.3    | 6.0                  |       |
| 1     | 1800 | 208-230/460 | 56C   | BMU1P2DFCR     | DS-3BMR         | 1.25 | 17.9              | 35             | 85.5           | 3.1-3/1.5      | 6.0                  |       |
|       | 1800 | 208-230/460 | 143TC | BMU1P2DCR      | DS-3BMR         | 1.25 | 17.9              | 35             | 85.5           | 3.1-3/1.5      | 6.0                  |       |
|       | 1800 | 208-230/460 | 143TC | BMU1S2ACR      | DS-3BMR         | 1.25 | 18.1              | 40             | 81.5           | 3.1-3.2/1.6    | 6.0                  | LA    |
| 1 1/2 | 1800 | 208-230/460 | 56C   | BMU32P2DFCR    | DS-3BMR         | 1.25 | 17.9              | 35             | 86.5           | 4.5-4.3/2.1    | 10.0                 |       |
|       | 1800 | 208-230/460 | 56C   | BMU32S2AFCR    | DS-3BMR         | 1.25 | 16.9              | 38             | 81.5           | 4.7-4.7/2.3    | 10.0                 | LA    |
|       | 1800 | 208-230/460 | 145TC | BMU32P2DCR     | DS-3BMR         | 1.25 | 17.9              | 35             | 86.5           | 4.5-4.3/2.1    | 10.0                 |       |
| 2     | 1800 | 208-230/460 | 56C   | BMU2P2DFCR     | DS-3BMR         | 1.25 | 17.9              | 35             | 86.5           | 5.9-5.7/2.8    | 10.0                 |       |
|       | 1800 | 208-230/460 | 145TC | BMU2P2DCR      | DS-3BMR         | 1.25 | 17.9              | 35             | 86.5           | 5.9-5.7/2.8    | 10.0                 |       |
| 3     | 1800 | 208-230/460 | 182TC | BMU3P2DCR      | DS-3BMR         | 1.25 | 21.6              | 70             | 89.5           | 8.4-7.8/3.9    | 15.0                 |       |
| 5     | 1800 | 208-230/460 | 184TC | BMU5P2DCR      | DS-3BMR         | 1.25 | 22.3              | 85             | 90.2           | 13.6-12.3/6.2  | 25.0                 |       |

Note LA Limited Availability