

# High Torque Design C Motor Line

## Features:

- 1-200HP , 4 , 6 & 8 pole
- Design C, High Torque
- High Efficiency
- 230/460V & 575V with 1.15 Service Factor
- Dual Rating 200/400V 50Hz 1.0 Service Factor
- Class B Temperature Rise
- Cast Iron Construction
- TEFC Enclosure
- IP 55 Protection
- NEMA Frame143T-449T
- IEC Frame 90S-355L
- Symetric Frame 447T Smaller Frame for F1/F2 Convertibility
- Steel Capped Lip Seal on DE and ODE
- Over Sized Bearings
- VPI Winding Varnishing Process
- Class F Insulation System for VFD Applications
- C Flange with or without Feet



| No | Cat.No.   | Model            | HP  | Pole | Voltage | Frame | Efficiency FL(%) |
|----|-----------|------------------|-----|------|---------|-------|------------------|
| 1  | BME-HT001 | BTHT1-4P4-143T   | 1   | 4    | 575     | 143T  | 82.5             |
| 2  | BME-HT002 | BTHT1.5-4P4-145T | 1.5 | 4    | 575     | 145T  | 84.0             |
| 3  | BME-HT003 | BTHT2-4P4-145T   | 2   | 4    | 575     | 145T  | 84.0             |
| 4  | BME-HT004 | BTHT3-4P4-182T   | 3   | 4    | 575     | 182T  | 87.5             |
| 5  | BME-HT005 | BTHT5-4P4-184T   | 5   | 4    | 575     | 184T  | 87.5             |
| 6  | BME-HT006 | BTHT7.5-4P4-213T | 7.5 | 4    | 575     | 213T  | 89.5             |
| 7  | BME-HT007 | BTHT10-4P4-215T  | 10  | 4    | 575     | 215T  | 89.5             |
| 8  | BME-HT008 | BTHT15-4P4-254T  | 15  | 4    | 575     | 254T  | 91.0             |
| 9  | BME-HT009 | BTHT20-4P4-256T  | 20  | 4    | 575     | 256T  | 91.0             |
| 10 | BME-HT010 | BTHT25-4P4-284T  | 25  | 4    | 575     | 284T  | 92.4             |
| 11 | BME-HT011 | BTHT30-4P4-286T  | 30  | 4    | 575     | 286T  | 92.4             |
| 12 | BME-HT012 | BTHT40-4P4-324T  | 40  | 4    | 575     | 324T  | 93.0             |
| 13 | BME-HT013 | BTHT50-4P4-326T  | 50  | 4    | 575     | 326T  | 93.0             |
| 14 | BME-HT014 | BTHT60-4P4-364T  | 60  | 4    | 575     | 364T  | 93.6             |
| 15 | BME-HT015 | BTHT75-4P4-365T  | 75  | 4    | 575     | 365T  | 94.1             |

| No | Cat.No.   | Model              | HP  | Pole | Voltage | Frame  | Efficiency FL(%) |
|----|-----------|--------------------|-----|------|---------|--------|------------------|
| 16 | BME-HT016 | BTHT100-4P4-405T   | 100 | 4    | 575     | 405T   | 94.5             |
| 17 | BME-HT017 | BTHT125-4P4-444T   | 125 | 4    | 575     | 444T   | 94.5             |
| 18 | BME-HT018 | BTHT150-4P4-445T   | 150 | 4    | 575     | 445T   | 95.0             |
| 19 | BME-HT019 | BTHT200-4P4-445/7T | 200 | 4    | 575     | 445/7T | 95.0             |
| 20 | BME-HT020 | BTHT1-6P4-145T     | 1   | 6    | 575     | 145T   | 80.0             |
| 21 | BME-HT021 | BTHT1.5-6P4-182T   | 1.5 | 6    | 575     | 182T   | 85.5             |
| 22 | BME-HT022 | BTHT2-6P4-184T     | 2   | 6    | 575     | 184T   | 86.5             |
| 23 | BME-HT023 | BTHT3-6P4-213T     | 3   | 6    | 575     | 213T   | 87.5             |
| 24 | BME-HT024 | BTHT5-6P4-215T     | 5   | 6    | 575     | 215T   | 87.5             |
| 25 | BME-HT025 | BTHT7.5-6P4-254T   | 7.5 | 6    | 575     | 254T   | 89.5             |
| 26 | BME-HT026 | BTHT10-6P4-256T    | 10  | 6    | 575     | 256T   | 89.5             |
| 27 | BME-HT027 | BTHT15-6P4-284T    | 15  | 6    | 575     | 284T   | 90.2             |
| 28 | BME-HT028 | BTHT20-6P4-286T    | 20  | 6    | 575     | 286T   | 90.2             |
| 29 | BME-HT029 | BTHT25-6P4-324T    | 25  | 6    | 575     | 324T   | 91.7             |
| 30 | BME-HT030 | BTHT30-6P4-326T    | 30  | 6    | 575     | 326T   | 91.7             |
| 31 | BME-HT031 | BTHT40-6P4-364T    | 40  | 6    | 575     | 364T   | 93.0             |
| 32 | BME-HT032 | BTHT50-6P4-365T    | 50  | 6    | 575     | 365T   | 93.0             |
| 33 | BME-HT033 | BTHT60-6P4-404T    | 60  | 6    | 575     | 404T   | 93.6             |
| 34 | BME-HT034 | BTHT75-6P4-405T    | 75  | 6    | 575     | 405T   | 93.6             |
| 35 | BME-HT035 | BTHT100-6P4-444T   | 100 | 6    | 575     | 444T   | 94.1             |
| 36 | BME-HT036 | BTHT125-6P4-445T   | 125 | 6    | 575     | 445T   | 94.1             |
| 37 | BME-HT037 | BTHT150-6P4-445/7T | 150 | 6    | 575     | 445/7T | 95.0             |
| 38 | BME-HT038 | BTHT200-6P4-447/9T | 200 | 6    | 575     | 447/9T | 95.0             |
| 39 | BME-HT039 | BTHT3-8P4-215T     | 3   | 8    | 575     | 215T   | 84.0             |
| 40 | BME-HT040 | BTHT5-8P4-254T     | 5   | 8    | 575     | 254T   | 85.5             |
| 41 | BME-HT041 | BTHT7.5-8P4-256T   | 7.5 | 8    | 575     | 256T   | 85.5             |
| 42 | BME-HT042 | BTHT10-8P4-284T    | 10  | 8    | 575     | 284T   | 88.5             |
| 43 | BME-HT043 | BTHT15-8P4-286T    | 15  | 8    | 575     | 286T   | 88.5             |
| 44 | BME-HT044 | BTHT20-8P4-324T    | 20  | 8    | 575     | 324T   | 89.5             |
| 45 | BME-HT045 | BTHT25-8P4-326T    | 25  | 8    | 575     | 326T   | 89.5             |
| 46 | BME-HT046 | BTHT30-8P4-364T    | 30  | 8    | 575     | 364T   | 91.0             |
| 47 | BME-HT047 | BTHT40-8P4-365T    | 40  | 8    | 575     | 365T   | 91.0             |
| 48 | BME-HT048 | BTHT50-8P4-404T    | 50  | 8    | 575     | 404T   | 91.7             |
| 49 | BME-HT049 | BTHT60-8P4-405T    | 60  | 8    | 575     | 405T   | 91.7             |
| 50 | BME-HT050 | BTHT75-8P4-444T    | 75  | 8    | 575     | 444T   | 93.0             |
| 51 | BME-HT051 | BTHT100-8P4-445T   | 100 | 8    | 575     | 445T   | 93.0             |
| 52 | BME-HT052 | BTHT125-8P4-445/7T | 125 | 8    | 575     | 445/7T | 93.6             |
| 53 | BME-HT053 | BTHT150-8P4-449T   | 150 | 8    | 575     | 447/9T | 93.6             |
| 54 | BME-HT054 | BTHT200-8P4-449T   | 200 | 8    | 575     | 447/9T | 94.1             |