

**NEMA**

**Model BMG0026D-TC**  
MFG PN: T184T 2U6B

# Model BMG0026D-TC

## Product Data Package



| MODEL       | HP | RPM  | VOLTAGE | PHASE | Hz | FRAME | MOUNT          | ENCLOSURE |
|-------------|----|------|---------|-------|----|-------|----------------|-----------|
| BMG0026D-TC | 2  | 1175 | 230/460 | 3     | 60 | 184TC | Rigid/C-Flange | TEFC      |

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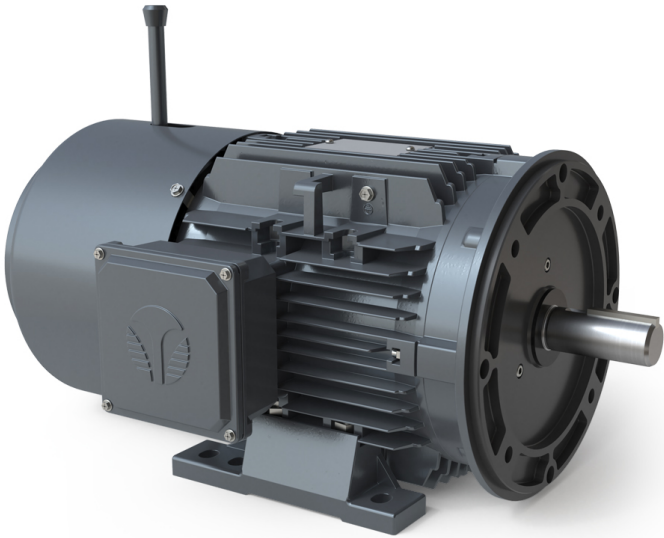
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# NEMA

**Model BMG0026D-TC**  
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| ELECTRICAL DATA                     |           |                            |
|-------------------------------------|-----------|----------------------------|
| Rated Motor Output Power            | 2         | HP                         |
|                                     | -         | kW                         |
| Rated Motor Speed                   | 1175      | r/min 60Hz                 |
|                                     | 970       | r/min 50Hz                 |
| Rated Motor Voltage (+/-10%)        | 230/460   | V/60Hz                     |
|                                     | 190/380   | V/50Hz                     |
| Rated Motor Current                 | 6.26/3.13 | A (I <sub>n</sub> ) @ 60Hz |
|                                     | 7.18/3.59 | A (I <sub>n</sub> ) @ 50Hz |
| Phase                               | 3         | Ø                          |
| Locked Rotor Current @ High Voltage | 22.6      | A (I <sub>n</sub> ) @ 60Hz |
| FI Current @ 208V                   | 6.36      | A (I <sub>n</sub> ) @ 60Hz |
| Service Factor                      | 1.25      | @ 60Hz                     |
|                                     | 1         | @ 50Hz                     |
| KVA Code                            | L         | 60Hz                       |
|                                     | J         | 50Hz                       |
| Nominal Efficiency                  | 88.5      | % @ 60Hz                   |
| Nominal Power Factor                | 0.68      | cosΦ @ 60Hz                |
| Leads (Qty, Size)                   | 9         | 16                         |
| Connection                          | YY/Y      | -                          |
| Coil Resistance                     | -         | Ω                          |
| Start Capacitor                     | -         | µF/V                       |
| Run Capacitor                       | -         | µF/V                       |
| VFD DUTY (S.F. 1.0)                 | RATIO     | Hz                         |
| Variable Torque                     | 30:1      | 2 - 60                     |
| Constant Torque                     | 15:1      | 4 - 60                     |
| FULL LOAD TEMPERATURE RISE          |           |                            |
| Full Load Temperature Rise          | 16.2      | °C @ 60Hz                  |
|                                     | 16        | °C @ 50Hz                  |

| BRAKE DATA                    | VDC                | VAC |
|-------------------------------|--------------------|-----|
| Brake Volts / Rectifier Volts | 205                | 230 |
| Brake Model                   | REB04-014B-205-045 |     |
| Rectifier Model               | RZL141-170H        |     |

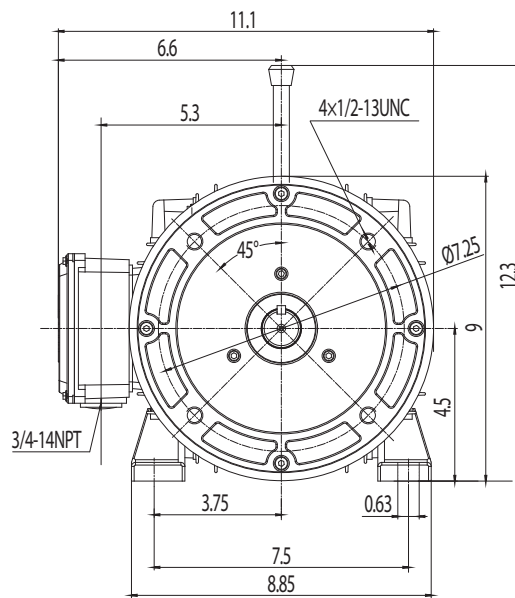
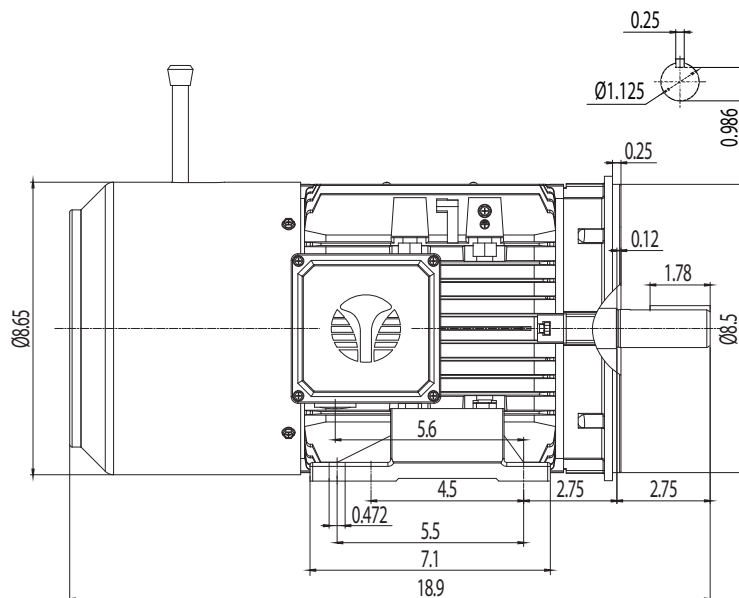
| GENERAL DATA                        |                  |       |
|-------------------------------------|------------------|-------|
| Frame Size                          | 184TC            |       |
| Enclosure                           | TEFC             |       |
| Mounting                            | Rigid/C-Flange   |       |
| Approximate Weight (lbs.)           | 102.9 lbs.       |       |
| Casing Material / Fan Cover         | Cast Aluminum    | Steel |
| Shaft Material                      | 1045             |       |
| NEMA Design                         | B                |       |
| Degree of Protection (IP)           | 55               |       |
| Insulation Class / Temp Rise (60Hz) | F                | B     |
| Tropicalization                     | YES              |       |
| Duty                                | Cont. / S1       |       |
| Conduit Box Location                | F1               |       |
| Feet Removable / Double Drilled     | YES              | YES   |
| Paintwork                           | 7024             |       |
|                                     | Graphite Gray    |       |
| MECHANICAL DATA                     |                  |       |
| Bearing DE Side                     | 6306 ZZ          |       |
| Bearing ODE Side                    | 6206 ZZ          |       |
| Grease Type                         | Mobil Polyrex EM |       |
| Compensation Ring (wavy washer)     | NDE              |       |
| Moment of Inertia (lb-ft²)          | -                |       |
| Sound Pressure @ 3 FT dBA           | -                |       |
| SITE CONDITIONS                     |                  |       |
| Ambient Temperature (°C)            | 40               |       |
| Meters Above Sea Level (MASL)       | 1000             |       |
| HAZARDOUS LOCATIONS                 |                  |       |
| CSA Certified                       | -                |       |
| Temperature Code                    | -                | -     |

| BRAKE TORQUE         |      |
|----------------------|------|
| Rated Torque (ft.lb) | 33.2 |
| Rated Torque (Nm)    | 45   |

**Questions? Call 1.888.286.1820**

**NEMA**

**Model BMG0026D-TC**  
**MFG PN: T184T 2U6B**



| NAMEPLATE DATA             | 60Hz       | 50Hz      |
|----------------------------|------------|-----------|
| Horse Power                | 2          | 2         |
| RPM                        | 1175       | 970       |
| Voltage                    | 230/460    | 190/380   |
| Full Load Amps             | 6.26/3.13  | 7.18/3.59 |
| Service Factor             | 1.25       | 1         |
| KVA Code                   | L          | J         |
| Full Load Amps (208V)      | 6.36       | -         |
| Nominal Efficiency         | 88.5       | 88.1      |
| Nominal Power Factor       | 0.68       | -         |
| Design                     | B          |           |
| Frame                      | 184TC      |           |
| Enclosure Type             | TEFC       |           |
| IP Rating                  | 55         |           |
| Duty                       | Cont. / S1 |           |
| Insulation Class           | F          |           |
| Ambient Rating             | 40         |           |
| Drive End Bearing          | 6306 ZZ    |           |
| Opposite Drive End Bearing | 6206 ZZ    |           |
| Weight (lbs)               | 102.9      |           |

**NAMEPLATE LAYOUT**

**TECHTOP** INDUSTRIAL THREE PHASE MOTOR  
 INVERTER DUTY 15:1 CT 30:1 VT - 1.0 SF

|                |      |      |           |         |
|----------------|------|------|-----------|---------|
| MODEL          | 60Hz | 50Hz | MFG PN    |         |
| HP             |      |      | MFG DATE  |         |
| RPM            |      |      | SER #     |         |
| VOLT           |      |      | DESIGN    |         |
| FLA            |      |      | FRAME     |         |
| SF             |      |      | ENCL / IP | TEFC 55 |
| KVA CODE       |      |      | DUTY      |         |
| NOM.EFF        |      |      | INS CL    |         |
| EFF 75%        |      |      | AMB       |         |
| PF             |      |      | DE        |         |
| USABLE AT 208V |      |      | ODE       |         |
|                | A    |      | WEIGHT    | lbs     |

BRAKE: NM FT-LBS VOLTS: VAC VDC MADE IN CHINA

**NEMA Premium**  
 TECHTOPCANADA.COM

CC088A  
 E323353  
 SP  
 C224653  
 Energy Verified Only

| VFD DUTY (S.F. 1.0) | RATIO | Hz*    |
|---------------------|-------|--------|
| Variable Torque     | 30:1  | 2 - 60 |
| Constant Torque     | 15:1  | 4 - 60 |

\*For max speed please contact Techtop Canada

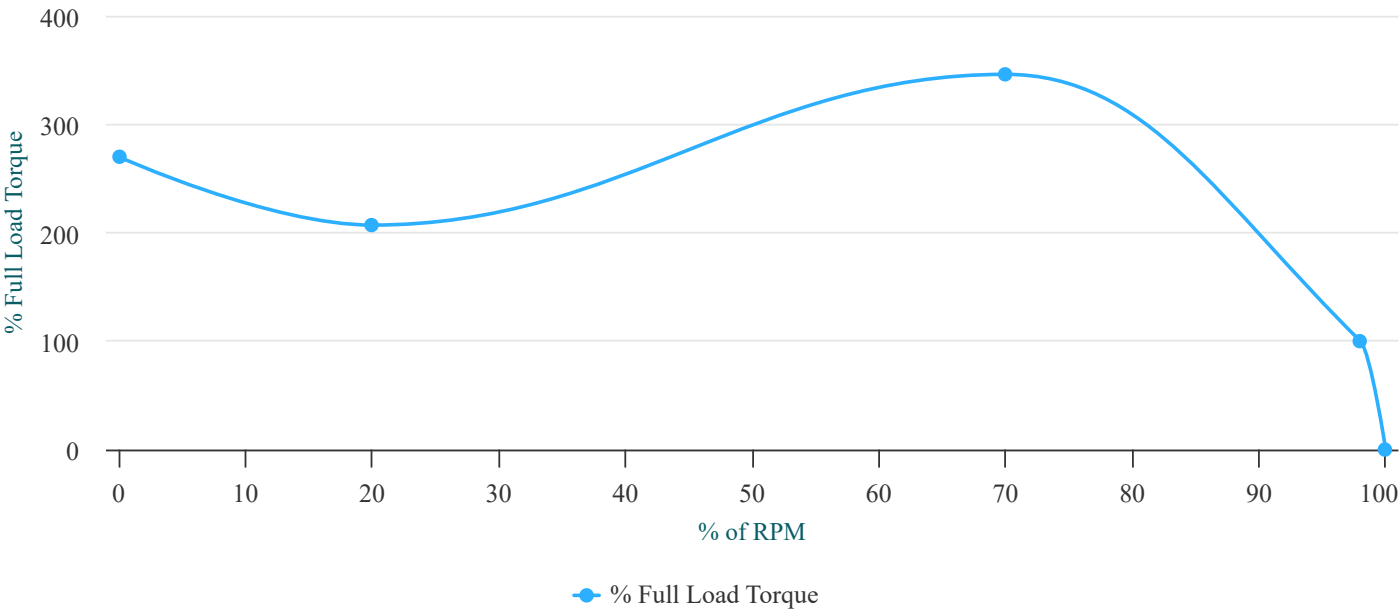
| DC BRAKE DATA             |     |      |
|---------------------------|-----|------|
| Brake Torque (Nm / ft.lb) | 45  | 33.2 |
| Brake Volts (VDC / VAC)   | 205 | 230  |

**Questions? Call 1.888.286.1820**



**Model BMG0026D-TC**  
MFG PN: T184T 2U6B

**Torque Speed (T-n) Curve**



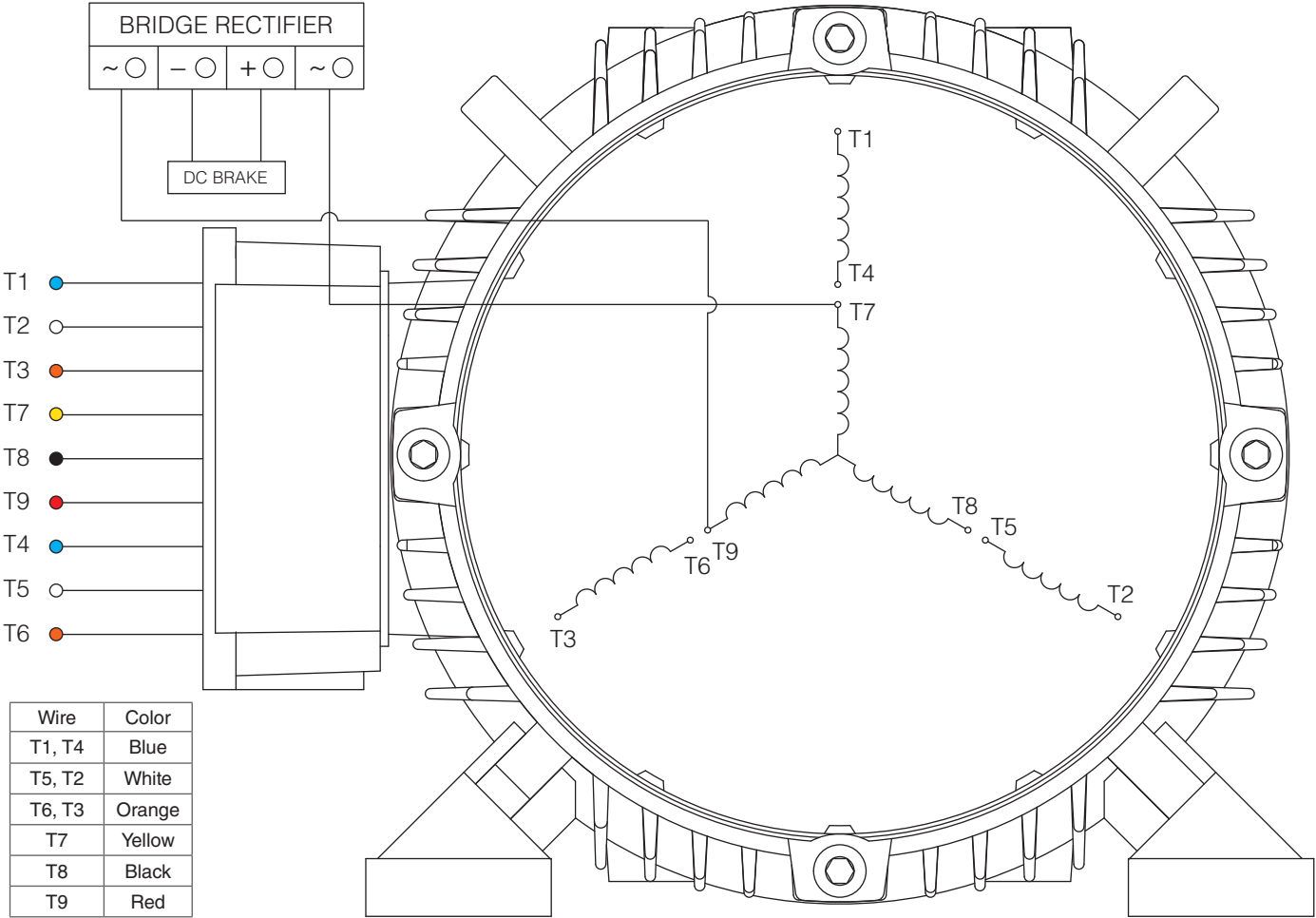
**PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz**

| TORQUE VALUES       | TORQUE (lb-ft) | TORQUE (% FULL LOAD) | PERFORMANCE VALUES   |      |
|---------------------|----------------|----------------------|----------------------|------|
| Locked Rotor Torque | 8.9            | 270                  | Start Configuration  | DOL  |
| Pull-Up Torque      | 18.5           | 207                  | Starting Current (A) | 22.6 |
| Breakdown Torque    | 30.9           | 346                  | No-Load Current (A)  | 2    |
| Full Load Torque    | 24.1           | 100                  | No-Load Power Factor | 0.07 |

**TYPICAL PERFORMANCE - NOT GUARANTEED VALUES**

| % OF RATED LOAD     | 25   | 50   | 75   | 100  | 125  | S.F. 1.25 |
|---------------------|------|------|------|------|------|-----------|
| Line Amperes (A)    | 2.1  | 2.3  | 2.7  | 3.1  | 3.6  | 3.6       |
| Efficiency (%)      | 77.8 | 86   | 88.4 | 89.1 | 89   | 89        |
| Speed (r/min)       | 1194 | 1190 | 1185 | 1179 | 1172 | 1172      |
| Power Factor (cosΦ) | 0.3  | 0.48 | 0.6  | 0.69 | 0.74 | 0.74      |
| Input Power (kW)    | 0.48 | 0.87 | 1.27 | 1.68 | 2.11 | 2.11      |

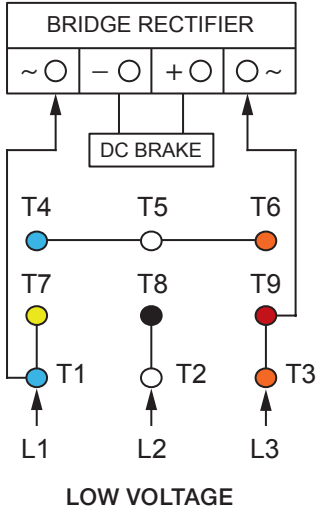
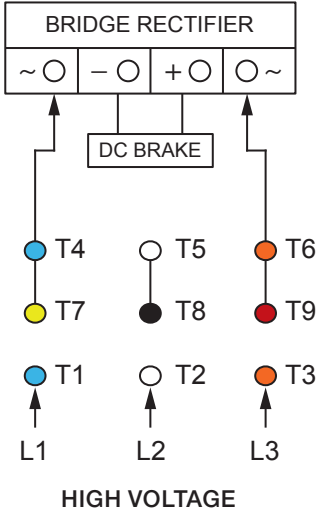
Questions? Call **1.888.286.1820**



- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
  - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
  - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “\*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
  - 4. LEADS MUST BE NUMBERED AND COLORED AS SHOWN
  - 5. DIAGRAMS FOR REFERENCE ONLY



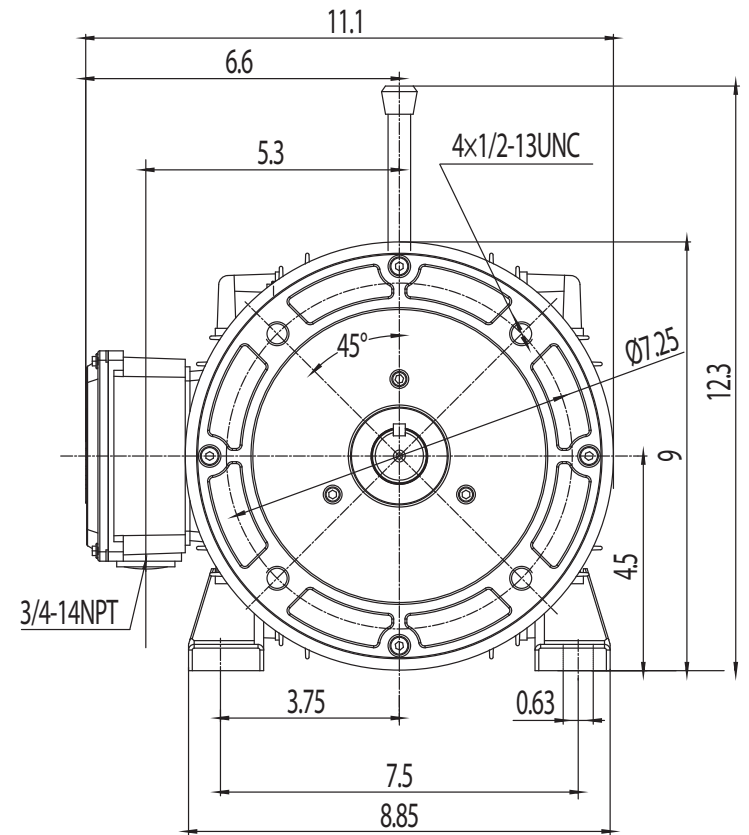
|                     |                   |
|---------------------|-------------------|
| DRAWING NUMBER:     | NEMA-3-9-YY-Y-BRK |
| CONNECTION:         | YY/Y              |
| NUMBER OF LEADS:    | 9                 |
| THERMAL PROTECTION: | Optional          |



NEMA 3Ø YY/Y 9-Lead Dual Voltage

ISSUED DATE 07/07/25

PREMIUM T-FRAME BRAKE MOTORS



## NEMA Premium TEFC 184TC

|                  |                     |                              |          |
|------------------|---------------------|------------------------------|----------|
| DRAWING NUMBER:  | GR3-AL-TF-180TC-BRK | ISSUED DATE                  | 07/07/25 |
| DIMENSIONS:      | Inches              |                              |          |
| MOUNTING:        | Rigid/C-Flange      | PREMIUM T-FRAME BRAKE MOTORS |          |
| CASING MATERIAL: | Cast Aluminum       |                              |          |