

NEMA

Model BMG0104F-TD
MFG PN: T215T 10U4B

Model **BMG0104F-TD**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
BMG0104F-TD	10	1760	575	3	60	215TD	Rigid/D-Flange	TEFC

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ELECTRICAL DATA		
Rated Motor Output Power	10	HP
	-	kW
Rated Motor Speed	1760	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	575	V/60Hz
	-	V/50Hz
Rated Motor Current	9.55	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	99.36	A (I _n) @ 60Hz
FI Current @ 208V	-	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	-	@ 50Hz
KVA Code	L	60Hz
	-	50Hz
Nominal Efficiency	91.7	% @ 60Hz
Nominal Power Factor	0.86	cosΦ @ 60Hz
Leads (Qty, Size)	3	14
Connection	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	-	°C @ 60Hz
	-	°C @ 50Hz

BRAKE DATA	VDC	VAC
Brake Volts / Rectifier Volts	250	575
Brake Model	REB04-016B-250-100	
Rectifier Model	G370-RZL241-170	

GENERAL DATA		
Frame Size	215TD	
Enclosure	TEFC	
Mounting	Rigid/D-Flange	
Approximate Weight (lbs.)	170.3 lbs.	
Casing Material / Fan Cover	Cast Aluminum	Steel
Shaft Material	1045	
NEMA Design	A	
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	6308 ZZ	
Bearing ODE Side	6208 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)	73.8
Rated Torque (Nm)	100

Questions? Call 1.888.286.1820

NEMA

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NAMEPLATE DATA	60Hz	50Hz
Horse Power	10	10
RPM	1760	-
Voltage	575	-
Full Load Amps	9.55	-
Service Factor	1.25	-
KVA Code	L	-
Full Load Amps (208V)	-	-
Nominal Efficiency	91.7	-
Nominal Power Factor	0.86	-
Design	A	
Frame	215TD	
Enclosure Type	TEFC	
IP Rating	55	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6308 ZZ	
Opposite Drive End Bearing	6208 ZZ	
Weight (lbs)	170.3	

NAMEPLATE LAYOUT

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

MODEL

60Hz 50Hz

HP

RPM

VOLT

FLA

SF

KVA CODE

NOM.EFF

EFF 75%

PF

USABLE AT 208V

A

**NEMA Premium**
TECHTOPCANADA.COM

MFG PN

MFG DATE

SER #

DESIGN

FRAME

ENCL / IP

DUTY

INS CL

AMB

DE

ODE

WEIGHT

lbs









CC088A
E323353
C224653
Energy Verified Only

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

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

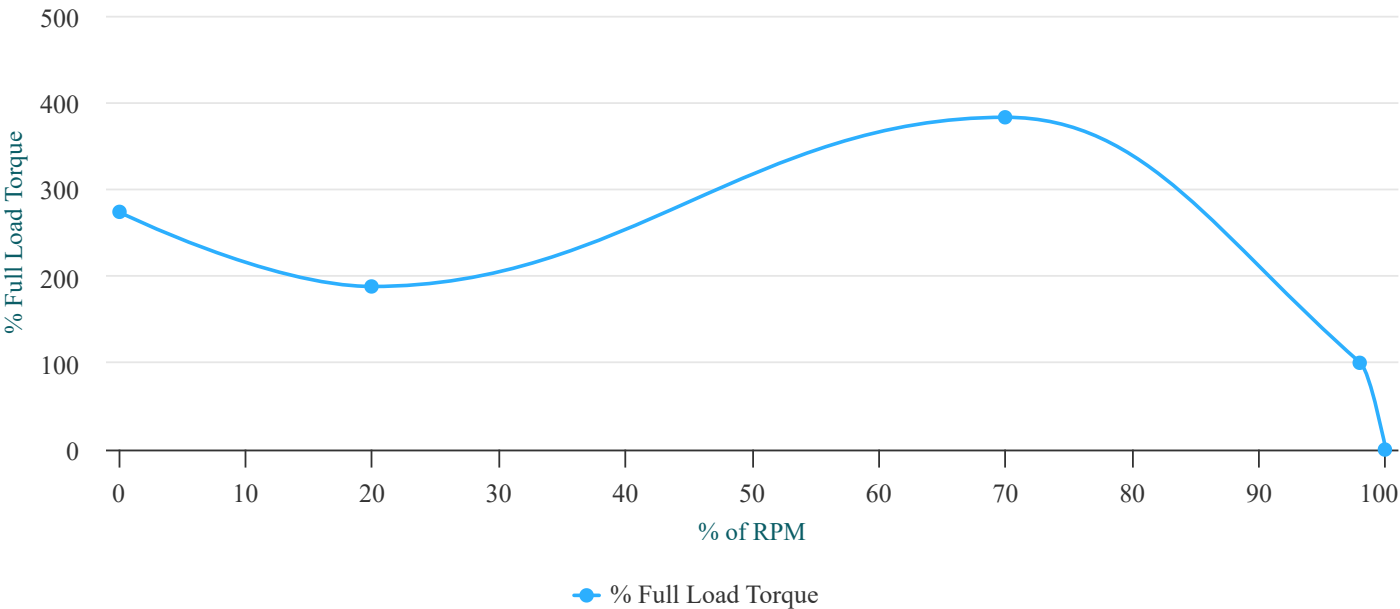
DC BRAKE DATA		
Brake Torque (Nm / ft.lb)	100	73.8
Brake Volts (VDC / VAC)	250	575

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Torque Speed (T-n) Curve



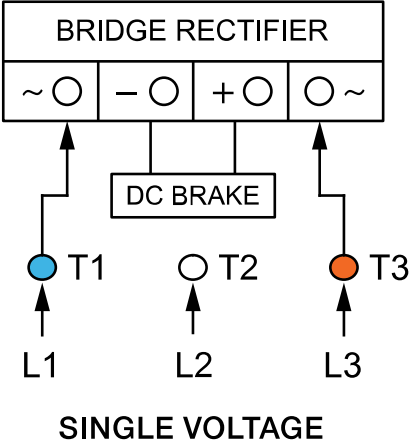
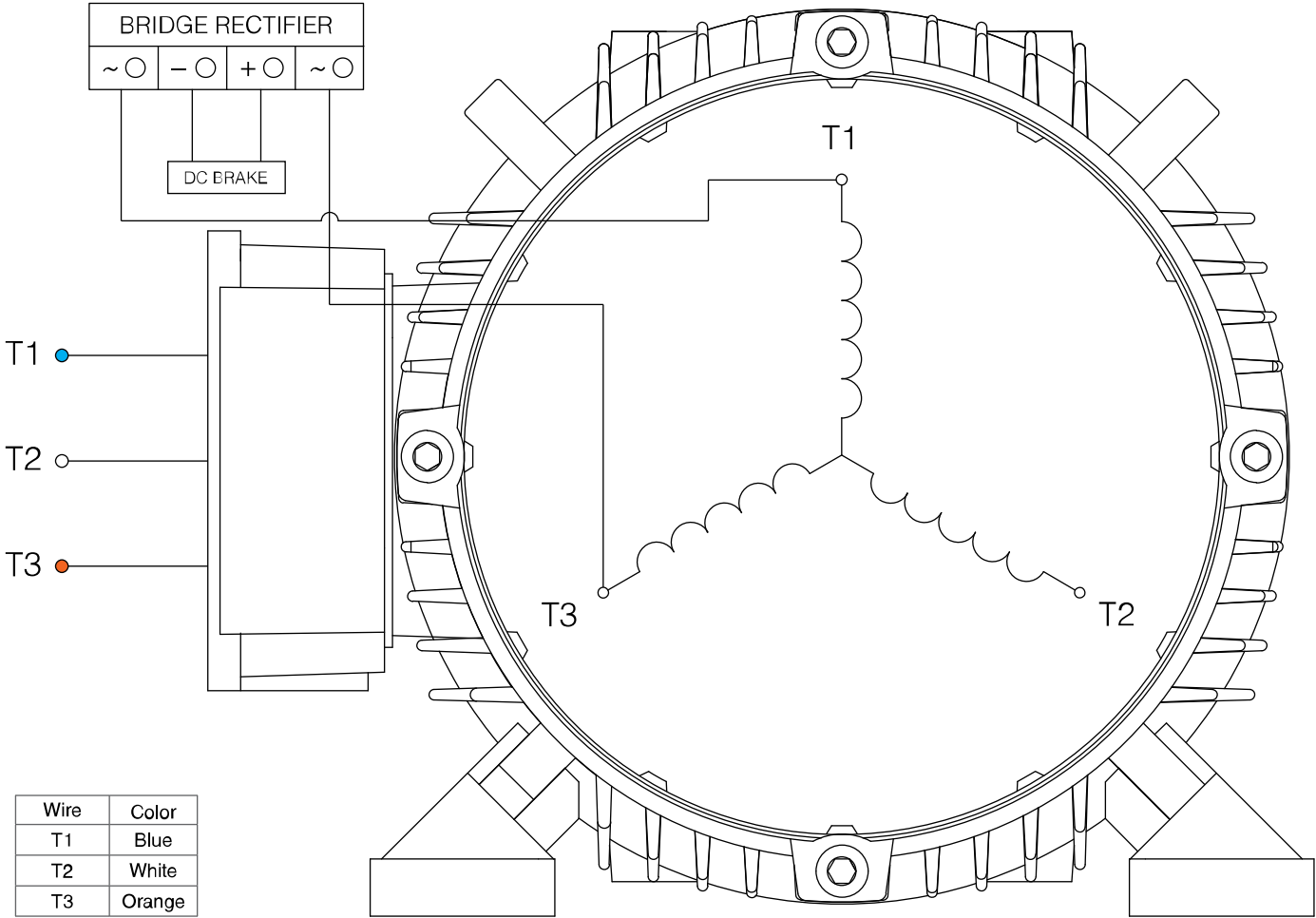
PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz

TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	29.8	274	Start Configuration	DOL
Pull-Up Torque	56.1	188	Starting Current (A)	99.36
Breakdown Torque	114.3	383	No-Load Current (A)	4
Full Load Torque	81.8	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)	4.4	5.9	7.6	9.6	11.8	11.8
Efficiency (%)	86.8	91.3	92.1	91.9	91.2	91.2
Speed (r/min)	1792	1785	1777	1768	1758	1758
Power Factor (cosΦ)	0.49	0.7	0.81	0.85	0.87	0.87
Input Power (kW)	2.16	4.11	6.11	8.16	10.28	10.28

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- 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-3-3-Y-BRK
CONNECTION:	Y
NUMBER OF LEADS:	3
THERMAL PROTECTION:	Optional

NEMA 3Ø Y 3-Lead Single Voltage

ISSUED DATE	11/07/25
PREMIUM T-FRAME BRAKE MOTORS	



Model **BMG0104F-TD**
MFG PN: T215T 10U4B



NEMA Premium TEFC 215TD

DRAWING NUMBER:	GR3-AL-TF-210TD-BRK	ISSUED DATE	11/07/25
DIMENSIONS:	Inches		
MOUNTING:	Rigid/D-Flange	PREMIUM T-FRAME BRAKE MOTORS	
CASING MATERIAL:	Cast Aluminum		