



Model NumberGX3-AL-TF-182T-6-B-D-1.5-230|460-60

MFG PNTFC182T1.5U6B

List Price--

All data shown at HIGH voltage setting

FormatSTD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	1.5 HP
Rated Motor Speed	1175 r/min
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ
Rated Motor Current	4.8/2.4 Amps
Service Factor	1.25
KVA Code	L
Nominal Efficiency	87.5 %
Nominal Power Factor	0.66 cos θ
Full Load Torque Ft-Lb	6.616272 Ft-Lb
Temp Rise @ Full Load °C	20.7
Efficiency Level	IE3 - NEMA Premium

Frame Size	182
Enclosure	TEFC
Approximate Weight	103
NEMA Design	B
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	1.25
Feet Removable	YES
Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps
Locked Rotor	-	256	17.12
Breakdown	-	362	-
Pull Up	-	196	-
125% of FL	1173	-	2.7
75% of FL	1185	-	2
50% of FL	1190	-	1.83
No Load	1199	-	1.62

Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	NO
Brake Voltage (DC)	
Brake Torque (N-M)	

Mechanical Data

Bearing DE Side	6306 ZZ
Bearing NDE Side	6306 ZZ
Moment of Inertia	kg.m2
Noise Level	Per NEMA dB (A)

Class 1, Div 2, Grp A,B,C,D

Loaded Torque Curves

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CT VFD Range

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P_1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), $\cos\phi$ = Power Factor

CertificationsULCSADOE

File Numbers323353224693096A

Wiring Diagram3PH 9 Lead Dual Voltage

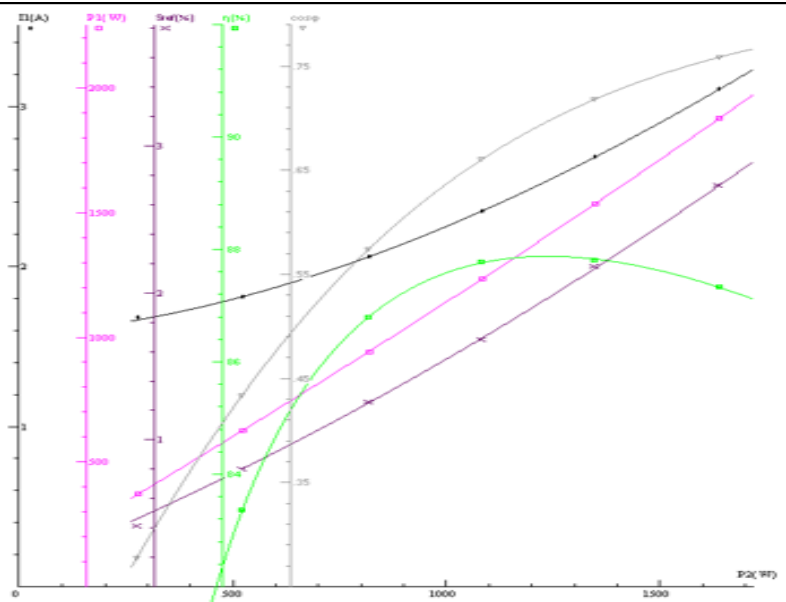
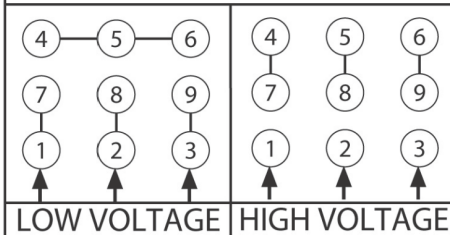
3 Phase - YY/Y - 9 Lead

4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD

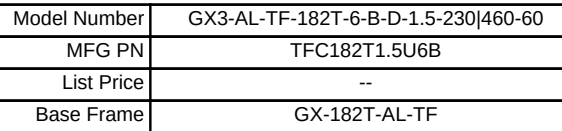
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom

CONNECTIONS



Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



Technical drawing of the 1000W 24VDC brushless motor, showing front, side, and detail views with dimensions.

Front View Dimensions:

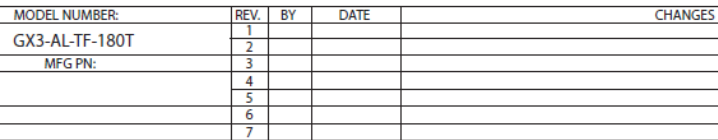
- Total width: 16.1
- Total height: 8.65
- Motor body width: 7.1
- Motor body height: 5.5
- Flange width: 4.5
- Flange height: 5.6
- Shaft diameter: $\varnothing 8.65$
- Shaft length: 2.75
- Shaft thread: $\frac{3}{4}$ -14 NPT

Side View Dimensions:

- Total width: 10.9
- Total height: 8.85
- Motor body width: 5.3
- Motor body height: 4.5
- Flange width: 3.75
- Flange height: 0.63
- Shaft diameter: $\varnothing 1.125$
- Shaft length: 1.78

Detail View Dimensions:

- Flange width: 0.25
- Flange height: 0.25
- Flange diameter: $\varnothing 1.125$
- Flange thickness: 0.986



MATERIAL: ALUMINUM	
UNITS: INCH	BY: SSEE
DRAWN: 11/16/2018	
WWW.TECHTOP.COM	

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