



Model Number	GX3-AL-TF-182TC-2-B-D-3-230 460-60
MFG PN	T182T3U2B
List Price	--

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data		General Data	
Rated Motor Output Power	3 HP	Frame Size	182
Rated Motor Speed	3515 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	60.5
Rated Motor Current	7.17/3.59 Amps	NEMA Design	A
Service Factor	1.25	IP Rating	55
KVA Code	K	Insulation Class	F
Nominal Efficiency	86.5 %	Tropicalization	YES
Nominal Power Factor	0.89 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	4.39004768 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	37.2	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	
Locked Rotor	-	255	33.29	Rated Altitude (M)	1000
Breakdown	-	356	-	Coating	7024 - Graphite Grey
Pull Up	-	126	-	Shaft Grounding	Yes
125% of FL	3494.4	-	3.9194	Brake Voltage (DC)	--
75% of FL	3540.5	-	2.7895	Brake Torque (N-M)	--
50% of FL	3560.6	-	2.1231	Mechanical Data	
No Load	--	-	1.307	Bearing DE Side	6306C3

Hazardous Location	Class 1, Div 2, Grp A,B,C,D		Bearing NDE Side	6306C3
			Moment of Inertia	-- kg.m2
			Noise Level	Per NEMA dB (A)

CT VFD Range	--	Loaded Torque Curves	
		P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor	

Certifications	UL	CSA	DOE
----------------	----	-----	-----

File Numbers	323353	224693	096A
--------------	--------	--------	------

Wiring Diagram	3PH 9 Lead Dual Voltage
----------------	-------------------------

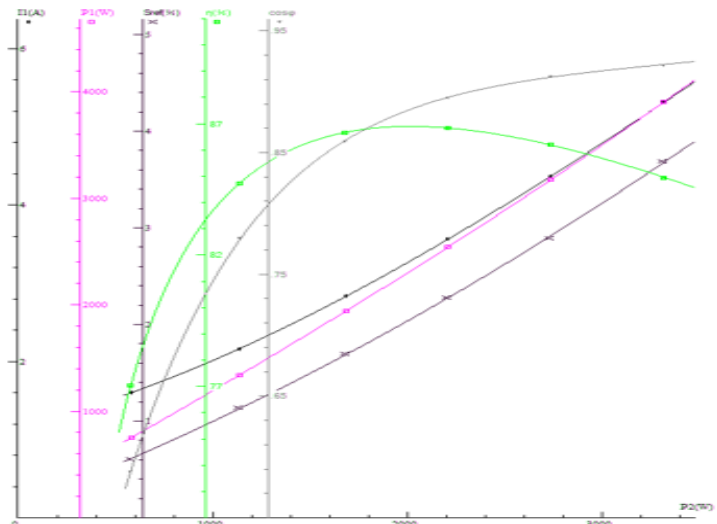
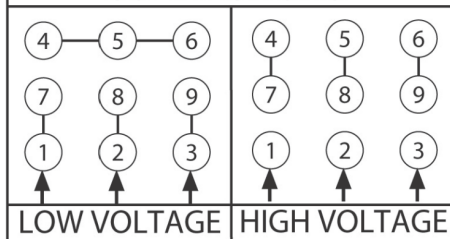
3 Phase - YY/Y - 9 Lead

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

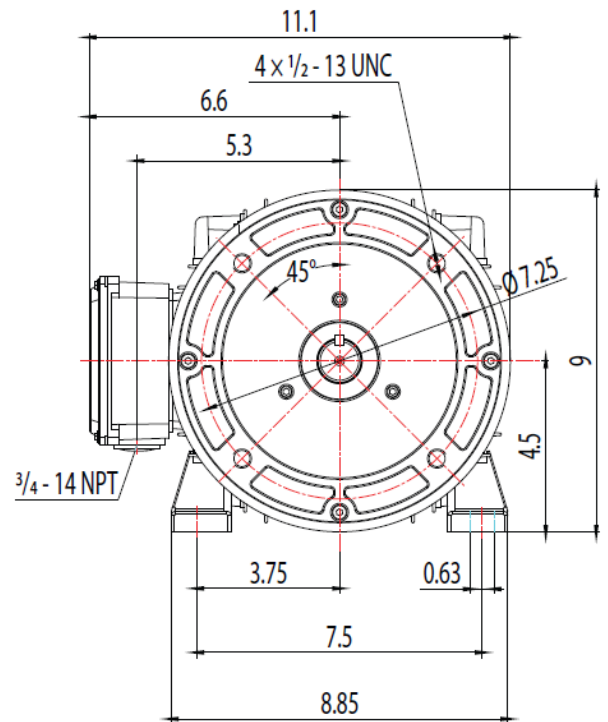
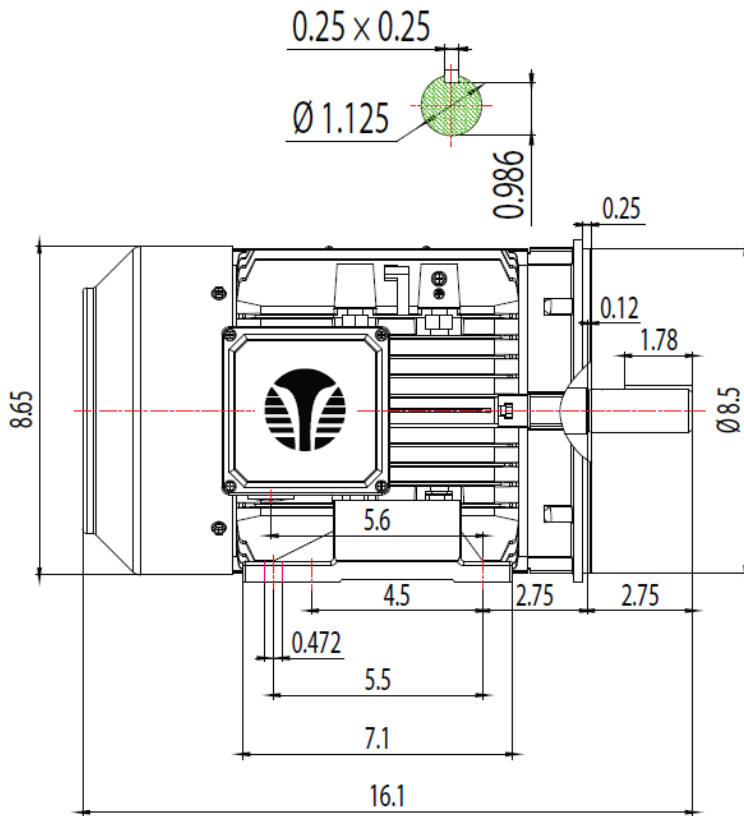
CONNECTIONS





Model Number	GX3-AL-TF-182TC-2-B-D-3-230 460-60
MFG PN	T182T3U2B
List Price	--
Base Frame	GX-182TC-AL-TF

FRAME: 180TC HP: RPM: PHASE: 3 VOLT: 208-230/460V ENCL: TEFC FREQ: 60 Hz FLA: LRA:



MODEL NUMBER:
GX3-AL-TF-180TC
MFG PN:

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

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

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