TECHTOP electric motors	**Model Number**	**GX3-AL-TF-145T-6-B-D-1-230|460-60**
	MFG PN	**T145T1U6B**
	List Price	**--**

All data shown at HIGH voltage setting — Format: STD 3 Phase

Electrical Data	
Rated Motor Output Power	1 HP
Rated Motor Speed	1145 r/min
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ
Rated Motor Current	3.4/1.7 Amps
Service Factor	1.25
KVA Code	H
Nominal Efficiency	82.5 %
Nominal Power Factor	0.68 cosθ
Full Load Torque Ft-Lb	4.58801952 Ft-Lb
Temp Rise @ Full Load °C	23.1
Efficiency Level	IE3 - NEMA Premium

Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	194	8.46
Breakdown	-	278	-
Pull Up	-	218	-
125% of FL	1128.7	-	1.9246
75% of FL	1162.7	-	1.389
50% of FL	1176.3	-	1.2143
No Load	--	-	1.078

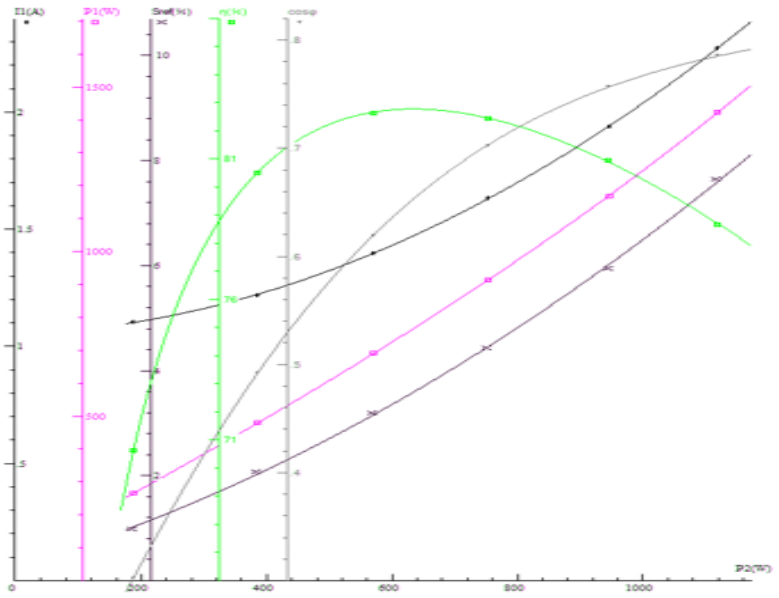
Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**

General Data	
Frame Size	145
Enclosure	TEFC
Approximate Weight	33.44
NEMA Design	A
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	3/4"-14 NPSC
Feet Removable	YES
Double Drilled	NO
Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	Yes
Brake Voltage (DC)	--
Brake Torque (N-M)	--
Mechanical Data	
Bearing DE Side	6205ZZ
Bearing NDE Side	6205ZZ
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

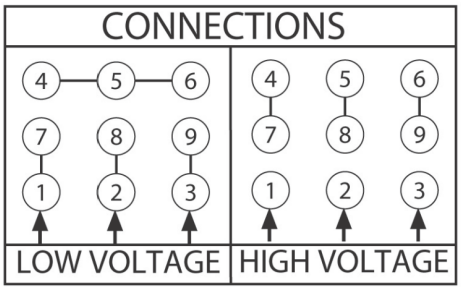
Wiring Diagram	**3PH 9 Lead Dual Voltage**

3 Phase - YY/Y - 9 Lead

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

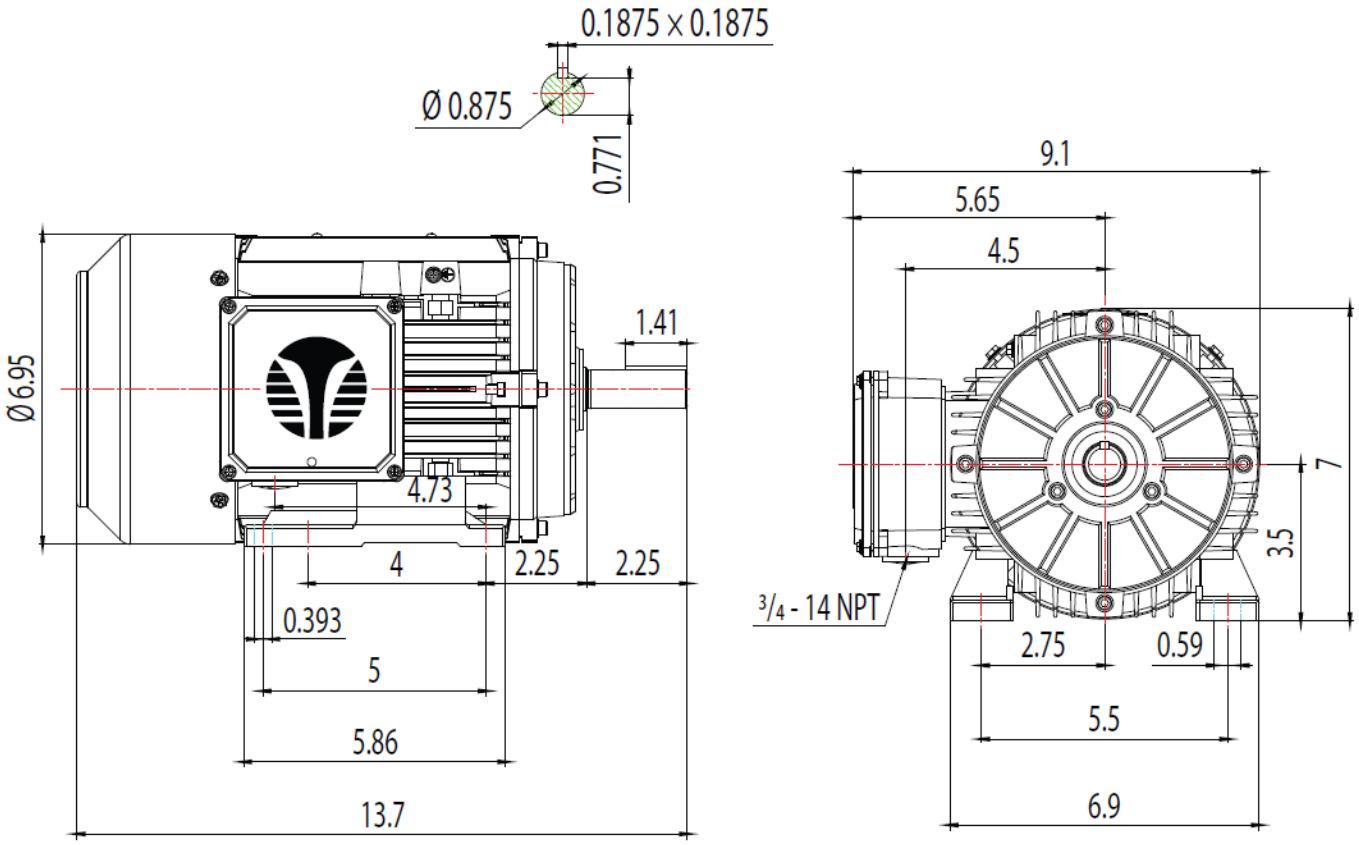
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

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



Model Number	GX3-AL-TF-145T-6-B-D-1-230|460-60
MFG PN	T145T1U6B
List Price	--
Base Frame	GX-145T-AL-TF

FRAME: 140T	HP:	RPM:	PHASE: 3	VOLT: 208-230/460V	ENCL: TEFC	FREQ: 60 Hz	FLA:	LRA:



MODEL NUMBER:	REV.	BY	DATE	CHANGES
GX3-AL-TF-140T	1			
MFG PN:	2			
	3			
	4			
	5			
	6			
	7			

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

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