TECHTOP electric motors	**Model Number**	**GX3-AL-TF-145TC-2-B-D-2-230|460-60**	
	MFG PN	**T145T2U2B**	
	List Price	**--**	
All data shown at HIGH voltage setting		Format	STD 3 Phase

Electrical Data		**General Data**	
Rated Motor Output Power	2 HP	Frame Size	145
Rated Motor Speed	3500 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	30
Rated Motor Current	5.18/2.59 Amps	NEMA Design	BE
Service Factor	1.25	IP Rating	55
KVA Code	L	Insulation Class	F
Nominal Efficiency	85.5 %	Tropicalization	YES
Nominal Power Factor	0.85 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	3.031536 Ft-Lb	Cable Entry	3/4"-14 NPSC
Temp Rise @ Full Load °C	39.4	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	294	23.6	Rated Altitude (M)	1000
Breakdown	-	332	-	Coating	7024 - Graphite Grey
Pull Up	-	202	-	Shaft Grounding	YES
125% of FL	3481	-	3.13	Brake Voltage (DC)	
75% of FL	3534	-	2	Brake Torque (N-M)	
50% of FL	3556	-	1.68	**Mechanical Data**	
No Load	3591	-	1.28	Bearing DE Side	6205 ZZ
Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**			Bearing NDE Side	6205 ZZ
				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	

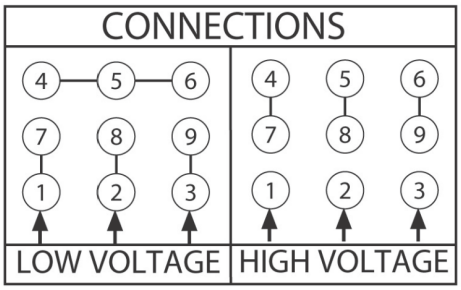
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead Dual Voltage**		

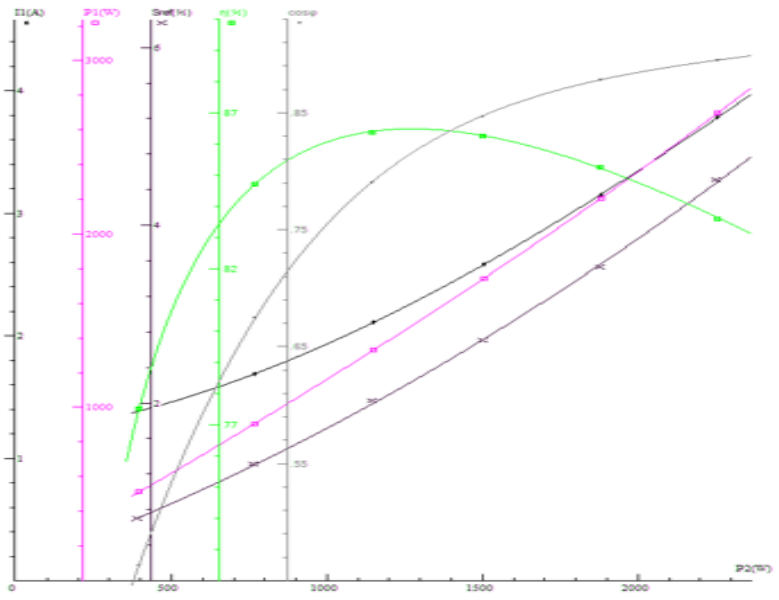
3 Phase - YY/Y - 9 Lead

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

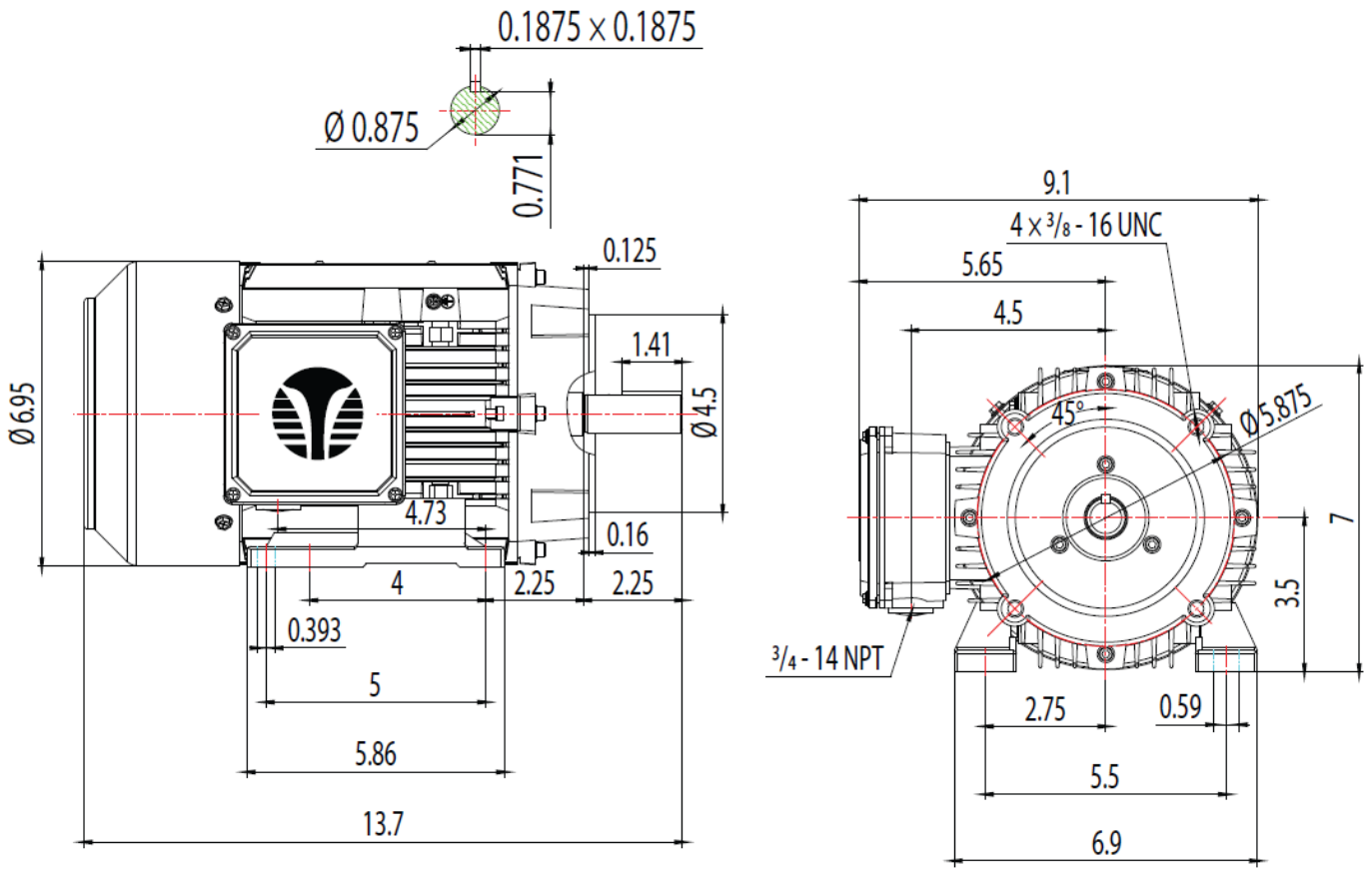
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GX3-AL-TF-145TC-2-B-D-2-230|460-60
MFG PN	T145T2U2B
List Price	--
Base Frame	GX-145TC-AL-TF

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



TECHTOP	MODEL NUMBER:	REV.	BY	DATE	CHANGES
	GX3-AL-TF-140TC	1			
	MFG PN:	2			
MATERIAL: ALUMINUM		3			
UNITS: INCH BY: SSEE		4			
DRAWN: 11/16/2018		5			
WWW.TECHTOP.COM		6			
		7			