TECHTOP electric motors	**Model Number**	**GX3-AL-TF-143T-2-B-D-1-230|460-60**	
	MFG PN	**T143T1U2B**	
	List Price	**--**	
All data shown at HIGH voltage setting		Format	STD 3 Phase

Electrical Data		**General Data**	
Rated Motor Output Power	1 HP	Frame Size	143
Rated Motor Speed	3490 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	22.44
Rated Motor Current	3.12/1.5 Amps	NEMA Design	A
Service Factor	1.25	IP Rating	55
KVA Code	k	Insulation Class	F
Nominal Efficiency	77 %	Tropicalization	YES
Nominal Power Factor	0.83 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	1.497328 Ft-Lb	Cable Entry	3/4"-14 NPSC
Temp Rise @ Full Load °C	40	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

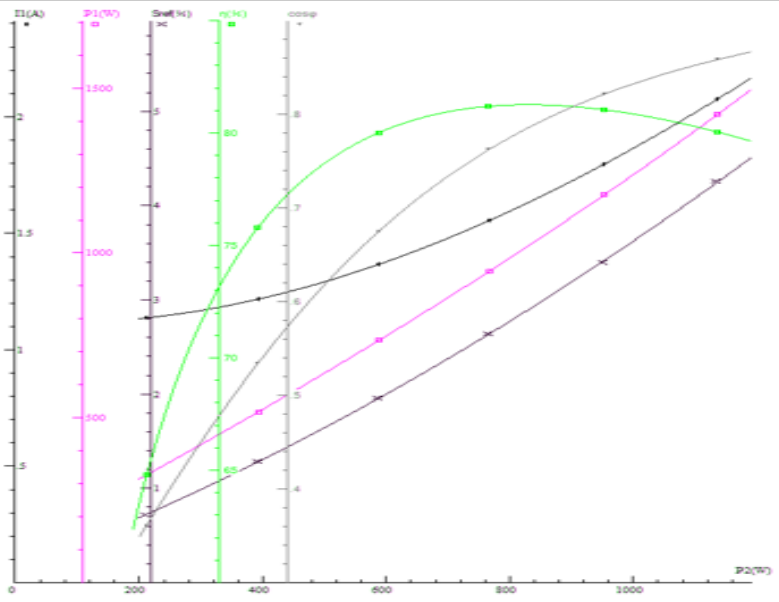
Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	238	10.48
Breakdown	-	351	-
Pull Up	-	163	-
125% of FL	3480	-	1.77
75% of FL	3533	-	1.34
50% of FL	3556	-	1.2
No Load	3571	-	1.13

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)		

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

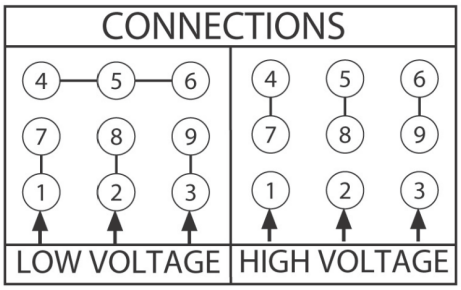


3 Phase - YY/Y - 9 Lead

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

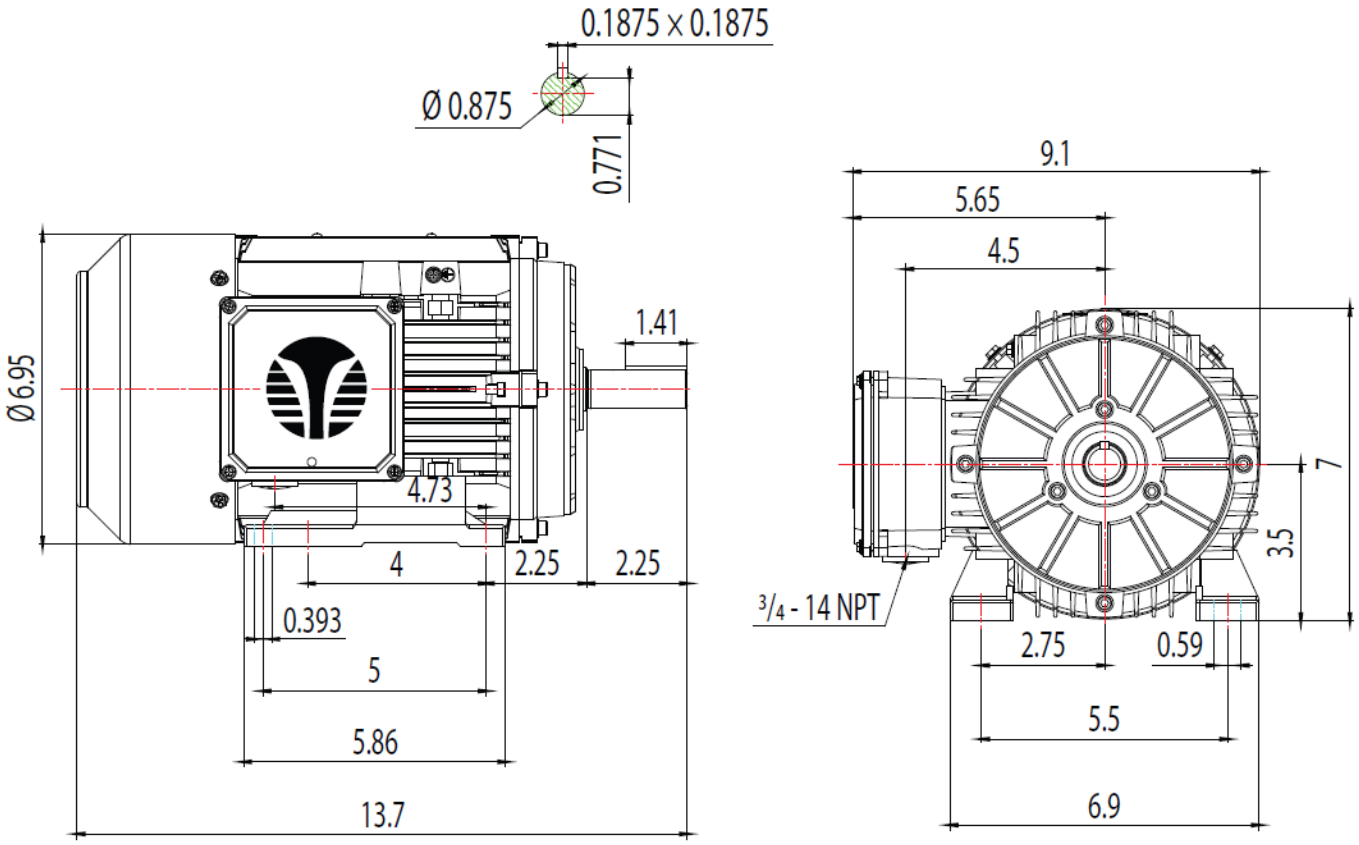
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

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



Model Number	GX3-AL-TF-143T-2-B-D-1-230|460-60
MFG PN	T143T1U2B
List Price	--
Base Frame	GX-143T-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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