TECHTOP electric motors	**Model Number**	**GX3-AL-TF-143TC-2-B-D-1.5-230|460-60**	
	MFG PN	**T143T1.5U2B**	
	List Price	**--**	

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

Electrical Data		**General Data**	
Rated Motor Output Power	1.5 HP	Frame Size	143
Rated Motor Speed	3500 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	25
Rated Motor Current	4.12/2.06 Amps	NEMA Design	BE
Service Factor	1.25	IP Rating	55
KVA Code	L	Insulation Class	F
Nominal Efficiency	84 %	Tropicalization	YES
Nominal Power Factor	0.8 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	2.183296 Ft-Lb	Cable Entry	3/4"-14 NPSC
Temp Rise @ Full Load °C	35	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	328	18.22
Breakdown	-	381	-
Pull Up	-	228	-
125% of FL	3481	-	2.38
75% of FL	3534	-	1.68
50% of FL	3556	-	1.43
No Load		-	1.22

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	6205 ZZ		
Bearing NDE Side	6205 ZZ		
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

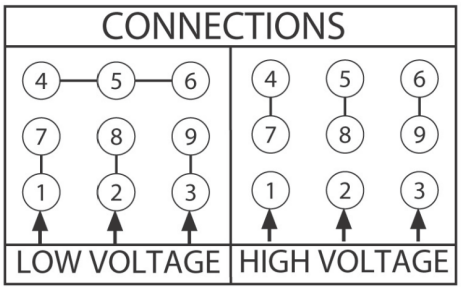
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead Dual Voltage**		

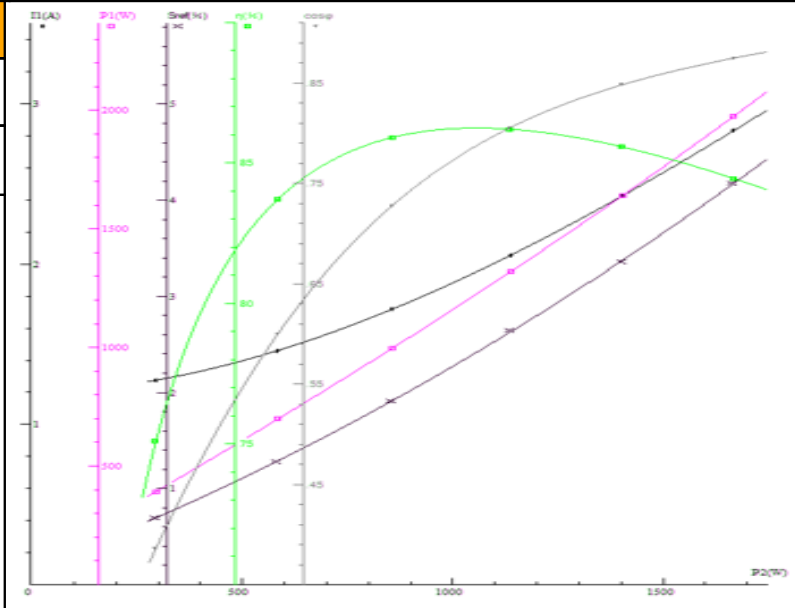
3 Phase - YY/Y - 9 Lead

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

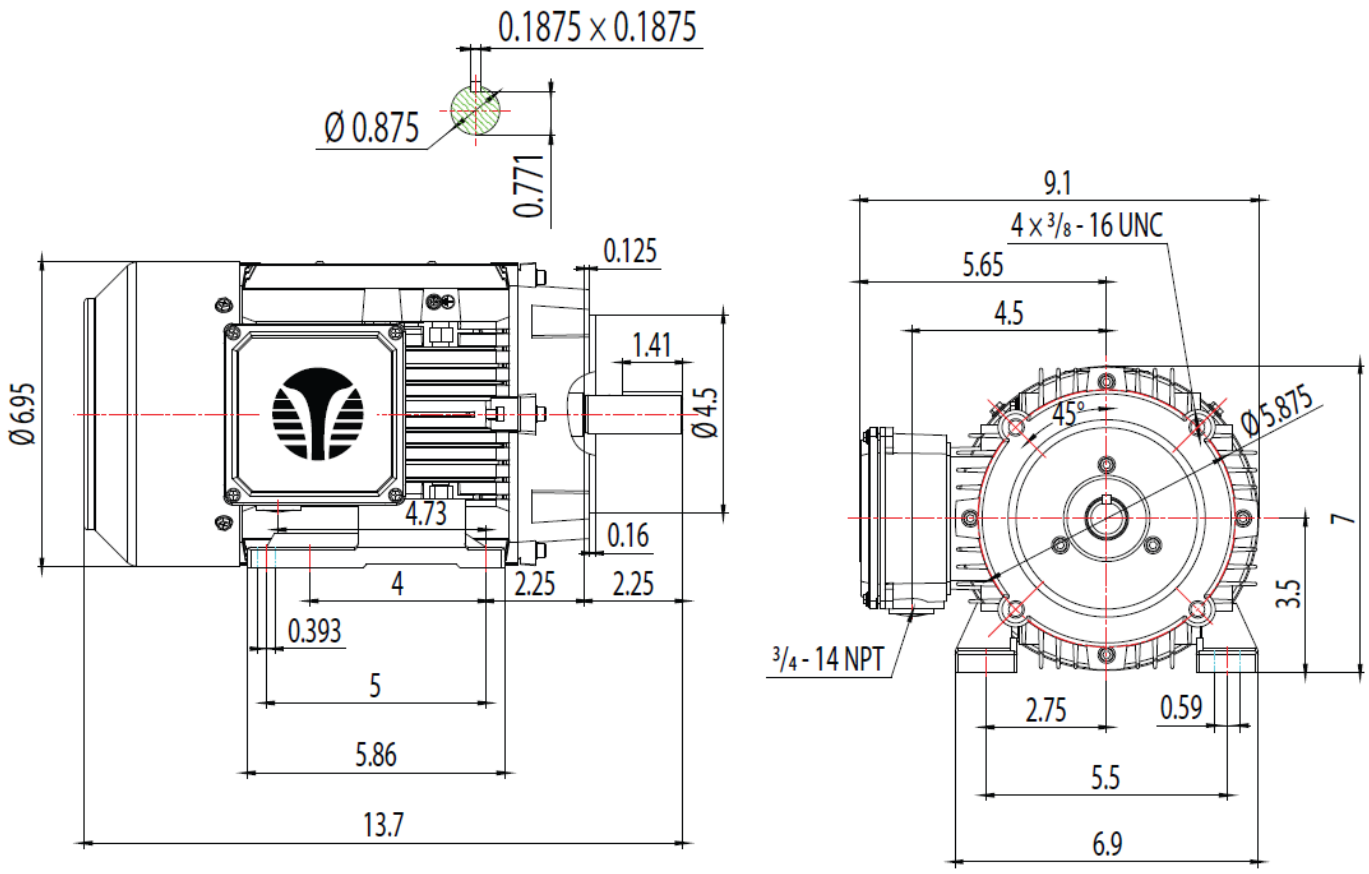
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GX3-AL-TF-143TC-2-B-D-1.5-230|460-60
MFG PN	T143T1.5U2B
List Price	--
Base Frame	GX-143TC-AL-TF

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



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

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