



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	27.5
Rated Motor Current	4.12/2.06 Amps	NEMA Design	A
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	1.25
Temp Rise @ Full Load °C	35	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	328	18.22	Rated Altitude (M)	1000
Breakdown	-	381	-	Coating	7024 - Graphite Grey
Pull Up	-	228	-	Shaft Grounding	Yes
125% of FL	3481	-	2.38	Brake Voltage (DC)	--
75% of FL	3534	-	1.68	Brake Torque (N-M)	--
50% of FL	3556	-	1.43	Mechanical Data	
No Load	--	-	1.22		

Hazardous Location	Class 1, Div 2, Grp A,B,C,D			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
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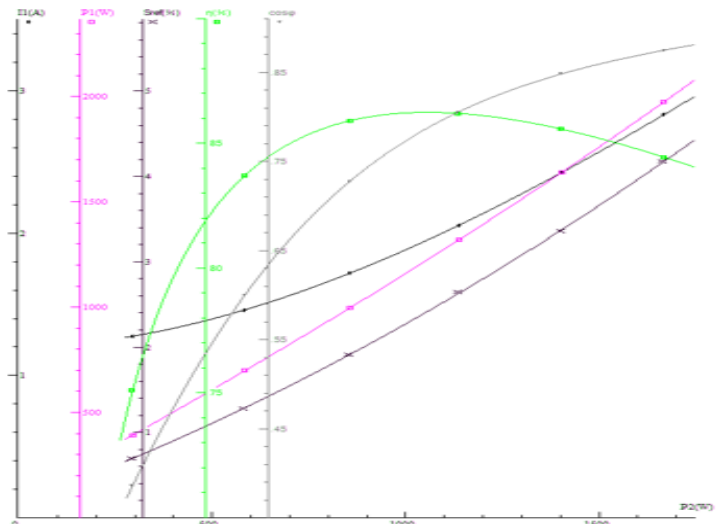
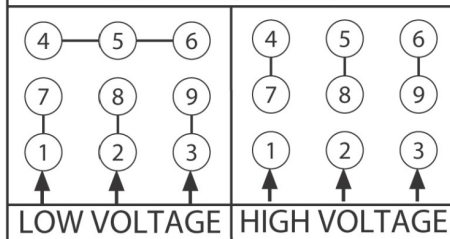
3 Phase - YY/Y - 9 Lead

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

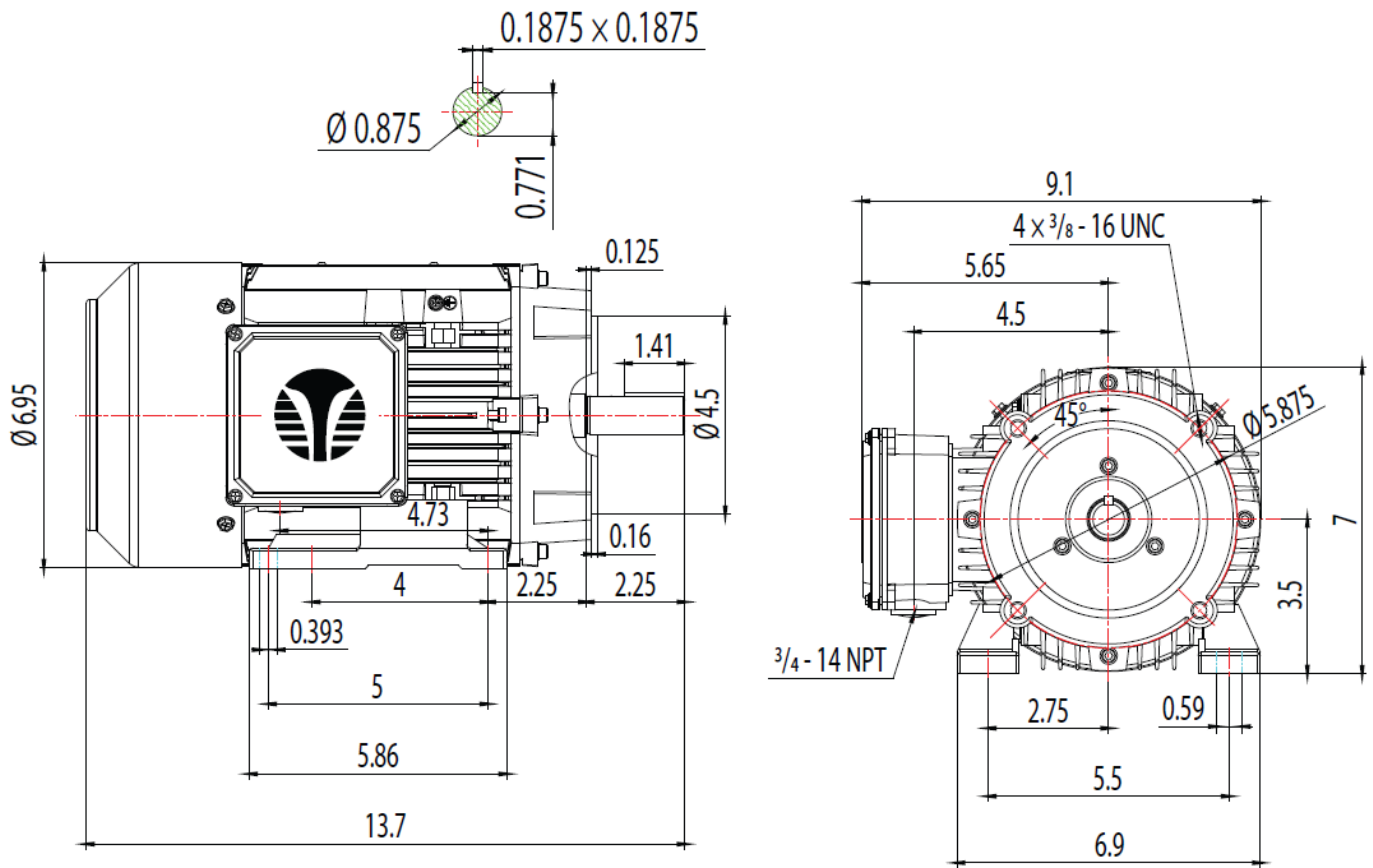


Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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:
GX3-AL-TF-140TC

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

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

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