



Model Number	GX3-AL-TF-143TC-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	1.25
Temp Rise @ Full Load °C	40	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

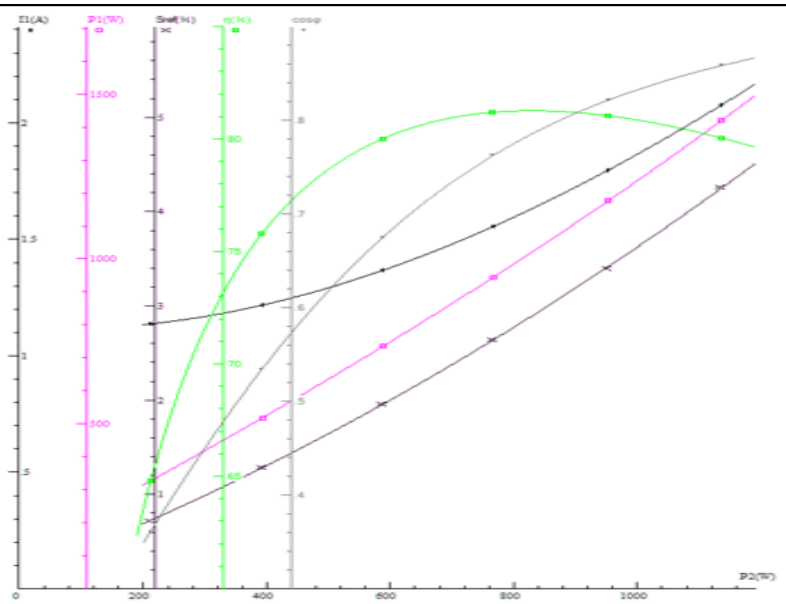
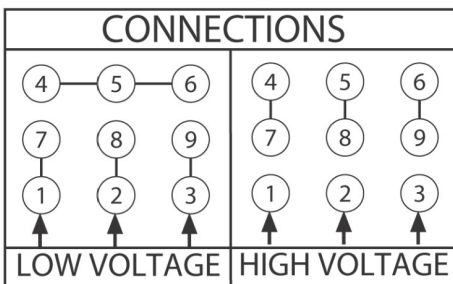
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	
Locked Rotor	-	238	10.48	40	
Breakdown	-	351	-	Rated Altitude (M)	
Pull Up	-	163	-	1000	
125% of FL	3480	-	1.77	Coating	
75% of FL	3533	-	1.34	7024 - Graphite Grey	
50% of FL	3556	-	1.2	Shaft Grounding	
No Load	3571	-	1.13	Yes	
				Brake Voltage (DC)	
				--	
				Brake Torque (N-M)	
				--	

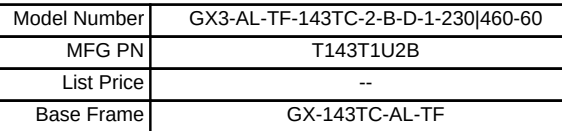
Hazardous Location	Class 1, Div 2, Grp A,B,C,D	Bearing NDE Side	6205ZZ
		Moment of Inertia	-- kg.m2
		Noise Level	Per NEMA dB (A)

CT VFD Range		--	Loaded Torque Curves	
			P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor	

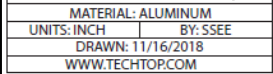
Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A
Wiring Diagram	3PH 9 Lead Dual Voltage		

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





Technical drawings of the 1000 Series 1/2 HP Motor. The left drawing is a side view showing dimensions: total width 13.7, mounting flange diameter 6.95, motor body width 5.86, and various other dimensions. The right drawing is a front view showing dimensions: total width 6.9, mounting flange diameter 6.95, and various other dimensions. The motor is shown with a 1/2 HP rating and a 1000 Series designation.



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

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