



Model Number GR3-CI-TF-213TC-4-B-D-7.5-230|460-60

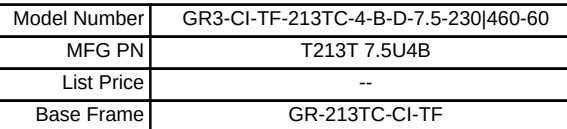
MFG PN T213T 7.5U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data																															
Rated Motor Output Power		7.5 HP		Frame Size	213																														
Rated Motor Speed		1750 r/min		Enclosure	TEFC																														
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ		Approximate Weight	169																														
Rated Motor Current		17.8/8.9 Amps		NEMA Design	BE																														
Service Factor		1.25		IP Rating	55																														
KVA Code		J		Insulation Class	F																														
Nominal Efficiency		91.7 %		Tropicalization	YES																														
Nominal Power Factor		0.86 cosθ		Duty	Cont.																														
Full Load Torque Ft-Lb		22.046864 Ft-Lb		Cable Entry	1.25																														
Temp Rise @ Full Load °C		37.3		Feet Removable	YES																														
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO																														
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40																														
Locked Rotor	-	230	76.01	Rated Altitude (M)	1000																														
Breakdown	-	324	-	Coating	7024 - Graphite Grey																														
Pull Up	-	484	-	Shaft Grounding	NO																														
125% of FL	1752	-	10.89	Brake Voltage (DC)																															
75% of FL	1773	-	6.8	Brake Torque (N-M)																															
50% of FL	1782	-	5.11	Mechanical Data																															
No Load		-	3.22	Bearing DE Side	6308 ZZ																														
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing NDE Side	6308 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 CONNECTIONS <table><tr><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td></tr><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>↑</td><td>↑</td><td>↑</td></tr><tr><td colspan="3">LOW VOLTAGE</td></tr><tr><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td></tr><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>↑</td><td>↑</td><td>↑</td></tr><tr><td colspan="3">HIGH VOLTAGE</td></tr></table>						4	5	6	7	8	9	1	2	3	↑	↑	↑	LOW VOLTAGE			4	5	6	7	8	9	1	2	3	↑	↑	↑	HIGH VOLTAGE		
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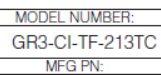
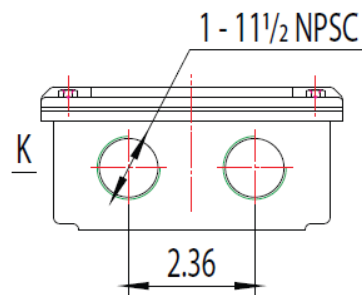
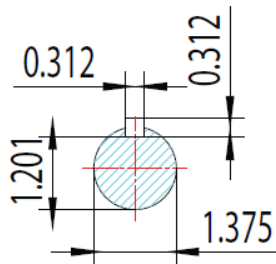
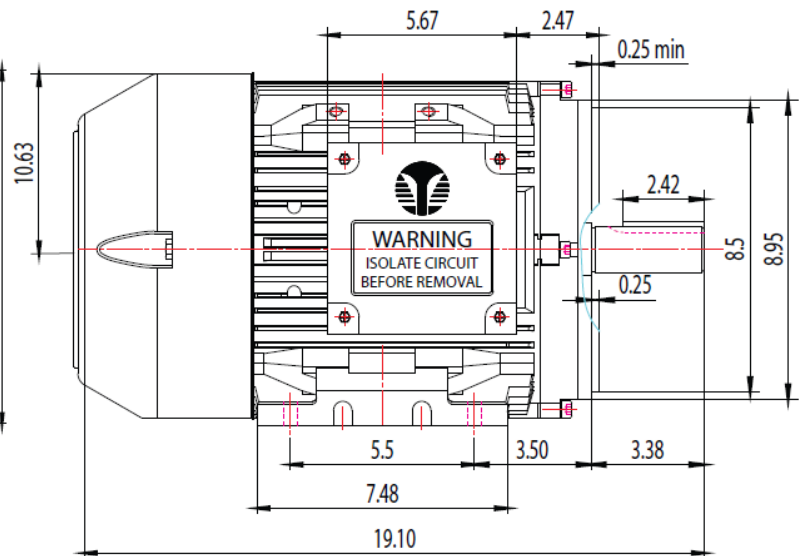
Technical drawing of a circular gear assembly, likely a motor or pump housing, showing dimensions and labels.

Labels:

- NAMEPLATE
- $\frac{1}{2}$ - 13UNC - 2B
- 0.75 DEEP
- K

Dimensions:

- 7.95
- 45
- 5.75
- 7.25
- 10.57
- 5.25
- 0.71
- 4 X 0.41
- 1.81
- 4.25
- 8.5
- 10.27



REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

MATERIAL:	
UNITS: INCH	BY: SSEE
DRAWN: 6/18/2018	
WWW.TECHTOP.COM	

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