



Model Number GR3-CI-TF-213TC-6-B-D-3-230|460-60

MFG PN TFC213T3U6B

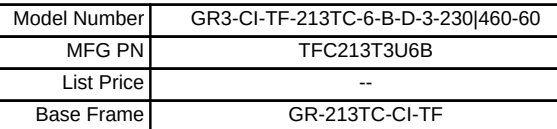
List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power		3 HP		Frame Size	213
Rated Motor Speed		1175 r/min		Enclosure	TEFC
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ		Approximate Weight	158
Rated Motor Current		8.8/4.4 Amps		NEMA Design	BE
Service Factor		1.25		IP Rating	55
KVA Code		K		Insulation Class	F
Nominal Efficiency		89.5 %		Tropicalization	YES
Nominal Power Factor		0.72 cosθ		Duty	Cont.
Full Load Torque Ft-Lb		13.20304 Ft-Lb		Cable Entry	1.25
Temp Rise @ Full Load °C		22.4		Feet Removable	YES
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	228	33.26	Rated Altitude (M)	1000
Breakdown	-	299	-	Coating	7024 - Graphite Grey
Pull Up	-	143	-	Shaft Grounding	NO
125% of FL	1174	-	5	Brake Voltage (DC)	
75% of FL	1185	-	3.54	Brake Torque (N-M)	
50% of FL	1190	-	2.98	Mechanical Data	
No Load		-	2.46	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 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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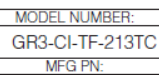
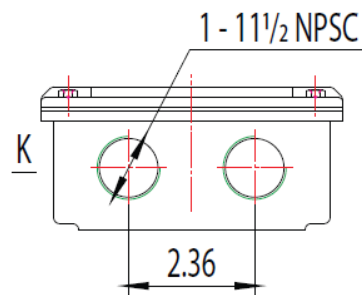
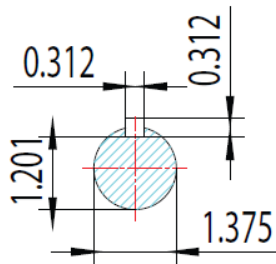
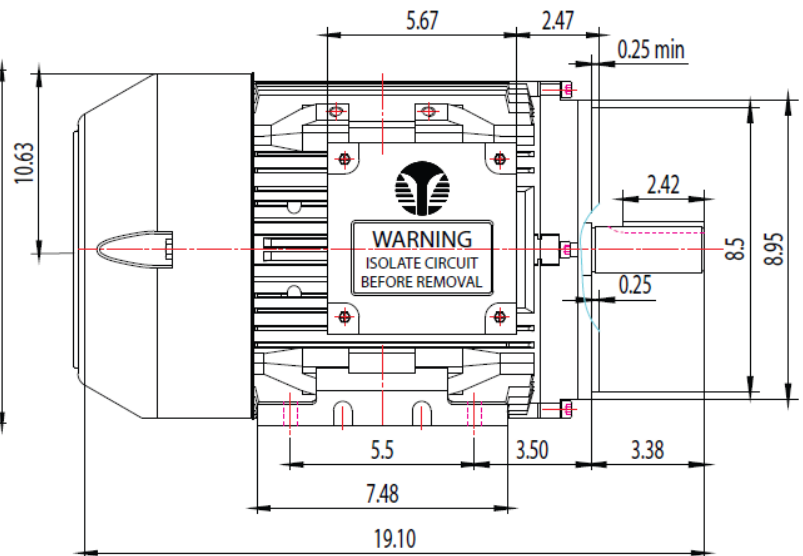
Technical drawing of a circular gear assembly, likely a motor or pump housing, showing dimensions and labels.

Labels:

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

Dimensions:

- Overall width: 5.75
- Overall diameter: 10.57
- Inner diameter: 5.25
- Outer diameter: 10.27
- Distance from center to mounting hole: 7.95
- Distance from center to mounting hole: 7.25
- Distance from center to mounting hole: 7.71
- Distance from center to mounting hole: 4.25
- Distance from center to mounting hole: 1.81
- Distance from center to mounting hole: 8.5
- Distance from center to mounting hole: 4 X 0.41
- Angle: 45°
- Angle: 1.81
- Angle: 4.25
- Angle: 8.5
- Angle: 10.27
- Angle: 5.75
- Angle: 10.57
- Angle: 5.25
- Angle: 7.95
- Angle: 7.25
- Angle: 7.71
- Angle: 4.25
- Angle: 1.81
- Angle: 8.5
- Angle: 4 X 0.41



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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