



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)	
Locked Rotor	-	228	33.26	40	
Breakdown	-	299	-	1000	
Pull Up	-	143	-	7024 - Graphite Grey	
125% of FL	1174	-	5	NO	
75% of FL	1185	-	3.54	Brake Voltage (DC)	
50% of FL	1190	-	2.98	Brake Torque (N-M)	
No Load	-	-	2.46		

Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Mechanical Data	
				Bearing DE Side	6308 ZZ
				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

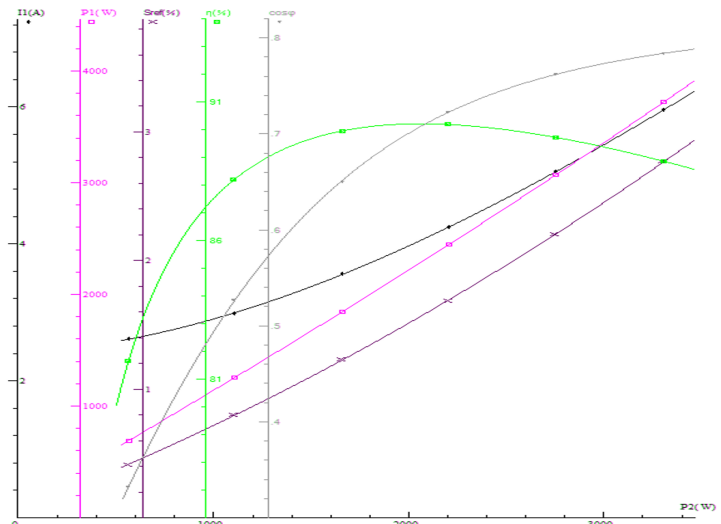
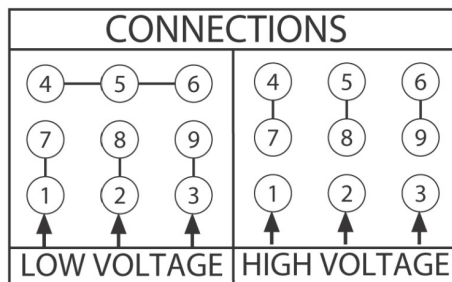
Wiring Diagram	3PH 9 Lead Dual Voltage
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3 Phase - YY/Y - 9 Lead

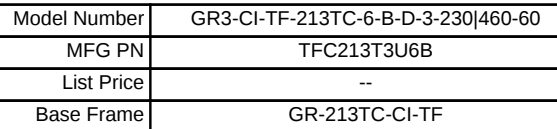
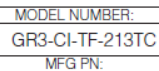
4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD

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



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

[illegible]

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

MATERIAL:	
UNITS: INCH	BY: SSEE
DRAWN: 6/18/2018	
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