



Model Number GR3-CI-TF-256TC-2-BR-D-20-230|460-60

MFG PN TFC256T20U2B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	20 HP	Frame Size	256
Rated Motor Speed	3550 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	293
Rated Motor Current	45.2/22.6 Amps	NEMA Design	BE
Service Factor	1.25	IP Rating	55
KVA Code	J	Insulation Class	F
Nominal Efficiency	91 %	Tropicalization	YES
Nominal Power Factor	0.91 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	29.504 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	52.2	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

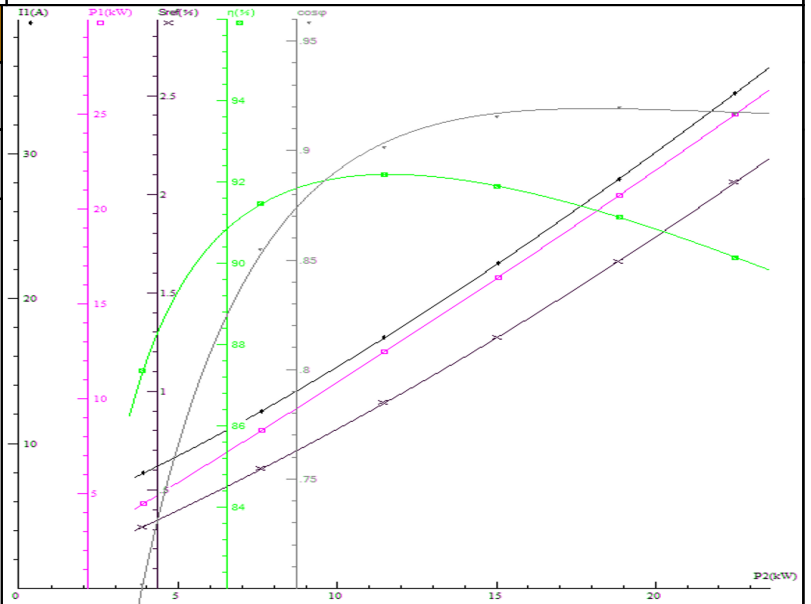
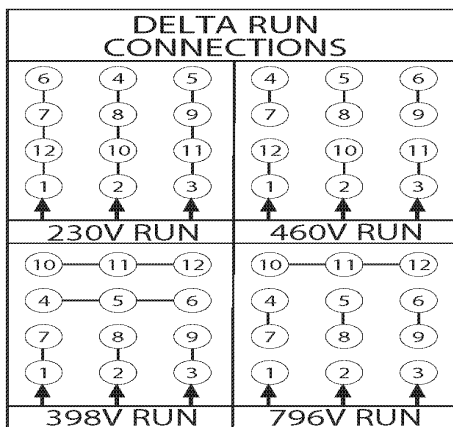
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	250	187.1	Rated Altitude (M)	1000
Breakdown	-	302	-	Coating	7024 - Graphite Grey
Pull Up	-	140	-	Shaft Grounding	NO
125% of FL	3541	-	28	Brake Voltage (DC)	
75% of FL	3567	-	16.98	Brake Torque (N-M)	
50% of FL	3578	-	12.1	Mechanical Data	
No Load	3594	-	5.47		

Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing DE Side	6309 C3
				Bearing NDE Side	6309 C3
				Moment of Inertia	kg.m2
				Noise Level	Per NEMA dB (A)

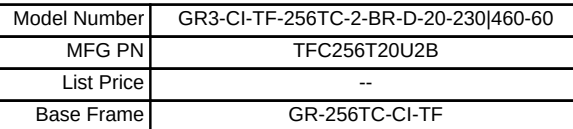
CT VFD Range	--	Loaded Torque Curves	--
P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor			

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A

Wiring Diagram	3PH 12 Lead Dual Voltage
----------------	--------------------------

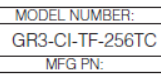
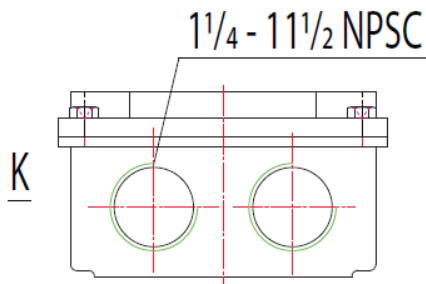
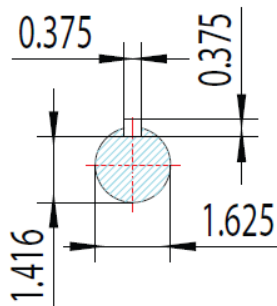
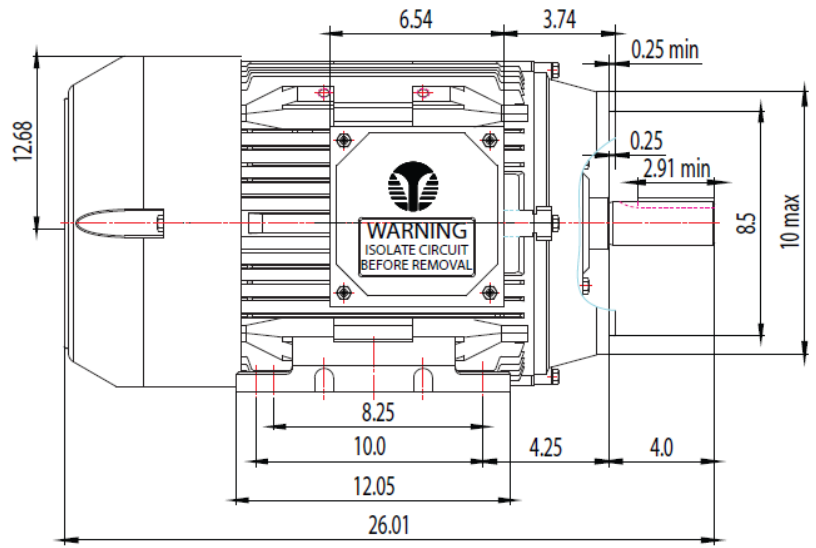


Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



Technical drawing of a circular mechanical component, likely a gear or pulley, showing dimensions and features:

- Overall Dimensions:**
 - Overall Width: 10.1
 - Overall Height: 12.59
 - Overall Diameter: 12.36
- Internal Features and Dimensions:**
 - NAMEPLATE:** Located at the top center, with a diameter of 1.25 and a depth of 1.25. The thread specification is $\frac{1}{2}$ -13UNC-2B.
 - 7.25:** Dimension indicating the radius of the outer circular face.
 - 6.25:** Dimension indicating the radius of the inner circular face.
 - 0.63:** Dimension indicating the thickness of the outer ring.
 - 0.53:** Dimension indicating the thickness of the inner ring.
 - 2.36:** Dimension indicating the width of the central hub.
 - 5.0:** Dimension indicating the radius of the central hub.
 - 10.0:** Dimension indicating the diameter of the central hub.
 - 12.36:** Dimension indicating the overall diameter of the component.
- Other Features:**
 - 45:** Dimension indicating the angle of the outer ring.
 - 6.77:** Dimension indicating the height of the central hub.
 - K:** Dimension indicating the height of the central hub.



REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

MATERIAL:	
UNITS: INCH	BY: SSEE
DRAWN: 6/26/2018	
WWW.TECHTOP.COM	

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