



Model Number GR3-CI-TF-324TS-2-BR-D-40-230|460-60

MFG PN TFC324TS40U2B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

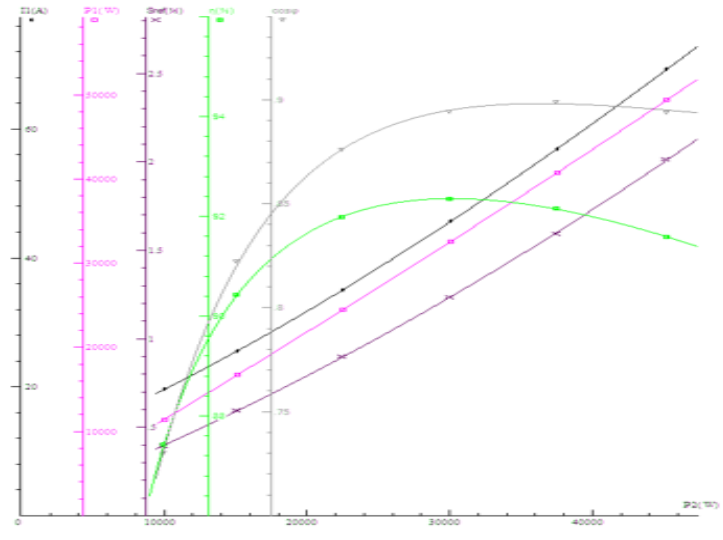
Electrical Data		General Data	
Rated Motor Output Power	40 HP	Frame Size	324
Rated Motor Speed	3555 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	484
Rated Motor Current	91/45.5 Amps	NEMA Design	A
Service Factor	1.25	IP Rating	55
KVA Code	H	Insulation Class	F
Nominal Efficiency	92.4 %	Tropicalization	YES
Nominal Power Factor	0.89 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	59.67184 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	65.8	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Mechanical Data	
Locked Rotor	-	235	344.4	Bearing DE Side	6312 C3
Breakdown	-	289	-	Bearing NDE Side	6312 C3
Pull Up	-	-	-	Moment of Inertia	kg.m2
125% of FL	3542	-	56.87	Noise Level	Per NEMA dB (A)
75% of FL	3568	-	35		
50% of FL	3579	-	25.43		
No Load		-	12.48		

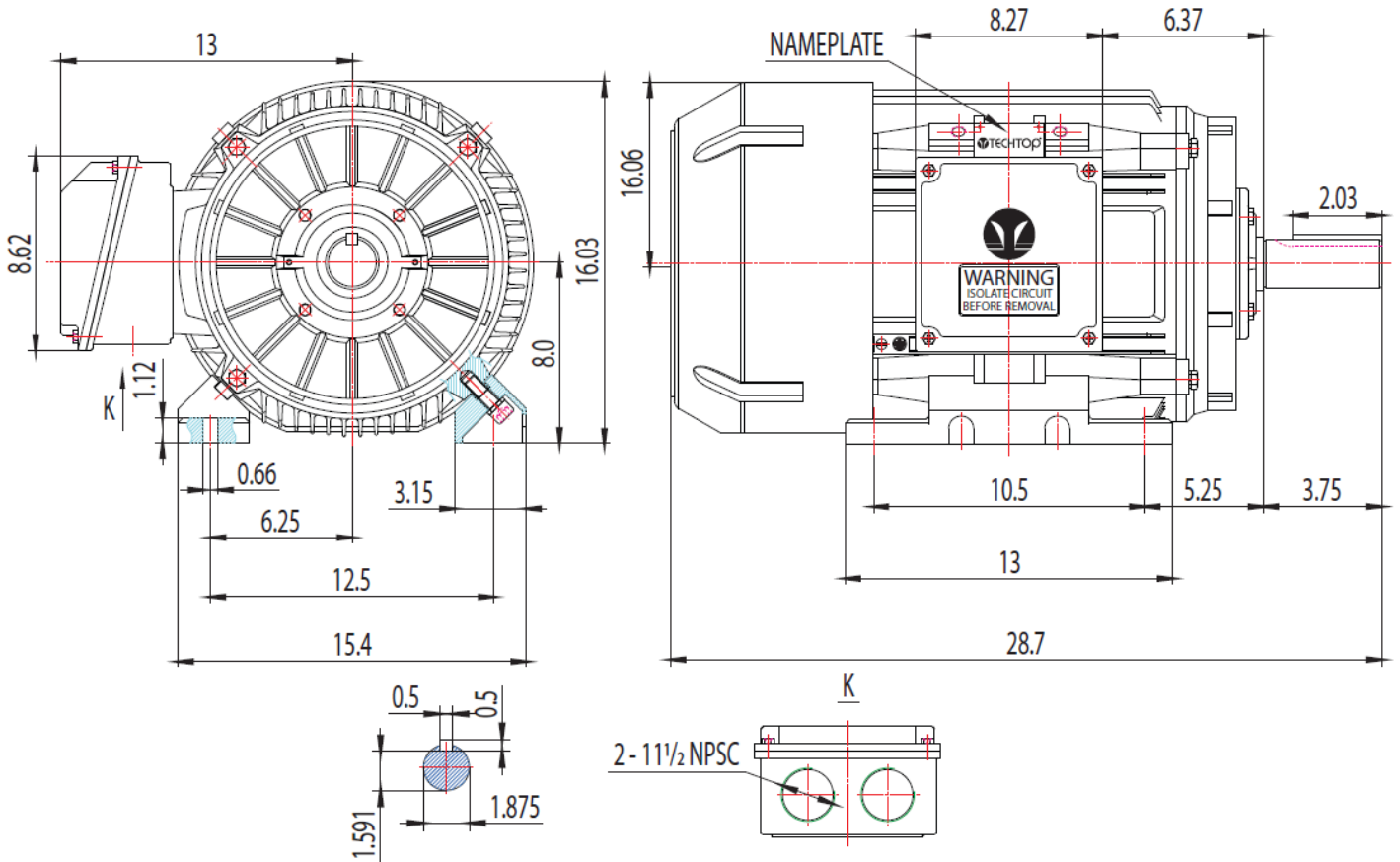
Hazardous Location	Class 1, Div 2, Grp A,B,C,D	
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CT VFD Range	--	Loaded Torque Curves	--
$P_1 = \text{INPUT POWER (KW)}$ , $S = \text{Slip (\% of Sync RPM)}$ , $\eta = \text{Efficiency (\%)}$ , $\cos\phi = \text{Power Factor}$			

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A
Wiring Diagram	3PH 12 Lead Dual Voltage		



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MFG PN	TFC324TS40U2B
List Price	--
Base Frame	GR-324TS-CI-TF



**TECHTOP**  
 MATERIAL: ALUMINUM  
 UNITS: INCH BY: SSEE  
 DRAWN: 10/1/2018  
 WWW.TECHTOP.COM

MODEL NUMBER:	REV.	BY	DATE	CHANGES
GR3-CI-TF-324TS	1			
MFG PN:	2			
	3			
	4			
	5			
	6			
	7			