



Model Number GR3-CI-TF-145T-6-B-D-1-230|460-60

MFG PN TFC145T1U6B

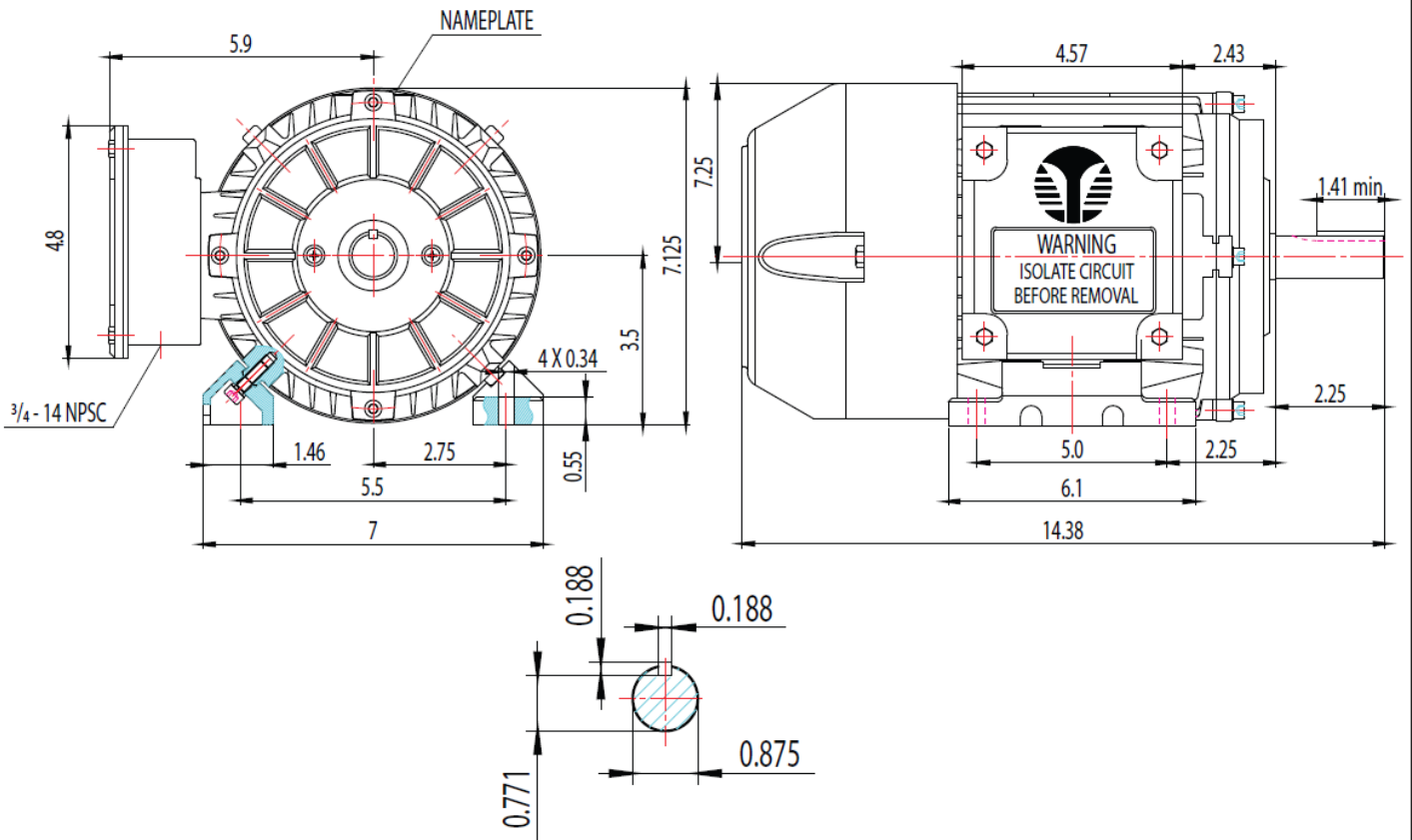
List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data																													
Rated Motor Output Power	1 HP			Frame Size	145																												
Rated Motor Speed	1150 r/min			Enclosure	TEFC																												
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ			Approximate Weight	52.8																												
Rated Motor Current	3.4/1.7 Amps			NEMA Design	B																												
Service Factor	1.25			IP Rating	55																												
KVA Code	H			Insulation Class	F																												
Nominal Efficiency	82.5 %			Tropicalization	YES																												
Nominal Power Factor	0.68 cosθ			Duty	Cont.																												
Full Load Torque Ft-Lb	4.602624 Ft-Lb			Cable Entry	1.25																												
Temp Rise @ Full Load °C	41.5			Feet Removable	YES																												
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO																												
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40																												
Locked Rotor	-	213	8.12	Rated Altitude (M)	1000																												
Breakdown	-	248	-	Coating	7024 - Graphite Grey																												
Pull Up	-	190	-	Shaft Grounding	NO																												
125% of FL	1135	-	1.95	Brake Voltage (DC)																													
75% of FL	1167	-	1.38	Brake Torque (N-M)																													
50% of FL	1179	-	1.19	Mechanical Data																													
No Load	1185	-	1	Bearing DE Side	6205 ZZ																												
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing NDE Side	6205 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																																
<p>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</p> <table border="1"> <thead> <tr> <th colspan="6">CONNECTIONS</th> </tr> </thead> <tbody> <tr> <td>4</td><td>5</td><td>6</td><td>4</td><td>5</td><td>6</td> </tr> <tr> <td>7</td><td>8</td><td>9</td><td>7</td><td>8</td><td>9</td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>1</td><td>2</td><td>3</td> </tr> <tr> <td colspan="3">LOW VOLTAGE</td> <td colspan="3">HIGH VOLTAGE</td> </tr> </tbody> </table>						CONNECTIONS						4	5	6	4	5	6	7	8	9	7	8	9	1	2	3	1	2	3	LOW VOLTAGE			HIGH VOLTAGE
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MFG PN	TFC145T1U6B
List Price	--
Base Frame	GR-145T-CI-TF



TECHTOP
 MATERIAL: ALUMINUM
 UNITS: INCH BY: SSEE
 DRAWN: 6/15/2018
 WWW.TECHTOP.COM

MODEL NUMBER:
 GR3-CI-TF-145T
 MFG PN:

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES