



Model Number GR3-CI-TF-145TC-4-B-D-1.5-230|460-60

MFG PN TFC145T1.5U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	1.5 HP	Frame Size	145
Rated Motor Speed	1740 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	58
Rated Motor Current	4.4/2.2 Amps	NEMA Design	BE
Service Factor	1.25	IP Rating	55
KVA Code	L	Insulation Class	F
Nominal Efficiency	86.5 %	Tropicalization	YES
Nominal Power Factor	0.75 cos θ	Duty	Cont.
Full Load Torque Ft-Lb	4.4256 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	36.8	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	311	16.74	Rated Altitude (M)	1000
Breakdown	-	351	-	Coating	7024 - Graphite Grey
Pull Up	-	216	-	Shaft Grounding	NO
125% of FL	1732	-	2.5	Brake Voltage (DC)	
75% of FL	1762	-	1.75	Brake Torque (N-M)	
50% of FL	1775	-	1.47	Mechanical Data	
No Load	1796	-	1.19		

Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing DE Side	6205 ZZ
				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 (%), cos ϕ = Power Factor			

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A
Wiring Diagram	3PH 9 Lead Dual Voltage		

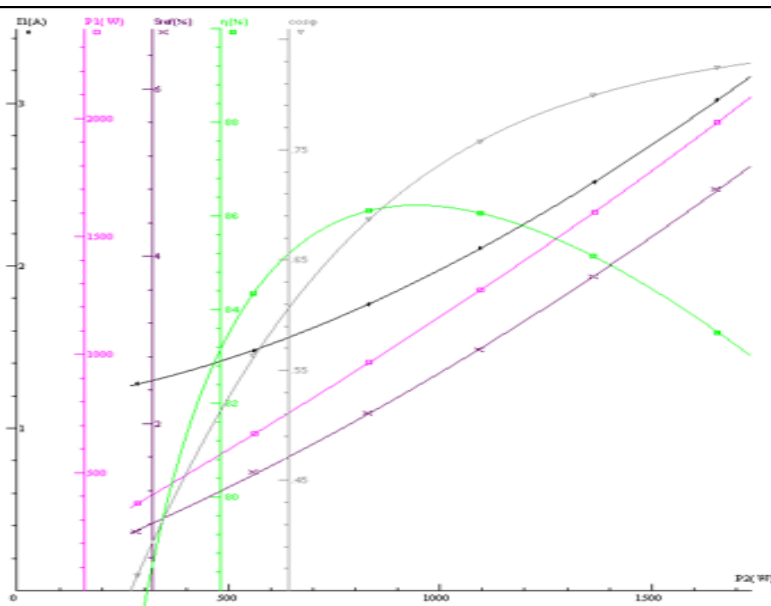
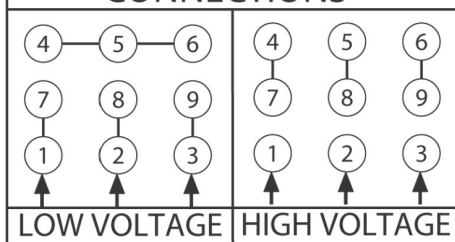
3 Phase - YY/Y - 9 Lead

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

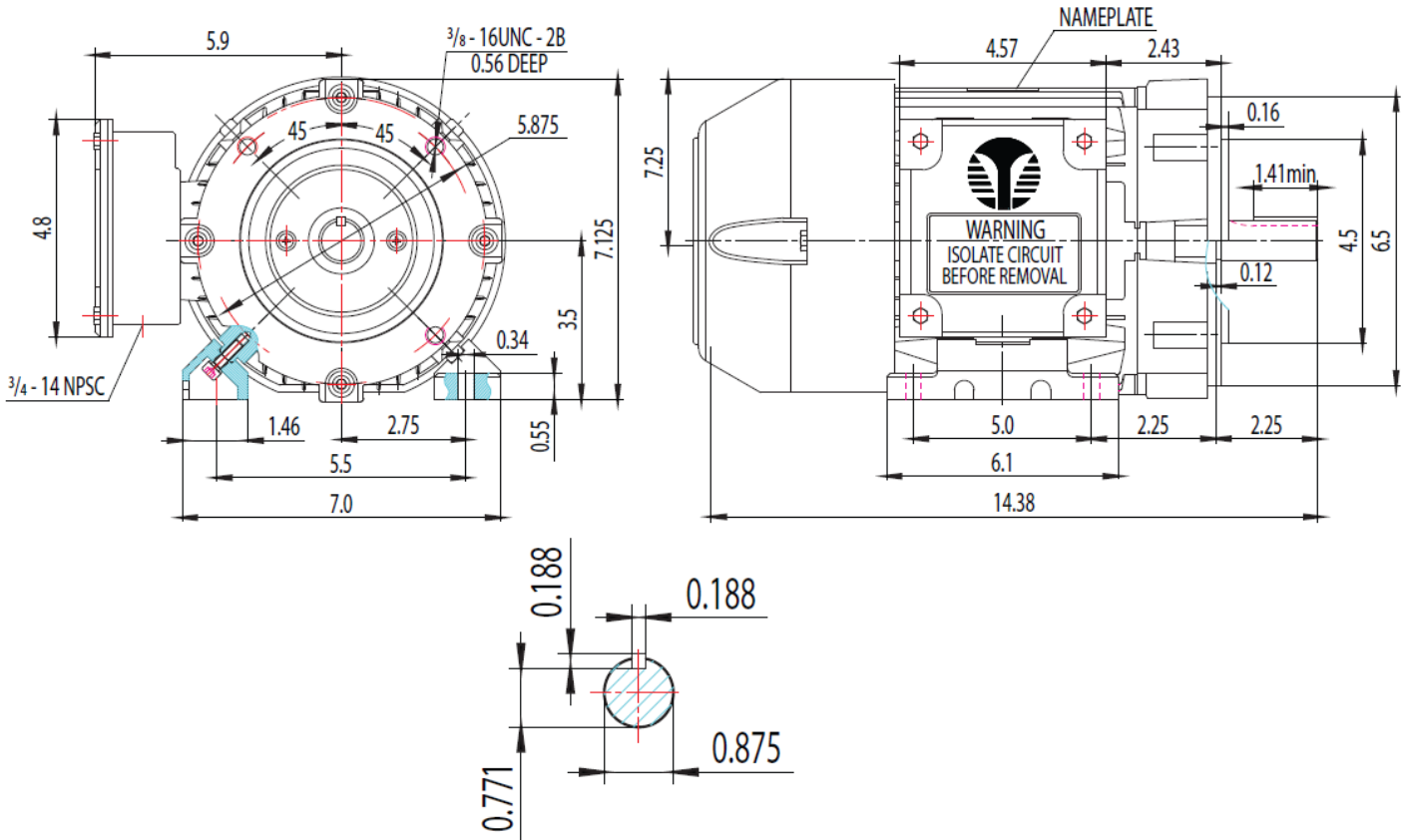
CONNECTIONS





Model Number	GR3-CI-TF-145TC-4-B-D-1.5-230 460-60
MFG PN	TFC145T1.5U4B
List Price	--
Base Frame	GR-145TC-CI-TF

FRAME: 145TC HP: RPM: PHASE: 3 VOLT: 208 - 230/460V ENCL: TEFC FREQ: 60 Hz FLA: LRA:



MODEL NUMBER:
GR3-CI-TF-145TC

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

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

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