



**Model Number** GR3-CI-TF-143TC-4-B-D-1-230|460-60

**MFG PN** TFC143T1U4B

**List Price** --

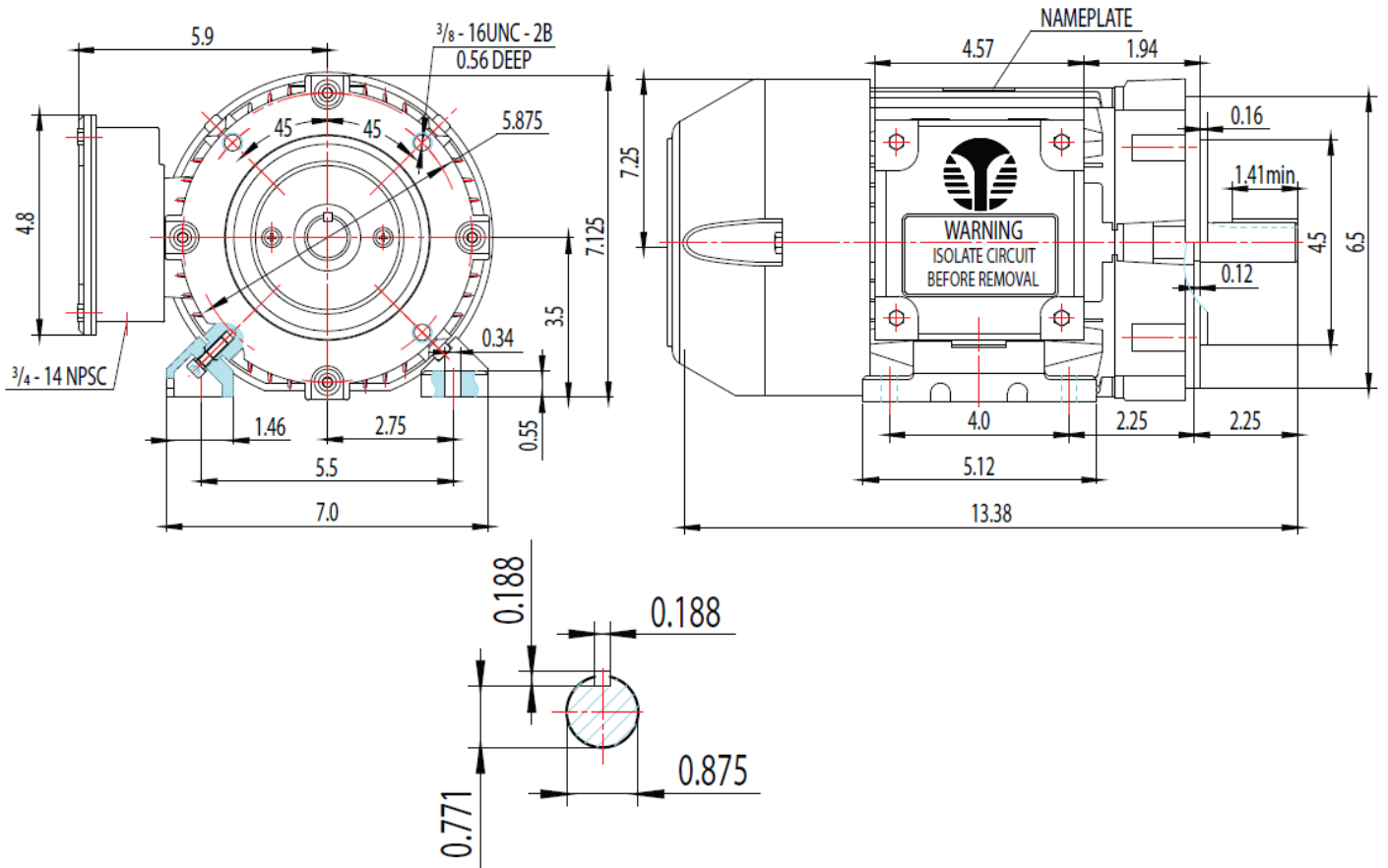
All data shown at HIGH voltage setting


Format | STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power	1 HP			Frame Size	143
Rated Motor Speed	1740 r/min			Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ			Approximate Weight	49.3075
Rated Motor Current	3/1.5 Amps			NEMA Design	B
Service Factor	1.25			IP Rating	55
KVA Code	J			Insulation Class	F
Nominal Efficiency	85.5 %			Tropicalization	YES
Nominal Power Factor	0.75 cosθ			Duty	Cont.
Full Load Torque Ft-Lb	3.031536 Ft-Lb			Cable Entry	1.25
Temp Rise @ Full Load °C	36			Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	224	9.54	Rated Altitude (M)	1000
Breakdown	-	270	-	Coating	7024 - Graphite Grey
Pull Up	-	171	-	Shaft Grounding	NO
125% of FL	1722	-	1.82	Brake Voltage (DC)	
75% of FL	1759	-	1.22	Brake Torque (N-M)	
50% of FL	1774	-	1	Mechanical Data	
No Load	1197	-	0.83	Bearing DE Side	6205ZZ
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing NDE Side	6205ZZ
				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				
<b>3 Phase - YY/Y - 9 Lead</b> 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					
<b>CONNECTIONS</b> 					

Model Number	GR3-CI-TF-143TC-4-B-D-1-230 460-60
MFG PN	TFC143T1U4B
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Base Frame	GR-143TC-CI-TF

FRAME: 143TC | HP: | RPM: | PHASE: 3 | VOLT: 208 - 230/460V | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA:



	MODEL NUMBER:	REV:	BY:	DATE:	CHANGES:
	GR3-CI-TF-143TC	1			
	MFG PN:	2			
		3			
		4			
		5			
		6			
MATERIAL:		7			
UNITS: INCH	BY: SSEE				
DRAWN: 6/15/2018					
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