TECHTOP electric motors	**Model Number**	**GR3-CI-TF-143T-4-B-D-1-230|460-60**
	MFG PN	**T143T1U4B**
	List Price	**--**

All data shown at HIGH voltage setting — Format: STD 3 Phase

Electrical Data	
Rated Motor Output Power	1 HP
Rated Motor Speed	1740 r/min
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ
Rated Motor Current	3/1.5 Amps
Service Factor	1.25
KVA Code	J
Nominal Efficiency	85.5 %
Nominal Power Factor	0.75 cosθ
Full Load Torque Ft-Lb	3.031536 Ft-Lb
Temp Rise @ Full Load °C	36
Efficiency Level	IE3 - NEMA Premium

Load Data	RPM	Trq %FL	Current Amps
Locked Rotor	-	224	9.54
Breakdown	-	270	-
Pull Up	-	171	-
125% of FL	1722	-	1.82
75% of FL	1759	-	1.22
50% of FL	1774	-	1
No Load	1197	-	0.83

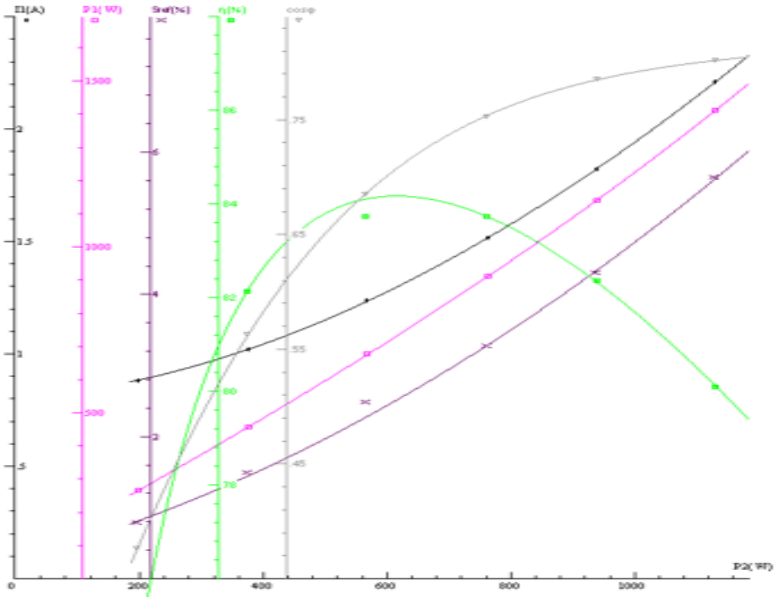
Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**
CT VFD Range	--

General Data	
Frame Size	143
Enclosure	TEFC
Approximate Weight	49.3075
NEMA Design	BE
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	3/4"-14 NPSC
Feet Removable	YES
Double Drilled	NO
Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	NO
Brake Voltage (DC)	--
Brake Torque (N-M)	--

Mechanical Data	
Bearing DE Side	6205ZZ
Bearing NDE Side	6205ZZ
Moment of Inertia	0.00277 kg.m2
Noise Level	Per NEMA dB (A)

Loaded Torque Curves --

P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor



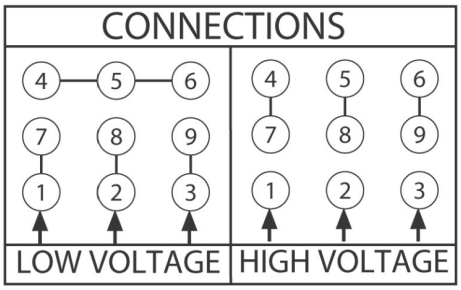
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead Dual Voltage**		

3 Phase - YY/Y - 9 Lead

4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD

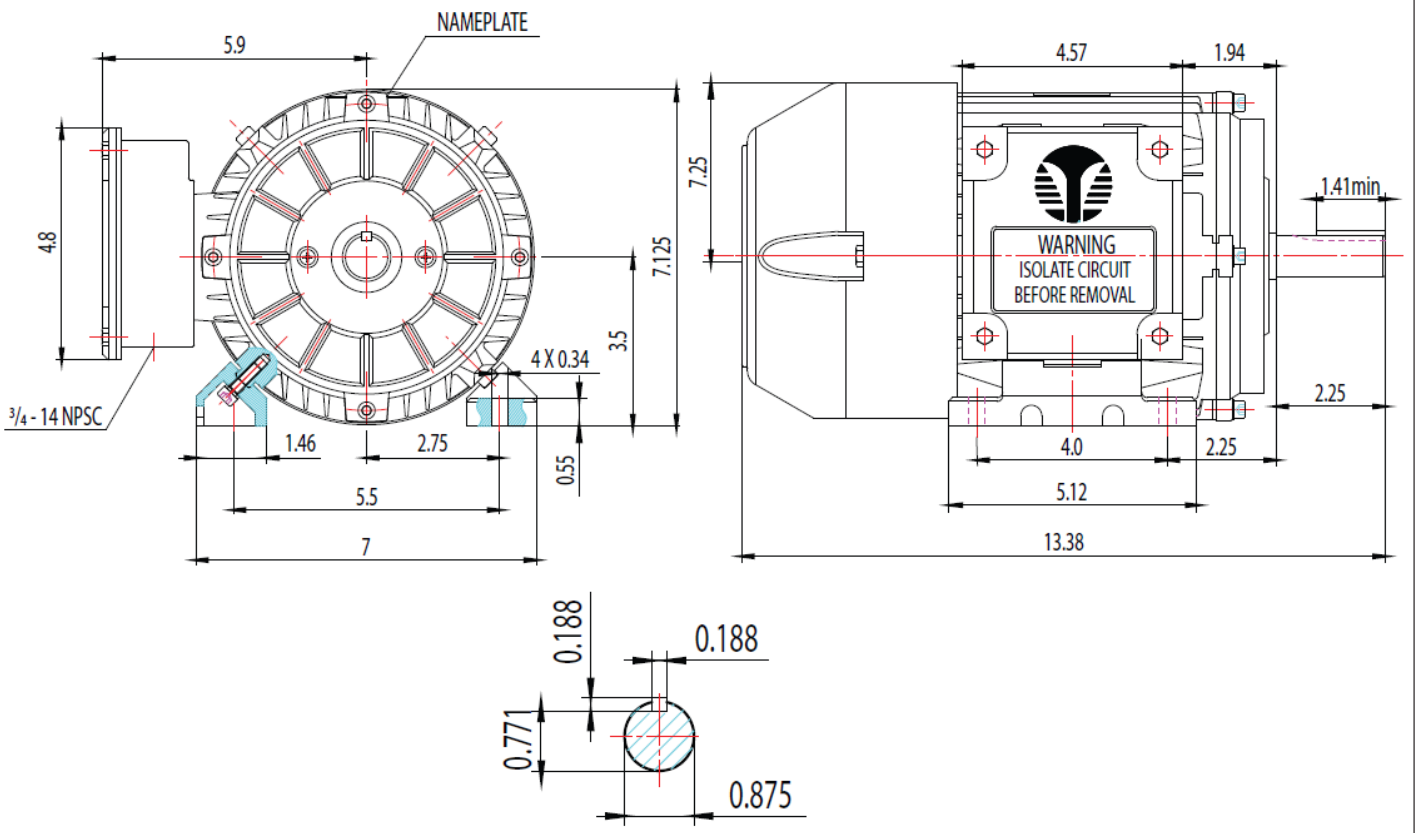
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom



Model Number	GR3-CI-TF-143T-4-B-D-1-230|460-60
MFG PN	T143T1U4B
List Price	--
Base Frame	GR-143T-CI-TF

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



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

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