



Model Number:	GR3-CI-TF-143T-2-B-D-1
MFG PN:	422
List Price:	

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

Electrical Data				General Data		
Rated Motor Output Power	1.0	HP		Frame Size	143T	
Rated Motor Speed	3450	r/min 60Hz		Enclosure	TEFC	
	2850	r/min 50Hz		Mounting	Rigid	
Rated Motor Voltage (3 Phase)	230/460	V/60Hz		NEMA Design	A	
	190/380	V/50Hz		IP Rating	55	
Rated Motor Current	3.04/1.52	A (In) @ 60Hz		Insulation Class	F	
	4.0/2.0	A (In) @ 50Hz		Tropicalization	1	
FL Current @ 208V	None	A (In) @ 60Hz		Duty	Cont. / S1	
Service Factor	1.25	@ 60Hz		Cable Entry	1-NPT 3/4"	
	1.25	@ 50Hz		Feet Removable	1	
KVA Code	L	60Hz		Double Drilled	0	
	J	50Hz		Frame Material	Cast Iron	
Nominal Efficiency	77.0	% @ 60Hz		Shaft Material	None	
	75.5	% @ 50Hz		Coating	RAL	7024
Nominal Power Factor	0.7	cosθ @ 60Hz				
Full Load Torque Ft-Lb	S			Mechanical Data		
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6205ZZ	
Locked Rotor				Bearing NDE Side	6205ZZ	
Breakdown	103.9862322	472.0	-	Comp Ring (wavy washer)	NDE	
Pull Up	17.18416549	78.0	-	Weight	41.2335	Lbs
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3
125% of FL	3510.1	91.59	20.26	Site Conditions		
75% of FL	3548.7	93.8	12.42	Temp Rise @ Full Load °C	B	@ 60Hz
50% of FL	3566.3	92.22	8.99	Ambient Temperature °C	40	
No Load	1199.0	0	4.59	Altitude Above Sea Level (M)	1000	
Brake Torque (N-M)	100.0		Loaded Torque Curves		None	
Brake Coil Voltage	None		P1 = Output Power (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor			

CT VFD Range	
Haz Loc Rating	
Options:	
UL File Number	
CSA File Number	
DOE File Number	
CE APPROVAL	
Wiring Diagram	NEMA-3-9-YY-Y
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	
LOW VOLTAGE	HIGH VOLTAGE

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

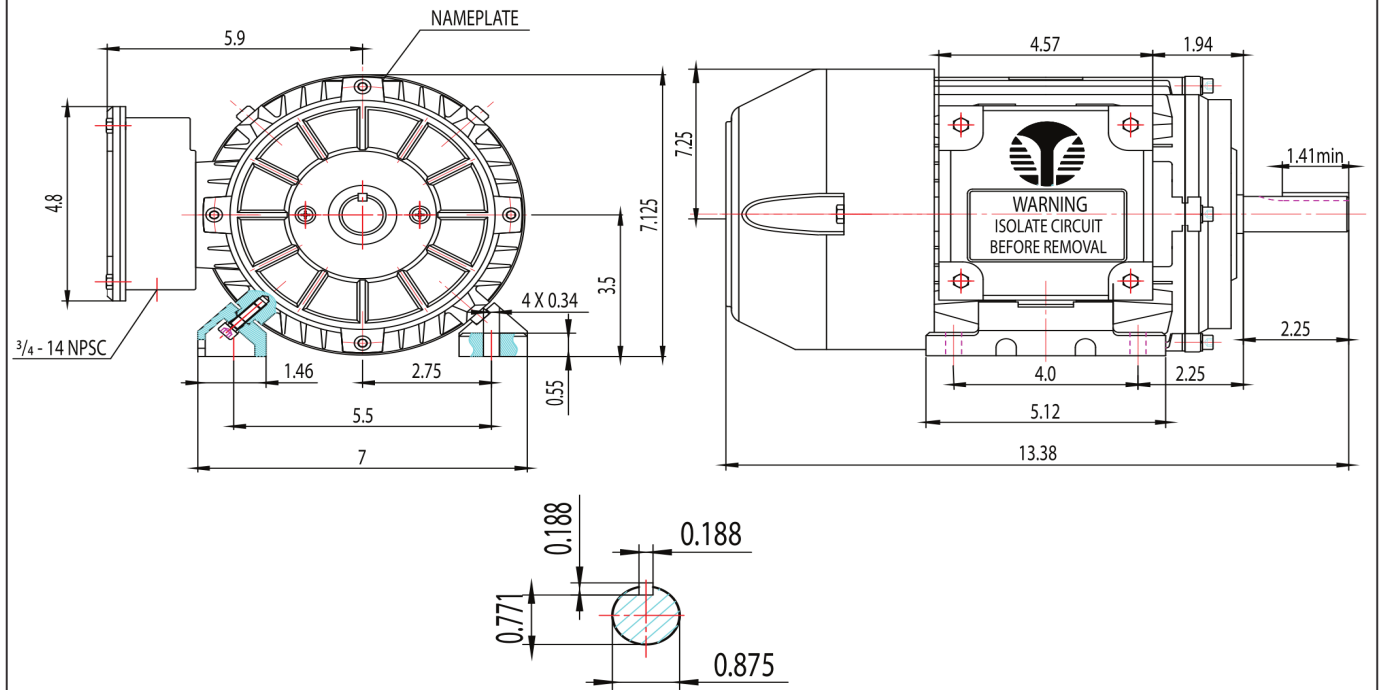


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Dimensional Drawing (For Reference Only)

GR3-CI-TF-143T-CFC-2D

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



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

Components

Item	Model	Description	List Price
C-Face Kit			

D-Flange Kit			
DE Endplate Kit			
NDE Endplate Kit			
Junction Box			
Cooling Fan Cover			
Cooling Fan			
Replacement Feet			
DE Bearing Retainer Kit			
NDE Bearing Retainer Kit			

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