



Model Number: GR3-CI-TF-324T-4-BR-D-40

MFG PN: 3626

List Price:

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data			
Rated Motor Output Power	40.0	HP		Frame Size	324T		
Rated Motor Speed	1770	r/min 60Hz		Enclosure	TEFC		
	1460	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	97.07/48.54	A (ln) @ 60Hz		Insulation Class	F		
	110/55	A (ln) @ 50Hz		Tropicalization	1		
FL Current @ 208V	None	A (ln) @ 60Hz		Duty	Cont. / S1		
Service Factor	1.25	@ 60Hz		Cable Entry	1-NPT 2"		
	1.25	@ 50Hz		Feet Removable	1		
KVA Code	L	60Hz		Double Drilled	0		
	F	50Hz		Frame Material	Cast Iron		
Nominal Efficiency	94.1	% @ 60Hz		Shaft Material	None		
	91.5	% @ 50Hz		Coating	RAL	7024	
Nominal Power Factor	0.86	cosθ @ 60Hz					
Full Load Torque Ft-Lb	S			Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6312C3		
Locked Rotor				Bearing NDE Side	6312C3		
Breakdown	400.7838963	295.0	-	Comp Ring (wavey washer)	DE		
Pull Up	249.9804641	184.0	-	Weight	539.1225	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	1773.8	92.81	66.72	Site Conditions			
75% of FL	1785.3	93.77	42.04	Temp Rise @ Full Load °C	B	@ 60Hz	
50% of FL	1790.4	93.22	31.86	Ambient Temperature °C	40		
No Load	1199.0	0	20.61	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-3-12-DD-D

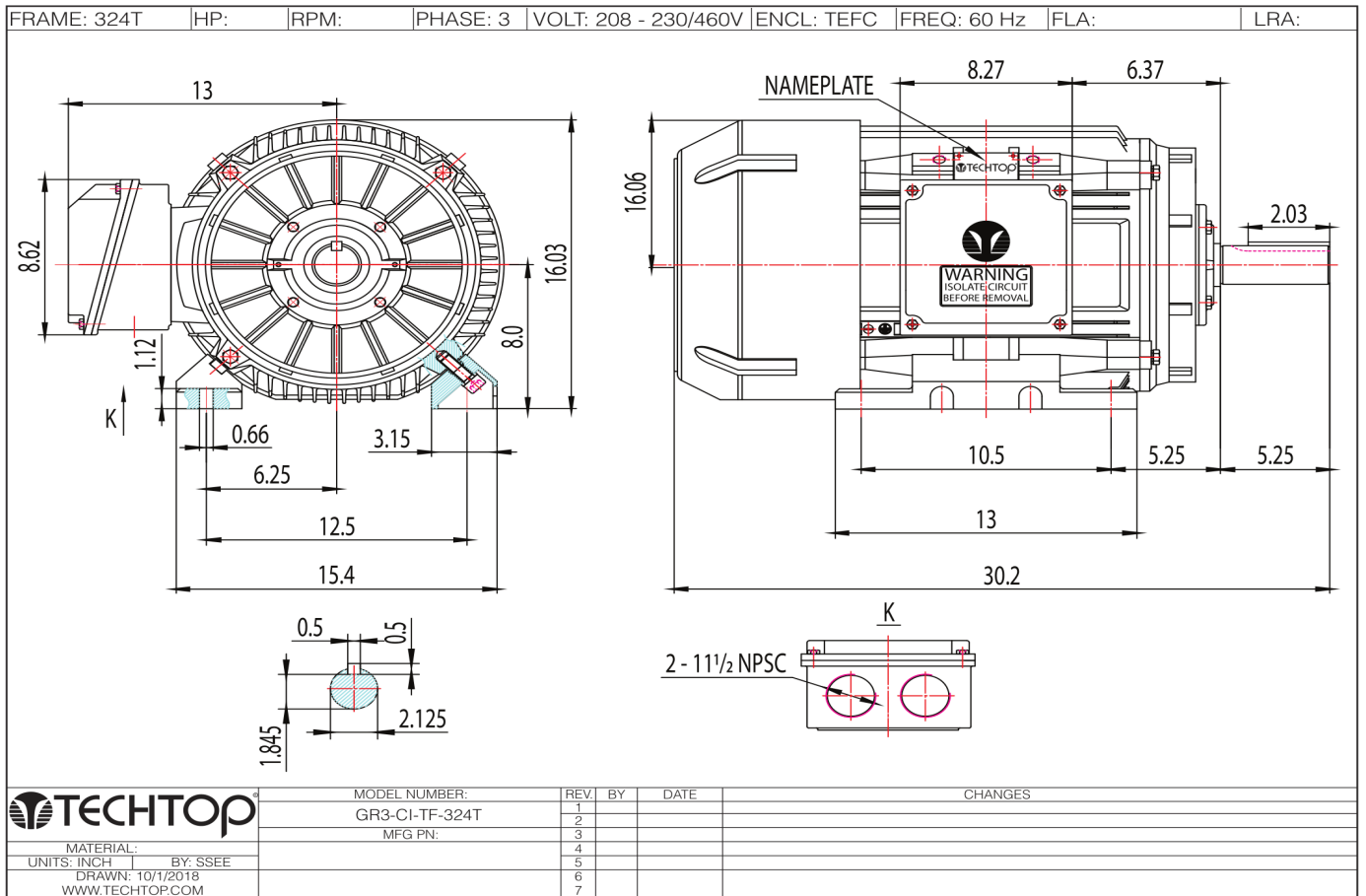
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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Dimensional Drawing (For Reference Only)

GR3-CI-TF-324T-CFC-2D



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			

