



Model Number:	GR3-CI-OP-445T-4-BR-E-150
MFG PN:	12045
List Price:	

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data			
Rated Motor Output Power	150.0	HP		Frame Size	445T		
Rated Motor Speed	1780	r/min 60Hz		Enclosure	ODP		
	1480	r/min 50Hz		Mounting	Rigid		
Rated Motor Voltage (3 Phase)	460	V/60Hz		NEMA Design	None		
	380	V/50Hz		IP Rating	23		
Rated Motor Current	167.5	A (In) @ 60Hz		Insulation Class	F		
	13.7/6.85	A (In) @ 50Hz		Tropicalization	1		
FL Current @ 208V	None	A (In) @ 60Hz		Duty	Cont. / S1		
Service Factor	1.15	@ 60Hz		Cable Entry	None		
	1.15	@ 50Hz		Feet Removable	0		
KVA Code	F	60Hz		Double Drilled	0		
	D	50Hz		Frame Material	Cast Iron		
Nominal Efficiency	95.8	% @ 60Hz		Shaft Material	None		
	90.5	% @ 50Hz		Coating	RAL	7024	
Nominal Power Factor	0.88	cosθ @ 60Hz					
Full Load Torque Ft-Lb	S			Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6319C3		
Locked Rotor				Bearing NDE Side	6316C3		
Breakdown	1322.9652	362.0	-	Comp Ring (wavey washer)	NDE		
Pull Up	526.2624	144.0	-	Weight	2002.0	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	1781.2	94.828	174.02	Site Conditions			
75% of FL	1789.8	95.4	103.68	Temp Rise @ Full Load °C	None	@ 60Hz	
50% of FL	1793.4	94.88	73.63	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-3-6-D

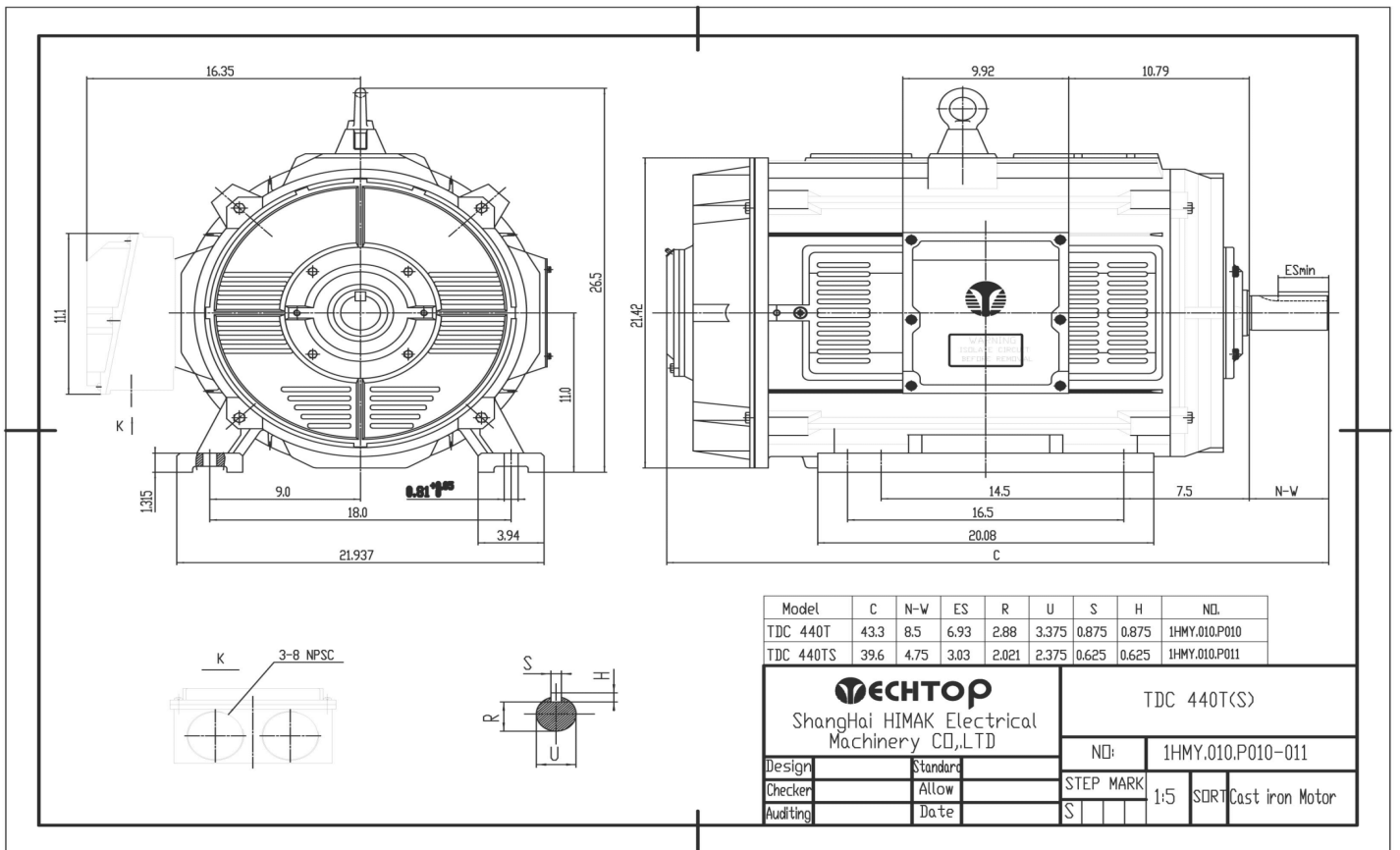
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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Dimensional Drawing (For Reference Only)

GR3-CI-OP-444(5)T-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			

