



Model Number:	GR3-CI-TF-449T-6-RR-E-200
MFG PN:	21594
List Price:	

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data			
Rated Motor Output Power	200.0	HP		Frame Size	449T		
Rated Motor Speed	1180	r/min 60Hz		Enclosure	TEFC		
	980	r/min 50Hz		Mounting	Rigid		
Rated Motor Voltage (3 Phase)	460	V/60Hz		NEMA Design	A		
	380	V/50Hz		IP Rating	55		
Rated Motor Current	224.6806142	A (In) @ 60Hz		Insulation Class	F		
	277	A (In) @ 50Hz		Tropicalization	1		
FL Current @ 208V	None	A (In) @ 60Hz		Duty	Cont. / S1		
Service Factor	1.15	@ 60Hz		Cable Entry	2-NPT 3"		
	1.15	@ 50Hz		Feet Removable	0		
KVA Code	H	60Hz		Double Drilled	1		
	E	50Hz		Frame Material	Cast Iron		
Nominal Efficiency	95.8	% @ 60Hz		Shaft Material	None		
	94.0	% @ 50Hz		Coating	RAL	7024	
Nominal Power Factor	0.87	cos ϕ @ 60Hz					
Full Load Torque Ft-Lb	S			Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	NU319		
Locked Rotor				Bearing NDE Side	6319C3		
Breakdown	3030.259339	296.0	-	Comp Ring (wavey washer)	NDE		
Pull Up	655.3216912	111.0	-	Weight	2244.69	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	1187.5	94.66	304.38	Site Conditions			
75% of FL	1192.3	95.26	203.98	Temp Rise @ Full Load °C	B	@ 60Hz	
50% of FL	1195.1	94.92	150.24	Ambient Temperature °C	40		
No Load	1199.0	0	86.89	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 (%), cos ϕ = 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	

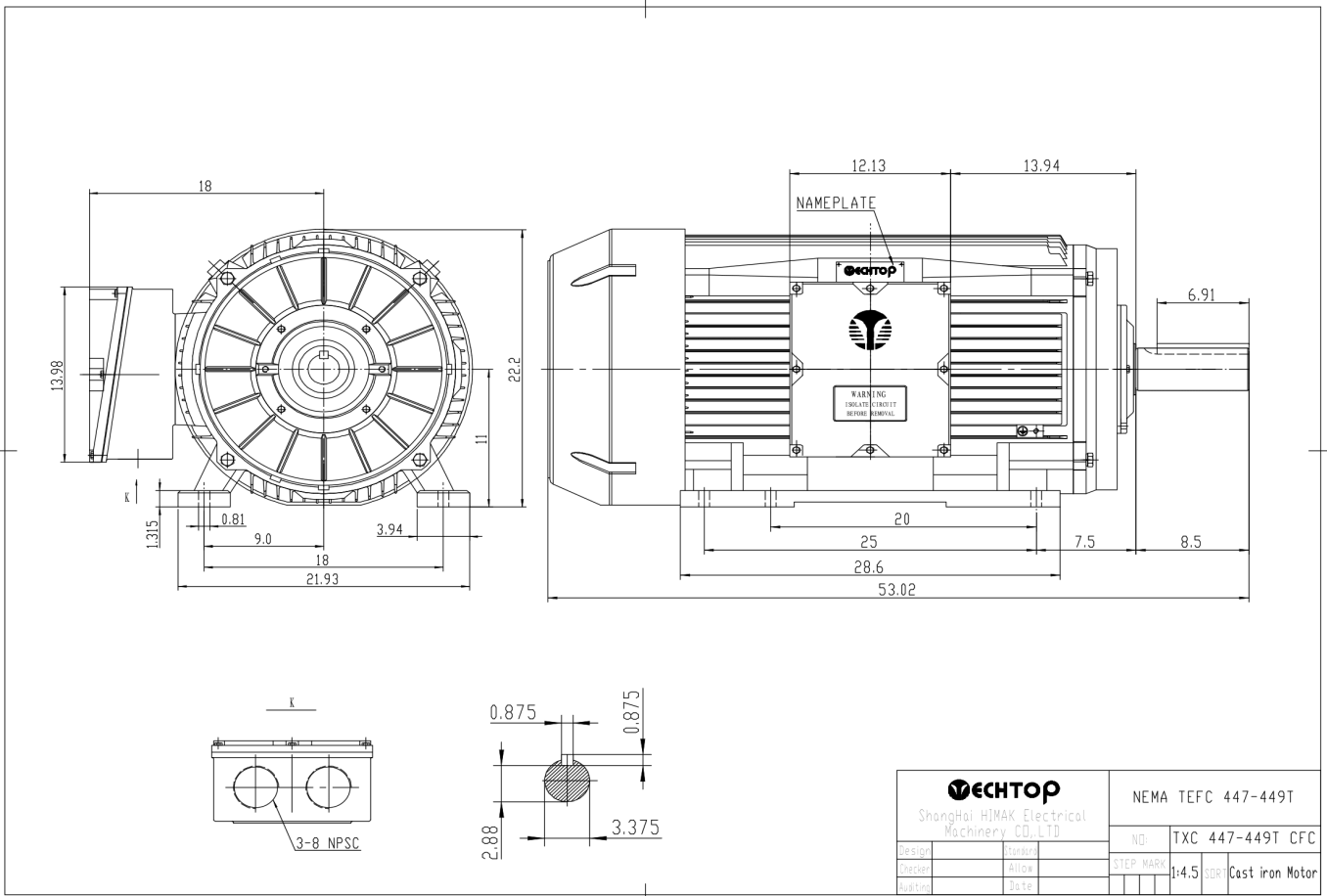
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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Dimensional Drawing (For Reference Only)

GR3-CI-TF-447(9)T-CFC-2D



TECHTOP		NEMA TEFC 447-449T	
Shanghai HIMAK Electrical Machinery CO.,LTD		NO:	TXC 447-449T CFC
Design	Drawn	STEP MARK	1:4.5 SDR
Checked	Allow	Date	Cast iron Motor

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			

