



Model Number:	GR3-CI-TF-445T-6-RR-E-125
MFG PN:	13665
List Price:	

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data		
Rated Motor Output Power	125.0	HP		Frame Size	445	
Rated Motor Speed	1180	r/min 60Hz		Enclosure	TEFC	
	985	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	143.2545171	A (In) @ 60Hz		Insulation Class	F	
	175	A (In) @ 50Hz		Tropicalization	1	
FL Current @ 208V	None	A (In) @ 60Hz		Duty	Cont. / S1	
Service Factor	1.15	@ 60Hz		Cable Entry	1-NPT 3"	
	1.15	@ 50Hz		Feet Removable	0	
KVA Code	J	60Hz		Double Drilled	1	
	D	50Hz		Frame Material	Cast Iron	
Nominal Efficiency	95.0	% @ 60Hz		Shaft Material	None	
	93.5	% @ 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	NU319	
Locked Rotor				Bearing NDE Side	6319C3	
Breakdown	1933.725692	307.0	-	Comp Ring (wavey washer)	NDE	
Pull Up	894.4268672	142.0	-	Weight	1730.925	Lbs
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3
125% of FL	1188.3	93.16	210.69	Site Conditions		
75% of FL	1193.4	93.83	132.1	Temp Rise @ Full Load °C	B	@ 60Hz
50% of FL	1195.7	93.12	99.61	Ambient Temperature °C	40	
No Load	1199.0	0	62.1	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	

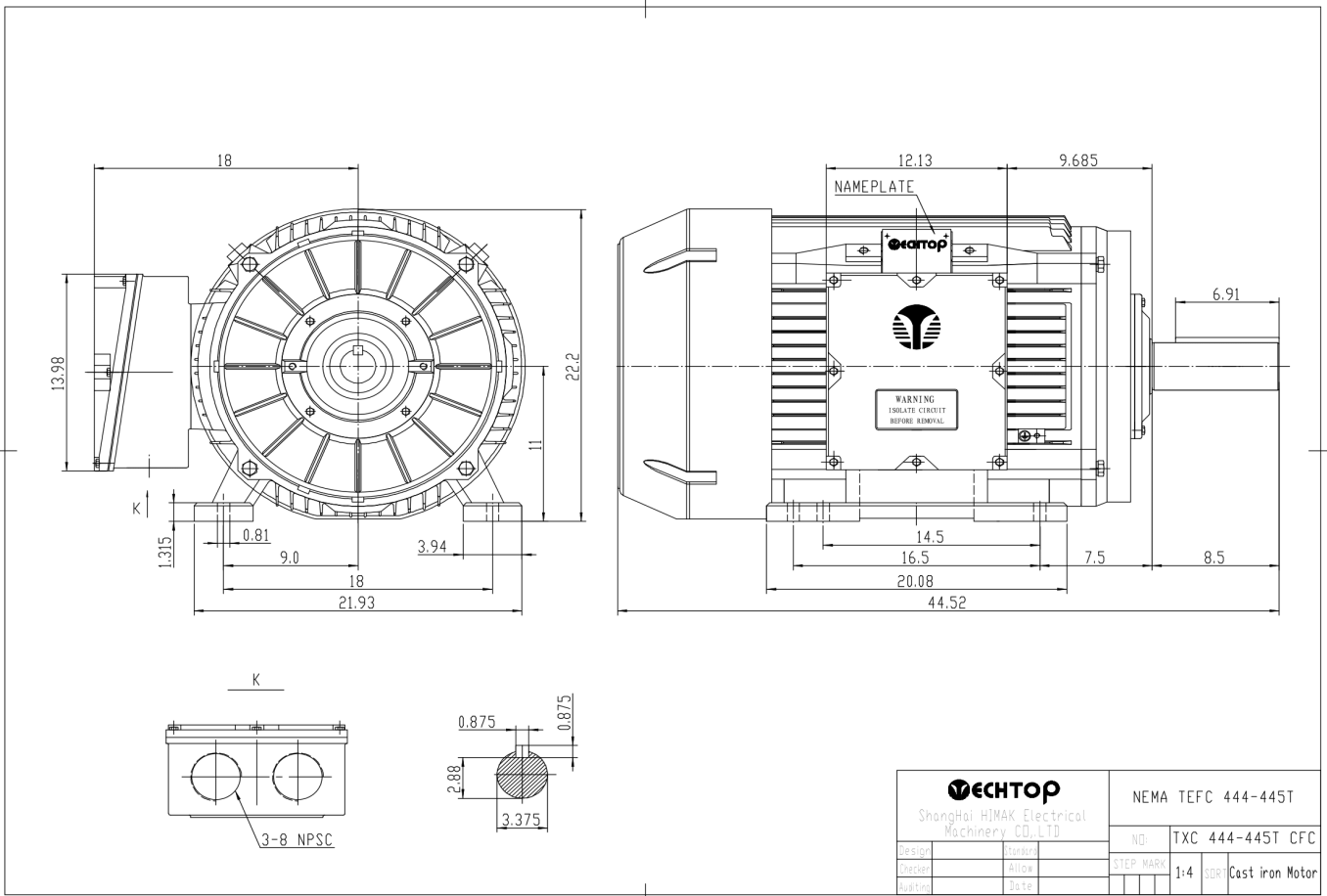
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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Dimensional Drawing (For Reference Only)

GR3-CI-TF-444(5)T-CFC-2D



TECHTOP		NEMA TEFC 444-445T	
Shanghai HIMAK Electrical Machinery CO., LTD		NO:	TXC 444-445T CFC
Design	Drawn	STEP MARK	1:4
Checked	Allow	SDR	Cast iron Motor
Approved	Date		

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			

