



<b>Model Number:</b>	GR3-CI-TF-445T-4-BR-E-150
<b>MFG PN:</b>	14845
<b>List Price:</b>	

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	TEFC		
	1480	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	166.595569	A (In) @ 60Hz		Insulation Class	F		
	200	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	H	60Hz		Double Drilled	1		
	D	50Hz		Frame Material	Cast Iron		
Nominal Efficiency	95.8	% @ 60Hz		Shaft Material	None		
	94.3	% @ 50Hz		Coating	RAL	7024	
Nominal Power Factor	0.88	cos $\phi$ @ 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	6319C3		
Breakdown	2005.324537	465.0	-	Comp Ring (wavey washer)	DE		
Pull Up	983.2559022	228.0	-	Weight	1631.7	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	1787.9	95.39	214.06	Site Conditions			
75% of FL	1792.3	95.48	146.37	Temp Rise @ Full Load °C	B	@ 60Hz	
50% of FL	1794.9	94.76	109.21	Ambient Temperature °C	40		
No Load	1199.0	0	65.07	Altitude Above Sea Level (M)	1000		
Brake Torque (N-M)	100.0	<b>Loaded Torque Curves</b>		None			
Brake Coil Voltage	None	<b>P1 = Output Power (KW), S = Slip (% of Sync RPM), <math>\eta</math> = Efficiency (%), cos<math>\phi</math> = Power Factor</b>					

<b>CT VFD Range</b>		
Haz Loc Rating		
Options:		
<b>UL File Number</b>		
<b>CSA File Number</b>		
<b>DOE File Number</b>		
<b>CE APPROVAL</b>		
<b>Wiring Diagram</b>	<b>NEMA-3-6-D</b>	

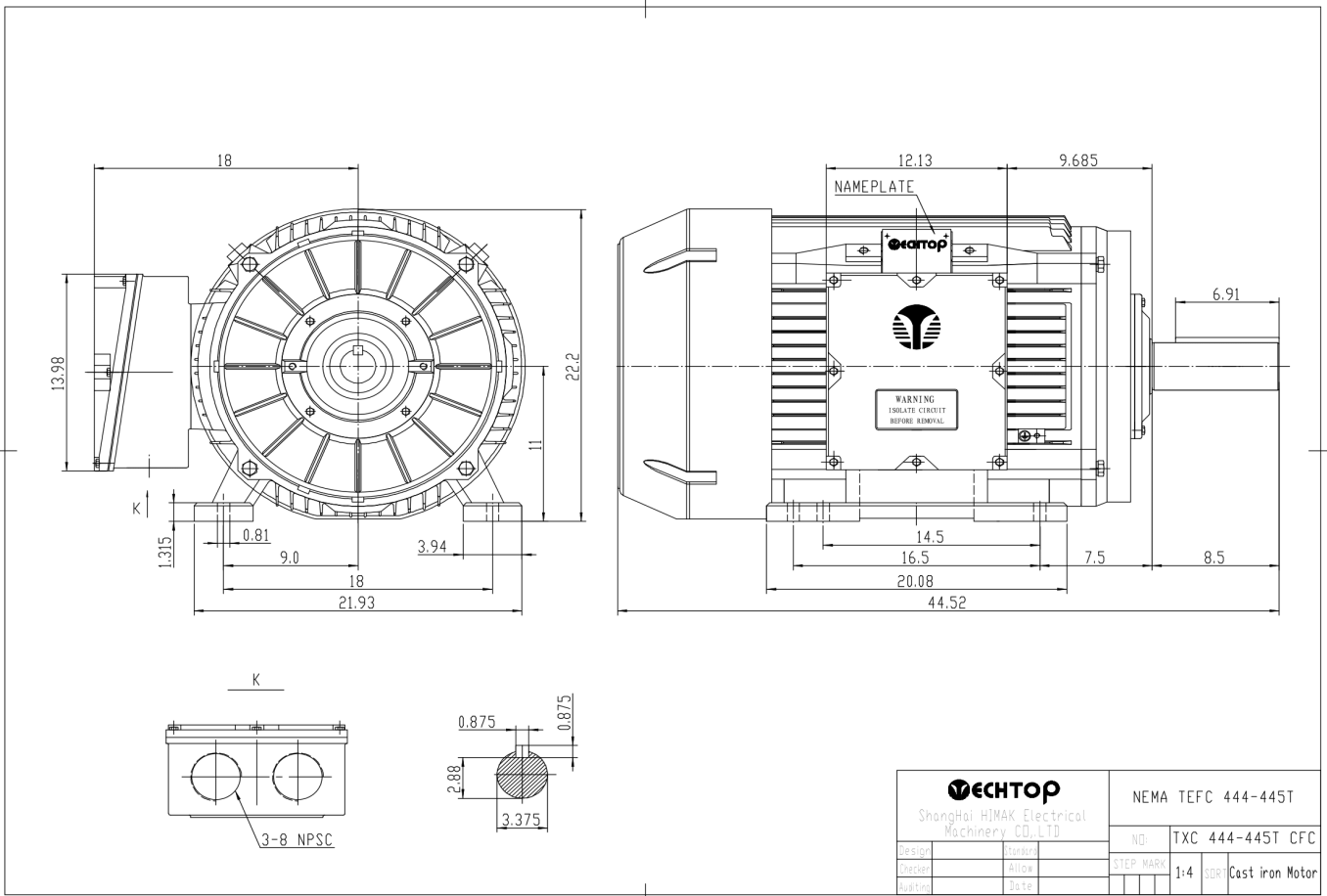
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



<b>Model Number:</b>	GR3-CI-TF-445T-4-BR-E-150
<b>MFG PN:</b>	
<b>List Price:</b>	14845

Dimensional Drawing (For Reference Only)

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



<b>TECHTOP</b> Shanghai HIMAK Electrical Machinery CO., LTD		NEMA TEFC 444-445T	
Design	Drawn	NO.	TXC 444-445T CFC
Checked	Allow	STEP MARK	1:4 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			

