



Model Number:	BK3-CI-TF-254T-6-BR-G-7.5
MFG PN:	1412
List Price:	

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data			
Rated Motor Output Power	7.5	HP		Frame Size	254T		
Rated Motor Speed	1110	r/min 60Hz		Enclosure	TEFC		
	1440	r/min 50Hz		Mounting	Rigid		
Rated Motor Voltage (3 Phase)	230/460/796	V/60Hz		NEMA Design	D		
	-	V/50Hz		IP Rating	55		
Rated Motor Current	20.4/10.2/5.89	A (In) @ 60Hz		Insulation Class	F		
	15.5/7.75	A (In) @ 50Hz		Tropicalization	1		
FL Current @ 208V	None	A (In) @ 60Hz		Duty	-		
Service Factor	1.15	@ 60Hz		Cable Entry	None		
	1.15	@ 50Hz		Feet Removable	0		
KVA Code	G	60Hz		Double Drilled	0		
	-	50Hz		Frame Material	Cast Iron		
Nominal Efficiency	84.0	% @ 60Hz		Shaft Material	None		
	None	% @ 50Hz		Coating	RAL	None	
Nominal Power Factor	0.83	cos ϕ @ 60Hz					
Full Load Torque Ft-Lb	S			Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6309C3		
Locked Rotor				Bearing NDE Side	6309C3		
Breakdown	83.75	236.0	-	Comp Ring (wavey washer)	-		
Pull Up	87.63	247.0	-	Weight	267.0	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	1078.1	81.25	12.95	Site Conditions			
75% of FL	1139.3	85.38	7.787	Temp Rise @ Full Load °C	B	@ 60Hz	
50% of FL	1162.0	84.97	5.886	Ambient Temperature °C	40		
No Load	1199.0	0	4.23	Altitude Above Sea Level (M)	1000		
Brake Torque (N-M)	None		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-3-12-DD-D-Y	

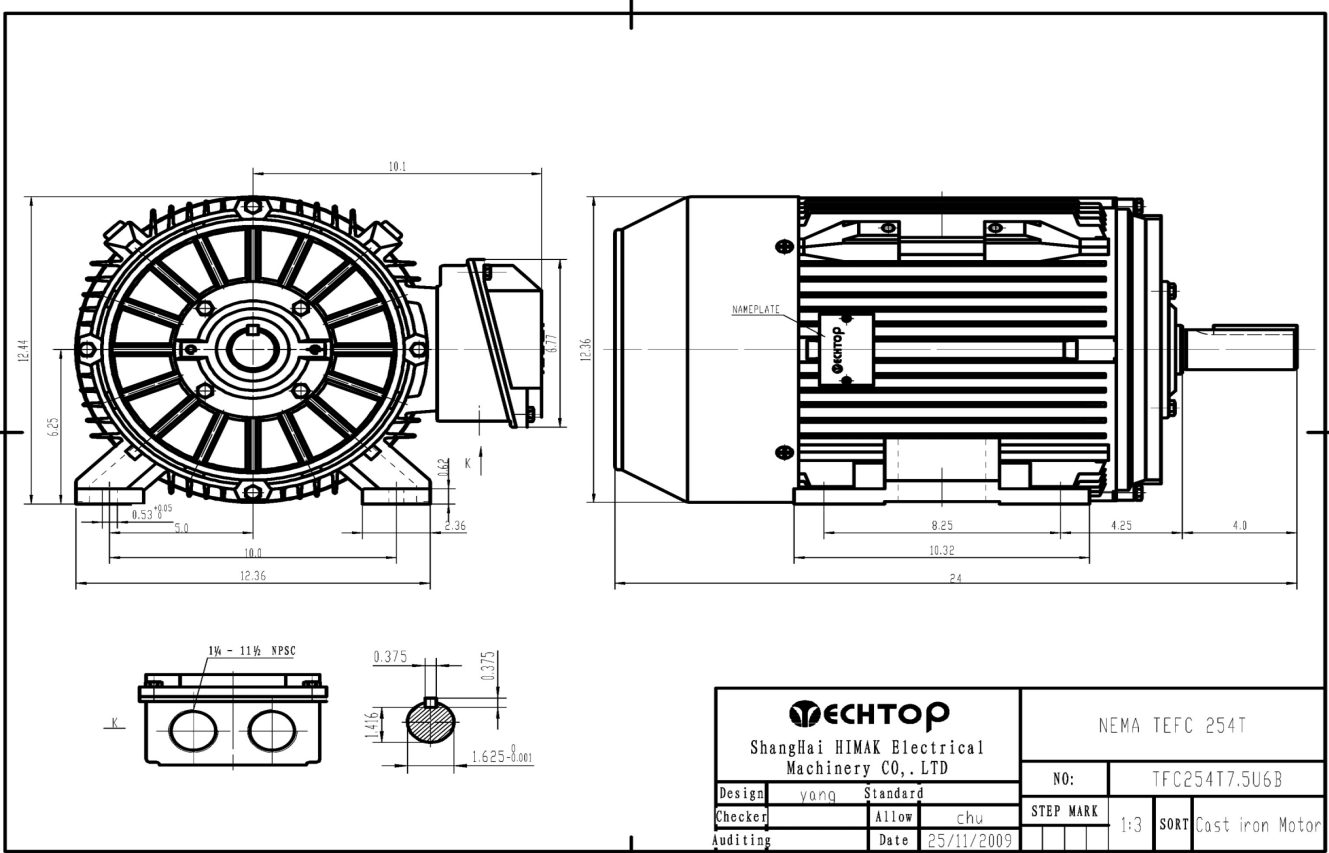
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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Dimensional Drawing (For Reference Only)

BK3-CI-TF-254T-2D



TECHTOP Shanghai HIMAK Electrical Machinery CO., LTD		NEMA TEFC 254T	
Design	yang	Standard	
Checker	Allow	chu	STEP MARK
Auditing	Date	25/11/2009	1:3 SORT Cast iron Motor
			NO: TFC254T7.5U6B

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			

