



Model Number:	BK3-CI-TF-286T-6-BR-G-20
MFG PN:	2488
List Price:	

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data			
Rated Motor Output Power	20.0	HP		Frame Size	286T		
Rated Motor Speed	1115	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	49.6/24.8/14.3	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	F	60Hz		Double Drilled	0		
	-	50Hz		Frame Material	Cast Iron		
Nominal Efficiency	86.4	% @ 60Hz		Shaft Material	None		
	None	% @ 50Hz		Coating	RAL	None	
Nominal Power Factor	0.88	cos ϕ @ 60Hz					
Full Load Torque Ft-Lb	S			Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6311C3		
Locked Rotor				Bearing NDE Side	6311C3		
Breakdown	255.66	270.0	-	Comp Ring (wavey washer)	-		
Pull Up	255.66	270.0	-	Weight	389.0	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	1085.2	83.97	31.67	Site Conditions			
75% of FL	1141.2	87.89	18.77	Temp Rise @ Full Load °C	B	@ 60Hz	
50% of FL	1162.9	87.68	13.72	Ambient Temperature °C	40		
No Load	1198.0	0	8.846	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	

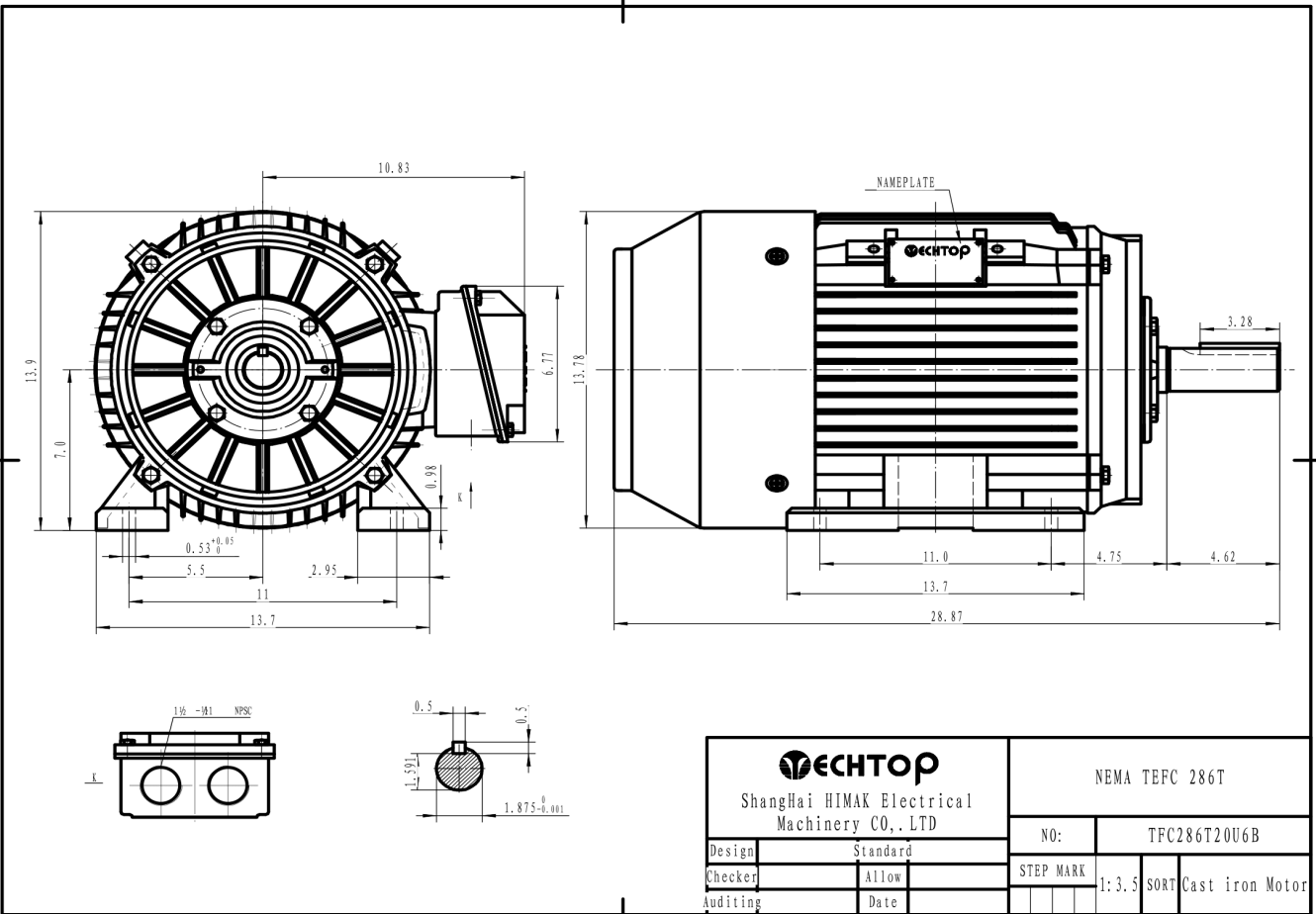
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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Dimensional Drawing (For Reference Only)

BK3-CI-TF-286T-2D



 ShangHai HIMAX Electrical Machinery CO., LTD		NEMA TEFC 286T	
		NO:	TFC286T20U6B
Design	Standard	STEP MARK	1:3.5
Checker	Allow		
Auditing	Date	SORT 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			

