



TECHTOP electric motors				Model Number		GR3-CI-TF-286JM-2-BR-D-30-230 460-60	
				MFG PN		T286TS30U2B	
				List Price		--	
All data shown at HIGH voltage setting						Format	STD 1 Phase
Electrical Data				General Data			
Rated Motor Output Power		30 HP		Frame Size		286	
Rated Motor Speed		3550 r/min		Enclosure		TEFC	
Rated Motor Voltage (1 Phase)		230 460-60 Volts - HZ		Approximate Weight		422.4	
Rated Motor Current		70.42/35.2 Amps		NEMA Design		A	
Service Factor		1.25		IP Rating		55	
KVA Code		L		Insulation Class		F	
Nominal Efficiency		91.7 %		Tropicalization		YES	
Nominal Power Factor		87 cosθ		Duty		Cont.	
Full Load Torque Ft-Lb		43.5184 Ft-Lb		Cable Entry		1.25	
Temp Rise @ Full Load °C		67.5		Feet Removable		YES	
Efficiency Level		IE3 - NEMA Premium		Double Drilled		NO	
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)		40	
Locked Rotor	-	225	297.4	Rated Altitude (M)		1000	
Breakdown	-	318	-	Coating		7024 - Graphite Grey	
Pull Up	-	147	-	Start Capacitor (µF / V / Qty)		--	
125% of FL	3540	-	42	Run Capacitor (µF / V / Qty)		--	
75% of FL	3566	-	26.2	Centrifugal Switch Type		--	
50% of FL	3578	-	19.21	Mechanical Data			
No Load	3591	-	10.42				
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing DE Side		6311 C3	
				Bearing NDE Side		6311 C3	
				Moment of Inertia		-- kg.m2	
				Noise Level		Per NEMA dB (A)	
CT VFD Range		--		Loaded Torque Curves		--	
						P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor	
Certifications	UL	CSA	DOE				
File Numbers	323353	224693	096A				
Wiring Diagram	3PH 12 Lead Dual Voltage						
DELTA RUN CONNECTIONS 6 7 12 1 4 8 10 2 5 9 11 3 230V RUN 10 4 7 1 11 5 8 2 12 6 9 3 398V RUN 4 7 12 1 5 8 10 2 6 9 11 3 460V RUN 10 4 7 1 11 5 8 2 12 6 9 3 796V RUN							

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

460V RUN

10

4

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398V RUN

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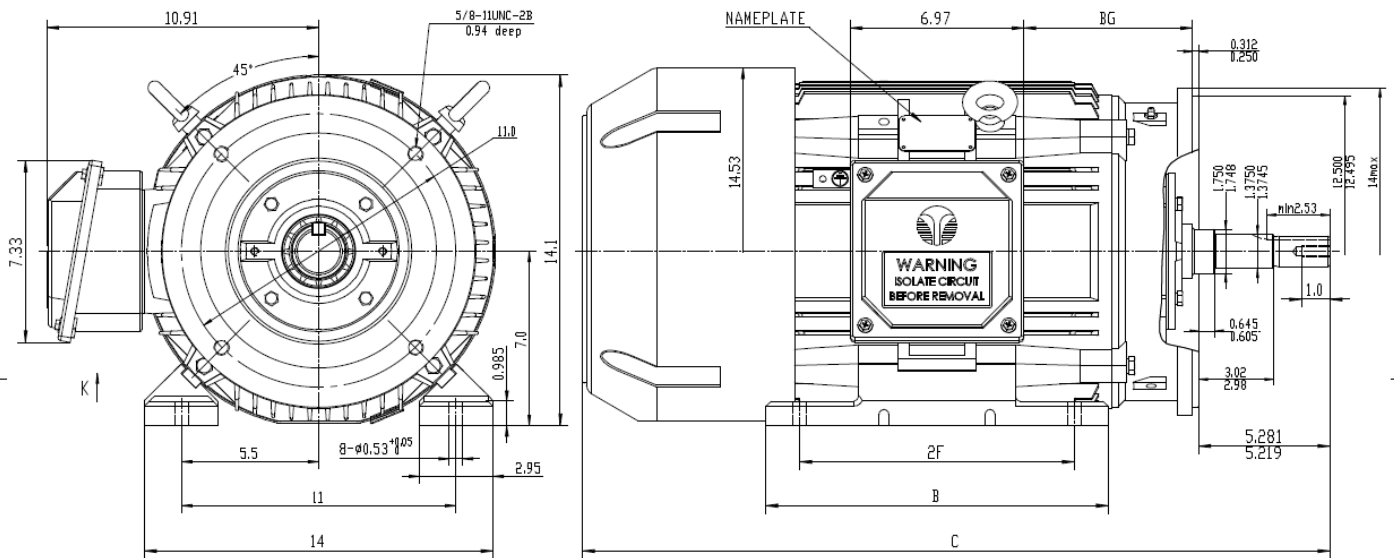
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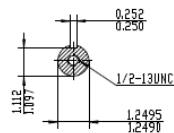
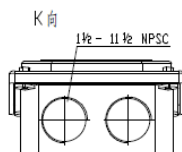
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796V RUN



Model	2F	B	BG	C
284T	9.5	12.2	6.27	28.48
286T	9.5/11	13.7	6.77	29.98



TECHTOP		NEMA TEFC 280T JM	
ShangHai HIMAK Electrical Machinery CO.,LTD		NO:	1HMY.010.JM005 CFC
Design	Standard	STEP MARK	1:3 SORT Cost iron Motor
Checker	Allow	S	
Auditing	Date		