



TECHTOP electric motors				Model Number		GR3-CI-TF-324JM-2-BR-D-40-230 460-60					
				MFG PN		T324TS40U2B					
				List Price		--					
All data shown at HIGH voltage setting						Format		STD 1 Phase			
Electrical Data				General Data							
Rated Motor Output Power		40 HP		Frame Size		324					
Rated Motor Speed		3560 r/min		Enclosure		TEFC					
Rated Motor Voltage (1 Phase)		230 460-60 Volts - HZ		Approximate Weight		532.4					
Rated Motor Current		90.08/45.04 Amps		NEMA Design		A					
Service Factor		1.25		IP Rating		55					
KVA Code		H		Insulation Class		F					
Nominal Efficiency		92.4 %		Tropicalization		YES					
Nominal Power Factor		90 cosθ		Duty		Cont.					
Full Load Torque Ft-Lb		59.67184 Ft-Lb		Cable Entry		1.25					
Temp Rise @ Full Load °C		65.8		Feet Removable		YES					
Efficiency Level		IE3 - NEMA Premium		Double Drilled		NO					
Load Data		RPM		Trq %FL		Current Amps		Rated Ambient (°C)		40	
Locked Rotor		-		235		344.4		Rated Altitude (M)		1000	
Breakdown		-		289		-		Coating		7024 - Graphite Grey	
Pull Up		-		--		-		Start Capacitor (µF / V / Qty)		--	
125% of FL		3542		-		56.87		Run Capacitor (µF / V / Qty)		--	
75% of FL		3568		-		35		Centrifugal Switch Type		--	
50% of FL		3579		-		25.43		Mechanical Data			
No Load		--		-		12.48		Bearing DE Side		6312 C3	
Hazardous Location		Class 1, Div 2, Grp A,B,C,D				Bearing NDE Side		6312 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 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 398V 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

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398V RUN

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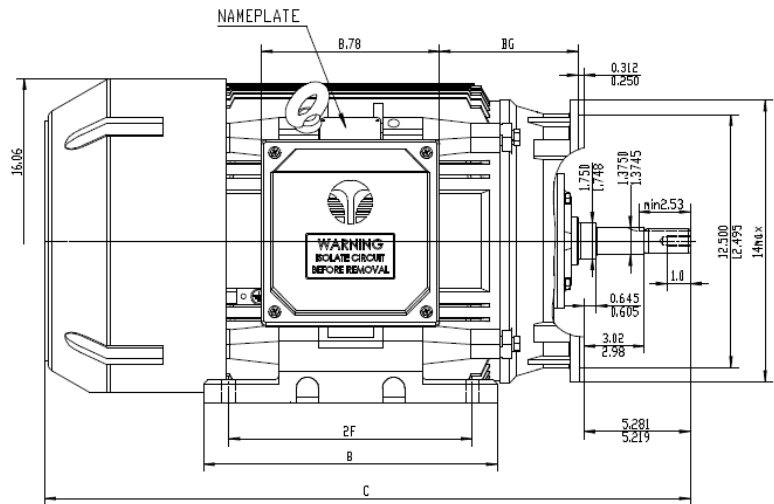
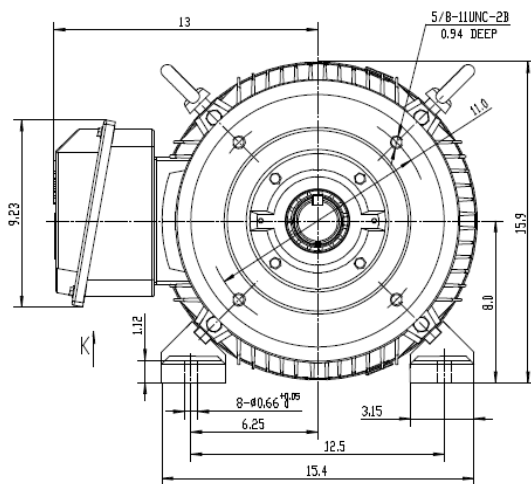
12

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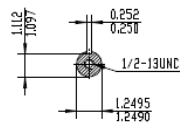
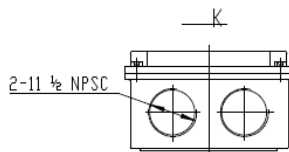
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796V RUN



Model	2F	B	8G	C
324T	10.5	13	6.11	30.13
326T	10.5/12	14.5	6.88	31.73



 Shanghai HIMAK Electrical Machinery CO.,LTD		NEMA TEFC 320T JM	
		NO:	1HMY.010.JM006 CFC
Design	Standard	STEP MARK	1:4.5 SORT Cast Iron Motor
Checker	Allow	S	
Auditing	Date		