



Model Number SD3-324TSC-2-BR-E-40-460-60

MFG PN T324TS40U2B

List Price --

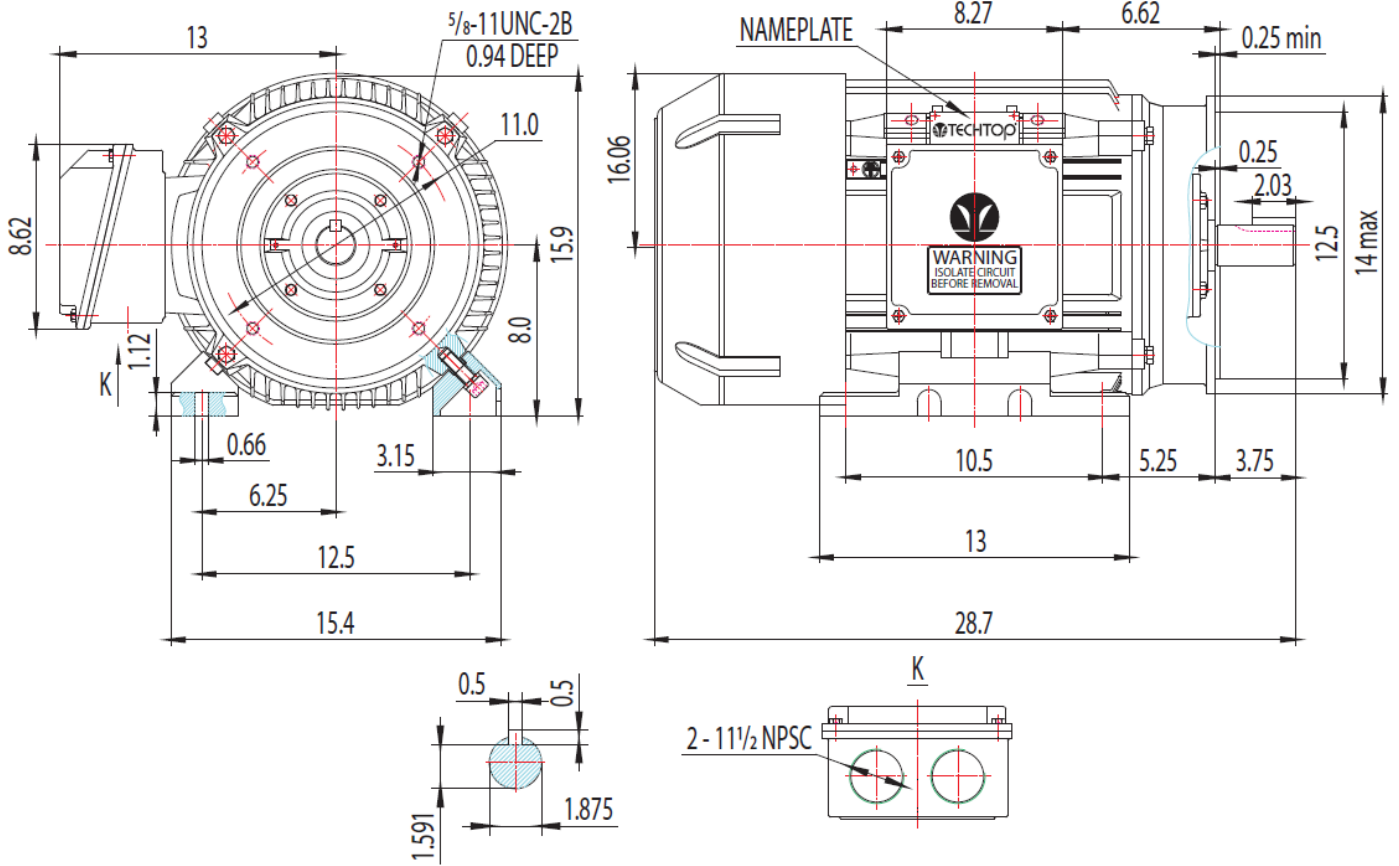
All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power	40 HP			Frame Size	324
Rated Motor Speed	3550 r/min			Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ			Approximate Weight	517.66
Rated Motor Current	45 Amps			NEMA Design	B
Service Factor	1.25			IP Rating	56
KVA Code	G			Insulation Class	F
Nominal Efficiency	92.4 %			Tropicalization	YES
Nominal Power Factor	0.9 cosθ			Duty	Cont.
Full Load Torque Ft-Lb	80.17 Ft-Lb			Cable Entry	1.25
Temp Rise @ Full Load °C	62.4			Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	228	313.8	Rated Altitude (M)	1000
Breakdown	-	238	-	Coating	7024 - Graphite Grey
Pull Up	-	126	-	Shaft Grounding	YES
125% of FL	3536	-	57.12	Brake Voltage (DC)	--
75% of FL	3565	-	33.92	Brake Torque (N-M)	--
50% of FL	3578	-	23.83	Mechanical Data	
No Load	--	-	10.01	Bearing DE Side	6312 C3
Hazardous Location	CL1 Div2 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 Single Voltage SD3				

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Base Frame	SD-324TSC-CI-TF

FRAME: 324TSC | HP: | RPM: | PHASE: 3 | VOLT: 208 - 230/460V | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA:



TECHTOP
 MATERIAL:
 UNITS: INCH BY: SSEE
 DRAWN: 10/1/2018
 WWW.TECHTOP.COM

MODEL NUMBER:
 GR3-CI-TF-324TSC
 MFG PN:

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES