



Model Number

SD3-284TC-6-BR-E-15-460-60

MFG PN

T284T15U6B

List Price

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All data shown at HIGH voltage setting

Format STD 3 Phase

**Electrical Data**

**General Data**

Rated Motor Output Power	15 HP	Frame Size	284
Rated Motor Speed	1180 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	388
Rated Motor Current	28.1 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	E	Insulation Class	F
Nominal Efficiency	90.1 %	Tropicalization	YES
Nominal Power Factor	0.78 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	88.39 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	46.2	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

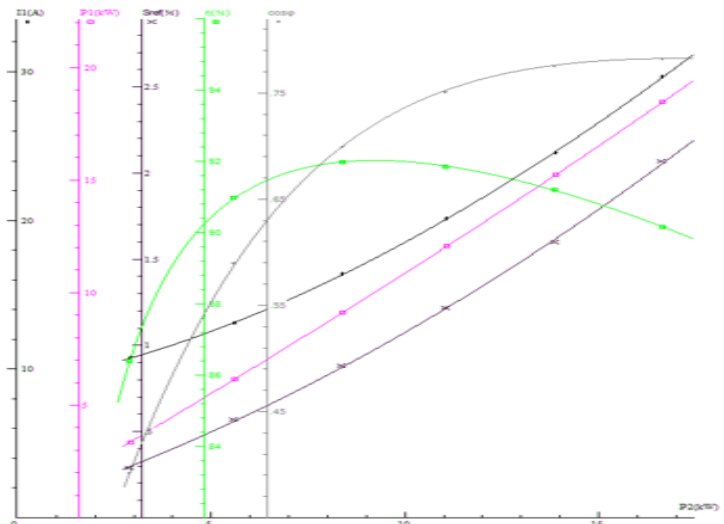
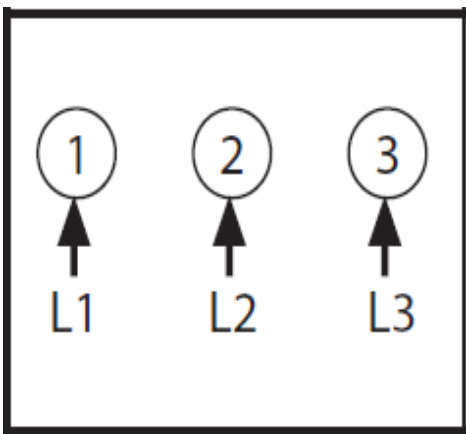
Load Data	RPM	Trq %FL	Current Amps	General Data	
Locked Rotor	-	262	124.2	Rated Ambient (°C)	40
Breakdown	-	256	-	Rated Altitude (M)	1000
Pull Up	-	236	-	Coating	7024 - Graphite Grey
125% of FL	1181	-	24.39	Shaft Grounding	YES
75% of FL	1190	-	16.17	Brake Voltage (DC)	--
50% of FL	1193	-	13.03	Brake Torque (N-M)	--
No Load	1196	-	9.8	<b>Mechanical Data</b>	

Hazardous Location	CL1 Div2 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	--	<b>Loaded Torque Curves</b>	
		P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor	

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A

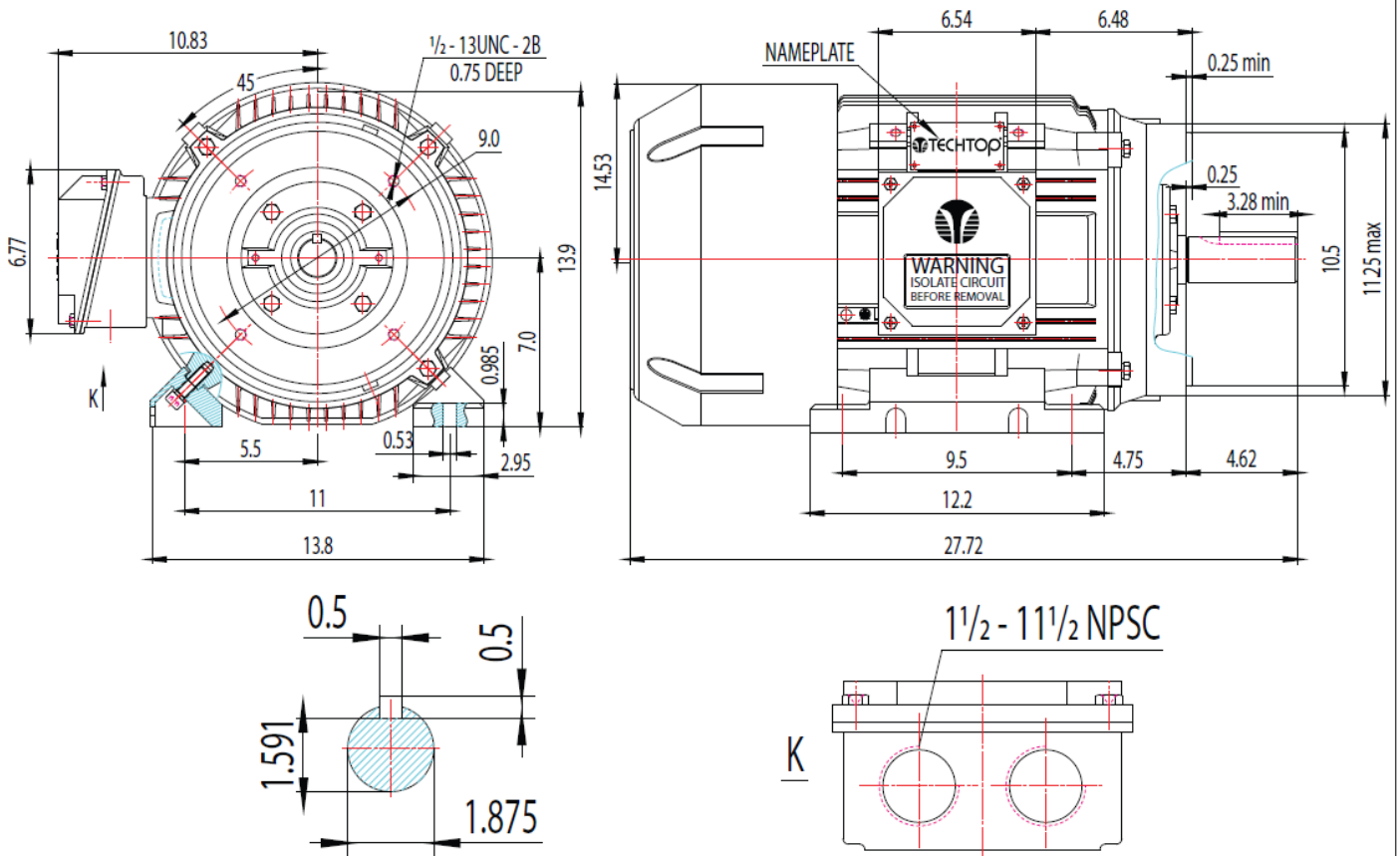
Wiring Diagram 3PH Single Voltage SD3





Model Number	SD3-284TC-6-BR-E-15-460-60
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Base Frame	SD-284TC-CI-TF

FRAME: 284TC | HP: | RPM: | PHASE: 3 | VOLT: 208 - 230/460V | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA:



TECHTOP	MODEL NUMBER:	REV.	BY	DATE	CHANGES
		GR3-CI-TF-284TC	1		
	MFG PN:	2			
MATERIAL:		3			
UNITS: INCH	BY: SSEE	4			
DRAWN: 6/26/2018		5			
WWW.TECHTOP.COM		6			
		7			

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