TECHTOP electric motors	**Model Number**	**SD3-444TC-4-BR-E-125-460-60**	
	MFG PN	**T444T125U4B**	
	List Price	**--**	

All data shown at HIGH voltage setting — Format: STD 3 Phase

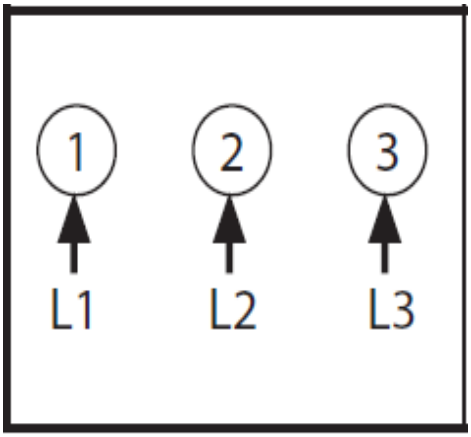
Electrical Data		**General Data**	
Rated Motor Output Power	125 HP	Frame Size	444
Rated Motor Speed	1785 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	1445.6
Rated Motor Current	138 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	56
KVA Code	G	Insulation Class	F
Nominal Efficiency	95.4 %	Tropicalization	YES
Nominal Power Factor	0.89 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	495 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	72.5	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

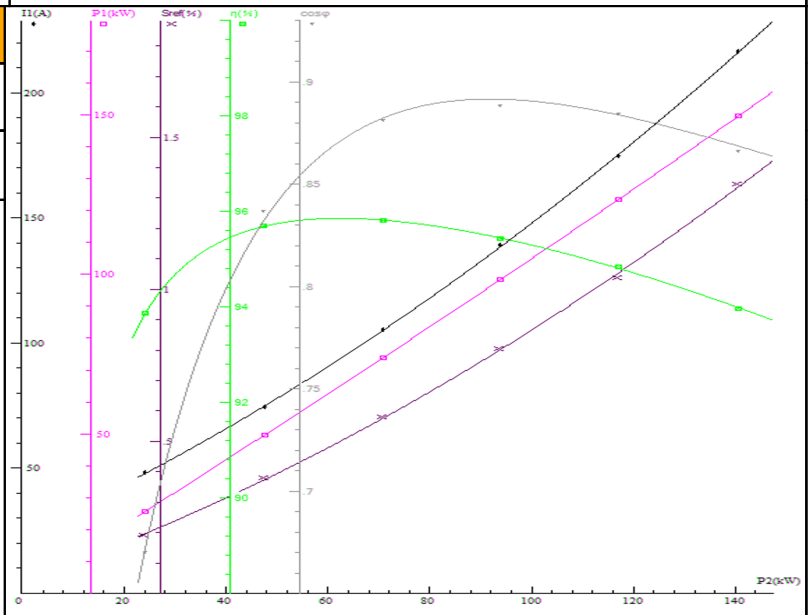
Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	197	922	Rated Altitude (M)	1000
Breakdown	-	185	-	Coating	7024 - Graphite Grey
Pull Up	-	89	-	Shaft Grounding	YES
125% of FL	1781	-	174.02	Brake Voltage (DC)	--
75% of FL	1790	-	103.68	Brake Torque (N-M)	--
50% of FL	1793	-	73.63	**Mechanical Data**	
No Load	--	-	33.66	Bearing DE Side	6319 C3
Hazardous Location	**CL1 Div2 Grp A,B,C,D**			Bearing NDE Side	6319 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**		

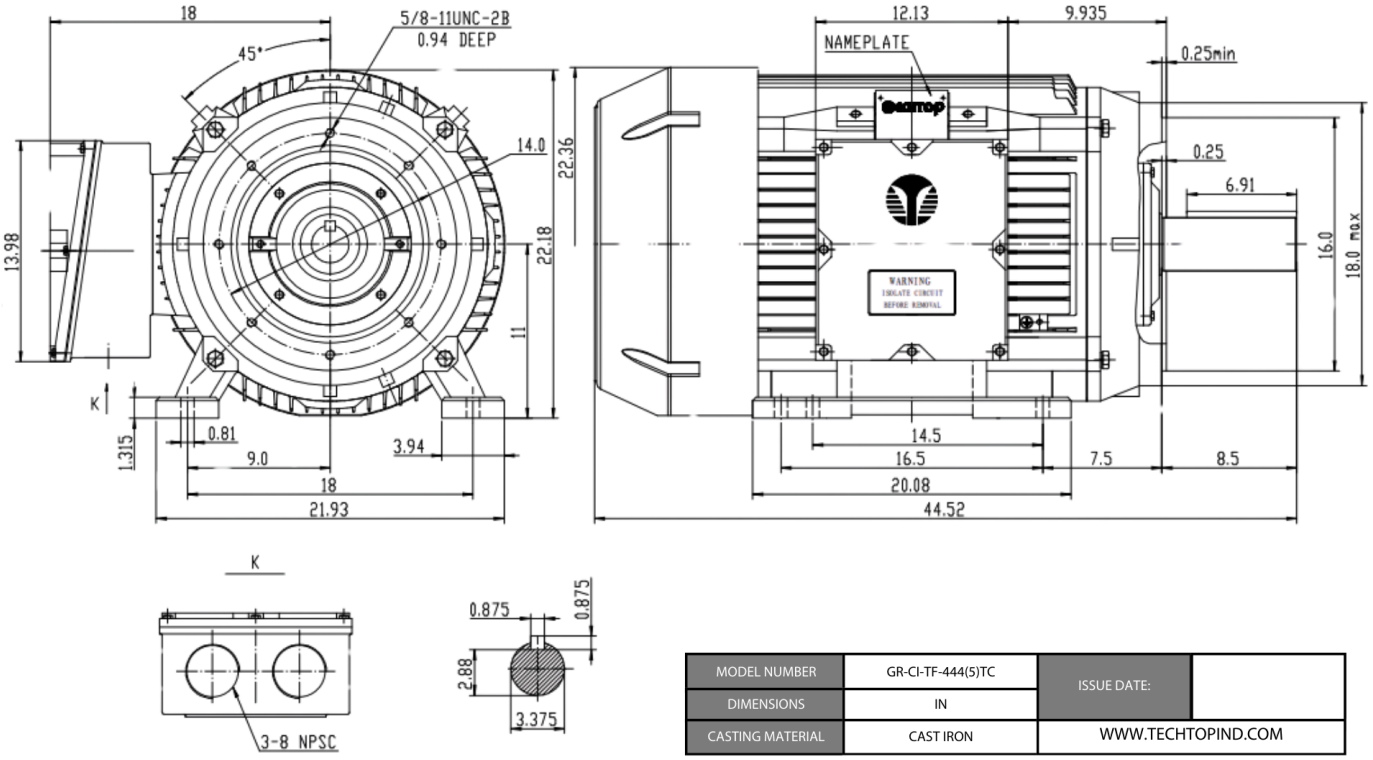




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Model Number	SD3-444TC-4-BR-E-125-460-60
MFG PN	T444T125U4B
List Price	--
Base Frame	SD-444TC-CI-TF

NEMA | TECHTOP electric motors



MODEL NUMBER	GR-CI-TF-444(5)TC	ISSUE DATE:	
DIMENSIONS	IN		
CASTING MATERIAL	CAST IRON	WWW.TECHTOPIND.COM	

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