TECHTOP electric motors	**Model Number**	**SD3-449TC-4-BR-E-250-460-60**	
	MFG PN	**T449T250U4B**	
	List Price	**--**	

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

Electrical Data		**General Data**	
Rated Motor Output Power	250 HP	Frame Size	449
Rated Motor Speed	1785 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	2320
Rated Motor Current	273 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	56
KVA Code	G	Insulation Class	F
Nominal Efficiency	96.2 %	Tropicalization	YES
Nominal Power Factor	0.89 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	997 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	72.2	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

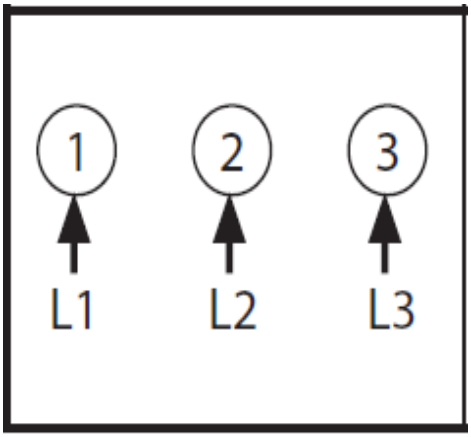
Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	253	1850	Rated Altitude (M)	1000
Breakdown	-	284	-	Coating	7024 - Graphite Grey
Pull Up	-	353	-	Shaft Grounding	YES
125% of FL	343.13	-	--	Brake Voltage (DC)	--
75% of FL	1791	-	206.24	Brake Torque (N-M)	--
50% of FL	1794	-	146.57	**Mechanical Data**	
No Load	--	-	67.41	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)

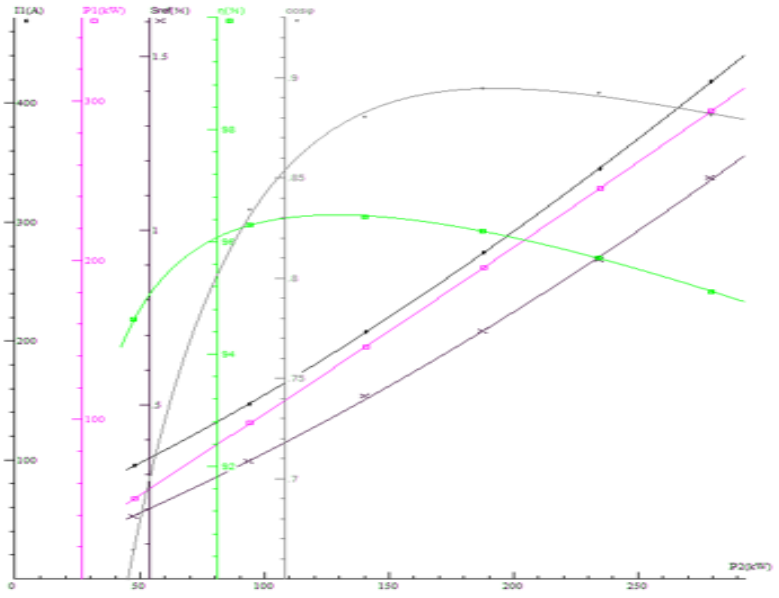
CT VFD Range	--	**Loaded Torque Curves**	**--**

P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor

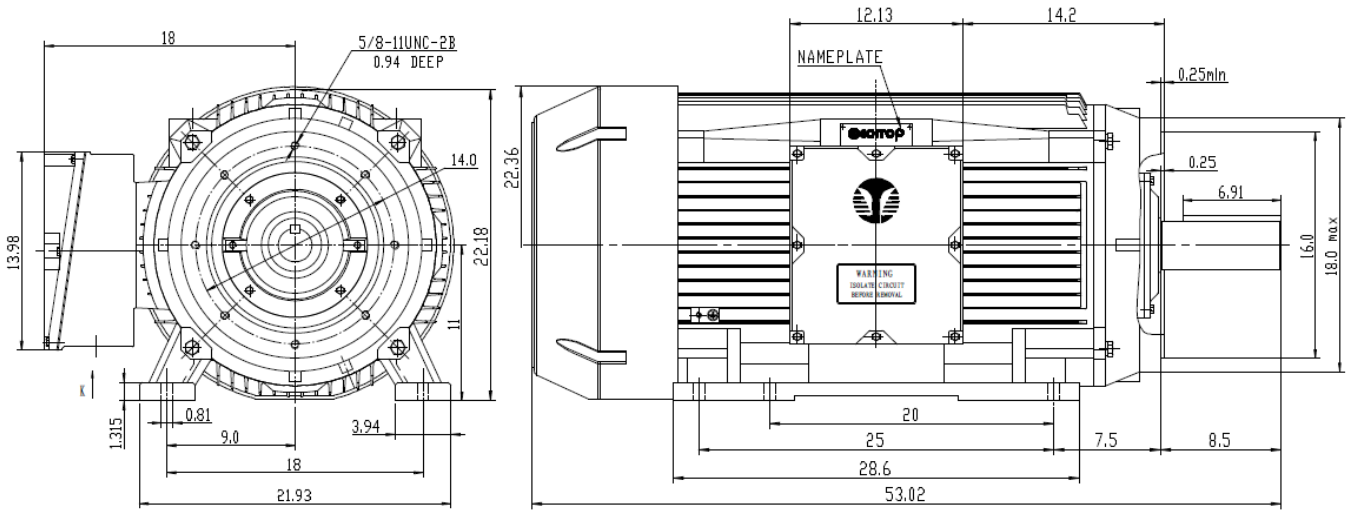
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A

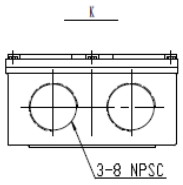
Wiring Diagram — **3PH Single Voltage SD3**

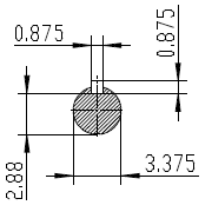




Model Number	SD3-449TC-4-BR-E-250-460-60
MFG PN	T449T250U4B
List Price	--
Base Frame	SD-449TC-CI-TF







TECHTOP ShangHai HIMAK Electrical Machinery CO.,LTD		NEMA TEFC 447-449TC CFC	
Design	Standard	NO:	1HMY.010.C034
Checker	Allow	STEP MARK	1:4.5 SORT Cast iron Motor
Auditing	Date		