



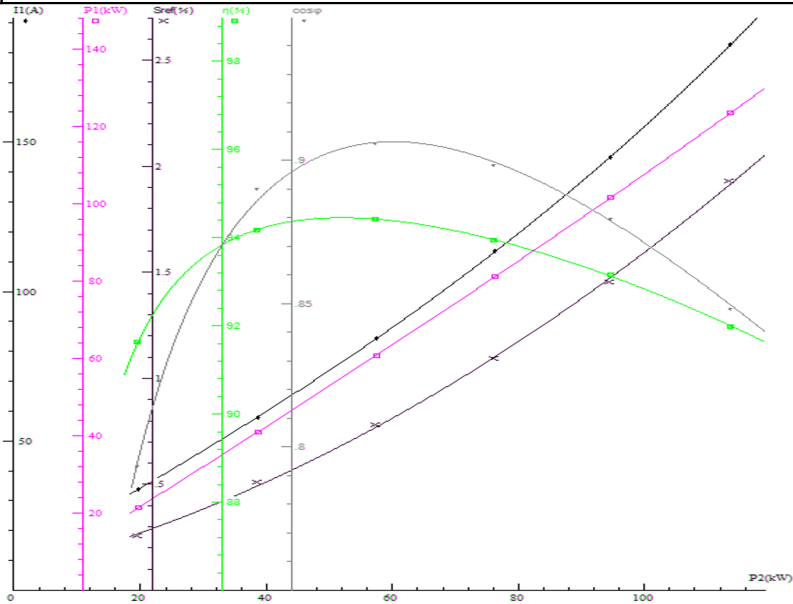
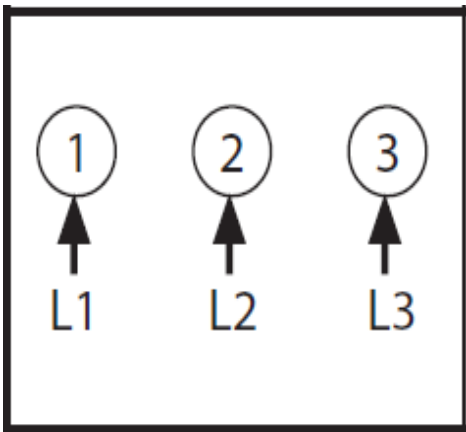
Model Number SD3-405TSC-2-BR-E-100-460-60

MFG PN T405TS100U2B

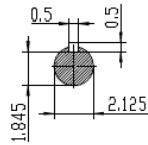
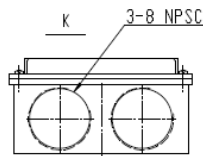
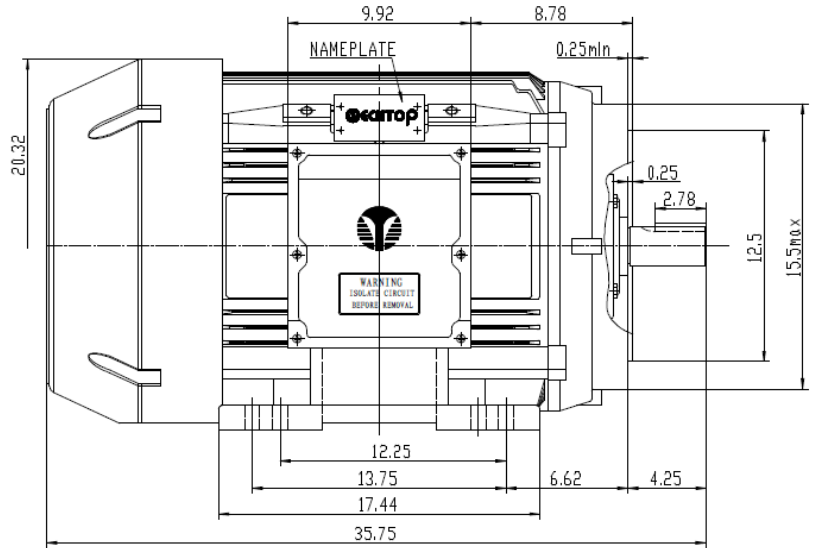
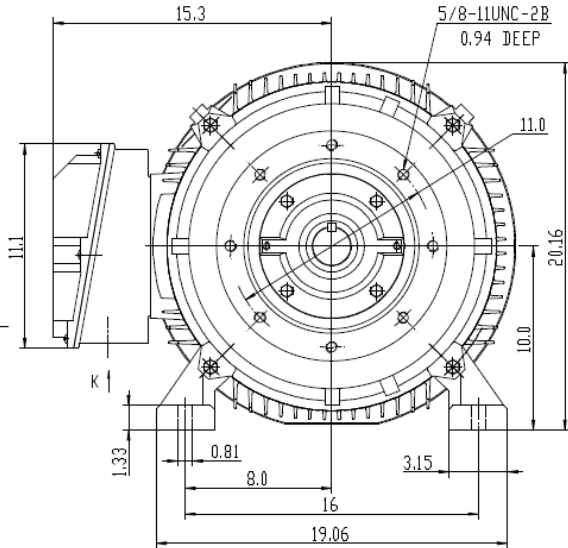
List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power		100 HP		Frame Size	405
Rated Motor Speed		3560 r/min		Enclosure	TEFC
Rated Motor Voltage (3 Phase)		460-60 Volts - HZ		Approximate Weight	1073.2
Rated Motor Current		112 Amps		NEMA Design	B
Service Factor		1.15		IP Rating	56
KVA Code		G		Insulation Class	F
Nominal Efficiency		94.1 %		Tropicalization	YES
Nominal Power Factor		0.89 cosθ		Duty	Cont.
Full Load Torque Ft-Lb		199 Ft-Lb		Cable Entry	1.25
Temp Rise @ Full Load °C		76.1		Feet Removable	YES
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	163	649	Rated Altitude (M)	1000
Breakdown	-	212	-	Coating	7024 - Graphite Grey
Pull Up	-	90	-	Shaft Grounding	YES
125% of FL	3548	-	143.48	Brake Voltage (DC)	--
75% of FL	3573	-	82.51	Brake Torque (N-M)	--
50% of FL	3583	-	56.59	Mechanical Data	
No Load	3594	-	18.61	Bearing DE Side	6316 C3
Hazardous Location	CL1 Div2 Grp A,B,C,D			Bearing NDE Side	6314 C3
				Moment of Inertia	-- kg.m2
				Noise Level	Per NEMA dB (A)
				Loaded Torque Curves	
CT VFD Range		--		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				
					

Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



TECHTOP Shanghai HIMAK Electrical Machinery CO., LTD		NEMA TEFC 404(5)TSC CFC	
Design	Standard	NO.	IHMV.010.C029
Checker	Allow	STEP MARK	1:3.5 SDR
Auditing	Date		Cast iron Motor