

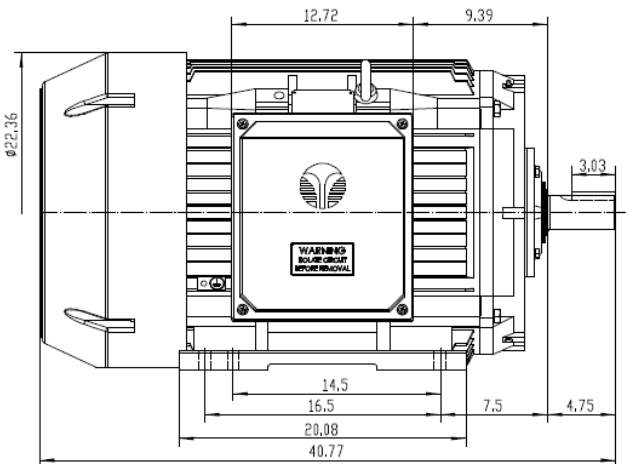
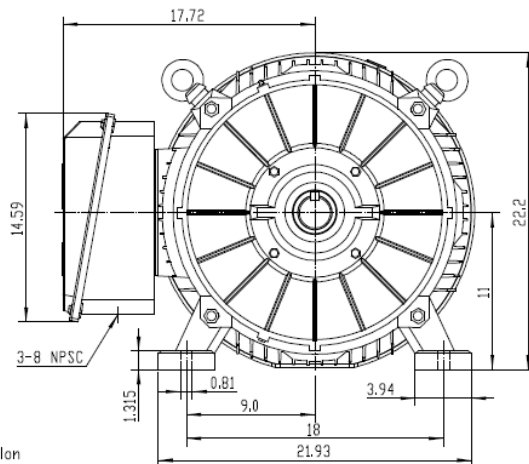


Model Number	SD3-444TS-2-BR-E-125-460-60
MFG PN	T444TS125U2B
List Price	--

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		3560 r/min		Enclosure	TEFC
Rated Motor Voltage (3 Phase)		460-60 Volts - HZ		Approximate Weight	1343.3
Rated Motor Current		137 Amps		NEMA Design	B
Service Factor		1.15		IP Rating	56
KVA Code		G		Insulation Class	F
Nominal Efficiency		95 %		Tropicalization	YES
Nominal Power Factor		0.9 cosθ		Duty	Cont.
Full Load Torque Ft-Lb		248 Ft-Lb		Cable Entry	1.25
Temp Rise @ Full Load °C		81.8		Feet Removable	YES
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	172	816	Rated Altitude (M)	1000
Breakdown	-	231	-	Coating	7024 - Graphite Grey
Pull Up	-	94	-	Shaft Grounding	YES
125% of FL	3553	-	173.61	Brake Voltage (DC)	--
75% of FL	3575	-	101.2	Brake Torque (N-M)	--
50% of FL	3584	-	69.68	Mechanical Data	
No Load	3599	-	23.47	Bearing DE Side	6316 C3
Hazardous Location	CL1 Div2 Grp A,B,C,D			Bearing NDE Side	6316 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				



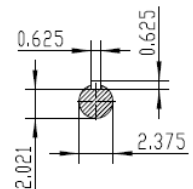
NOTES:

1. All Cast Iron Construction
2. Design B
3. IP55 Labyrinth seals on DE and ODE
4. H Class Insulation System
5. Max Winding Temperature rise 80°C
6. Max bearing temperature rise 45°C for 4 pole and 50°C for 2 pole motors when direct coupled.
7. Regreassable bearings
8. External Grounding provisions
9. Maximum foot flatness deviation .127 mm
10. Conductive Polymer Cooling Fan
11. Diagonally Split Conduit Box rotatable in 90° Increments
12. Lead seals in conduit box
13. Maximum no load sound power 85 dBA(2 pole),
Maximum no load sound power 70 dBA(4 pole),
Maximum no load sound power 64 dBA(6 pole).
14. No Load Motor Vibration not to exceed
a.Radial 60HZ - 2.03mm/s (2,4 pole) and 1.52mm/s (6 pole)
b.Axial 60HZ - 1.52mm/s
15. 300 series Stainless Steel hardware
16. Epoxy Coating meeting ASTM B117-97 for 96 h
17. All internal surfaces coated with anti-corrosion coating.
18. Internal Shaft Grounding brush installed on drive end.
19. No Load test report included with motor

TECHTOP IEEE 841 SEVERE DUTY ELECTRIC MOTOR			
MODEL	SD3-444TS-2-BR-E-125	TECHTOP.COM	
HP	125	50 Hz	125
RPM	3540	2855	
VOLTS	460	380	
FLA	137	167	
SF	1.15	1	
KVA CODE	0	E	
NOM EFF	0.950		
BEARING SIZE	1 1/2		
ARC ARRESTOR	15-1 CT-1.0 SF		
DATE	06/08/02		
DESIGN	B		
FRAME	444TS		
ENCL	TEFC		
IP	55		
DUTY	Cont.		
INS CL	H		
AMB	40 °C		
WEIGHT	1491.1 lbs		
MADE IN	CHINA		

CONNECTIONS

T1 T2 T3



ShangHai HIMAK Electrical Machinery CO., LTD

NEMA TEFC 444TS-125HP-2P
IEEE-841 UNITS:INCH

NO: CY260.A20.001

Design	Standard	STEP MARK	1:6.5	SORT	Cast iron Motor
Checker	Allow				
Auditing	Date				