



Model Number SD3-447TS-2-BR-E-200-460-60

MFG PN T447TS200U2B

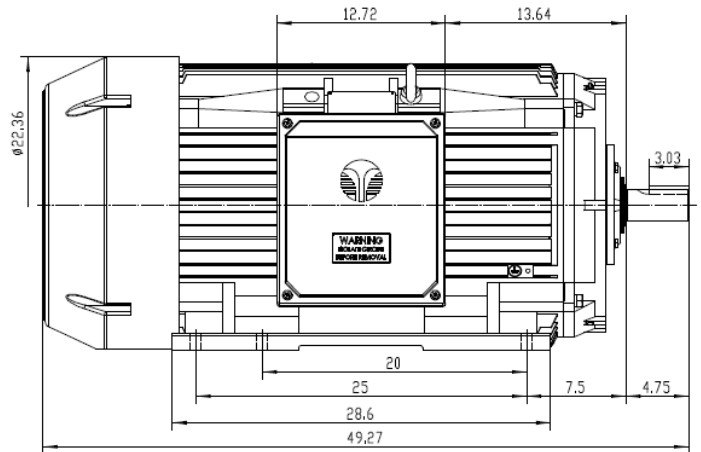
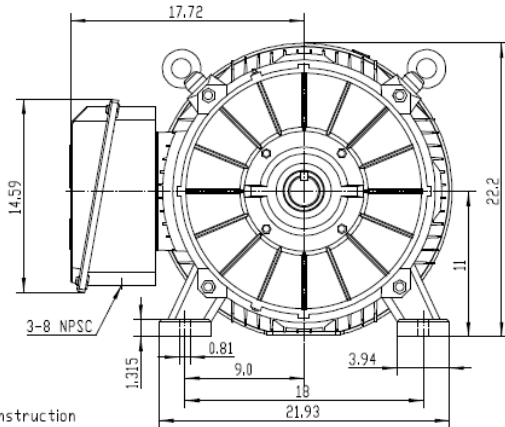
List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power	200 HP			Frame Size	447
Rated Motor Speed	3570 r/min			Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ			Approximate Weight	1918
Rated Motor Current	216 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	0.91 cosθ			Duty	Cont.
Full Load Torque Ft-Lb	400.17 Ft-Lb			Cable Entry	1.25
Temp Rise @ Full Load °C	84.9			Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	220	1437	Rated Altitude (M)	1000
Breakdown	-	261	-	Coating	7024 - Graphite Grey
Pull Up	-	90	-	Shaft Grounding	YES
125% of FL	3561	-	273.31	Brake Voltage (DC)	--
75% of FL	3578	-	160.64	Brake Torque (N-M)	--
50% of FL	3586	-	110.37	Mechanical Data	
No Load	3599	-	35.9	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				

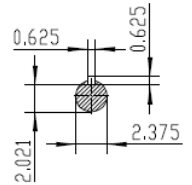
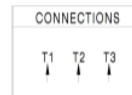
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List Price	--
Base Frame	SD-447TS-CI-TF



NOTES:

- All Cast Iron Construction
- Design B
- IP55 Labyrinth seals on DE and DDE
- H Class Insulation System
- Max Winding Temperature rise 80°C
- Max bearing temperature rise 45°C for 4 pole and 50°C for 2 pole motors when direct coupled.
- Regreasable bearings
- External Grounding provisions
- Maximum Foot Flatness deviation .127 mm
- Conductive Polymer Cooling Fan
- Diagonally Split Conduit Box rotatable In 90° Increments
- Lead seals in conduit box
- 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).
- 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
- 300 series Stainless Steel hardware
- Epoxy Coating meeting ASTM B117-97 for 96 h
- All internal surfaces coated with anti-corrosion coating.
- Internal Shaft Grounding brush Installed on drive end.
- No Load test report Included with motor

TECHTOP IEEE 841 SEVERE DUTY ELECTRIC MOTOR	
MODEL: SD3-447TS-2-BR-E-200	TECHTOP.COM
NEMA HP: 200	50 Hz
RPM: 3570	2900
VOL(T30): 460	380
FLA: 216	266
SF: 1.15	1
KVA CODE: G	E
NOM EFF: 0.954	
TECHTOP SER #	INS CL
ARC ARRESTOR CODE: E3H-C3	AMB
VFD: 15.1 CT-1.8 SF	WEIGHT: 1912.3 lbs
	MADE IN CHINA



 ShangHai HIMAK Electrical Machinery CO., LTD		NEMA TEFC 447TS-200HP-2P	
		IEEE-841 UNITS:INCH	
Design	Standard	NO:	CY260.A20.003
Checker	Allow	STEP MARK	1:7 SORT Cast iron Motor
Auditing	Date		