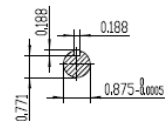
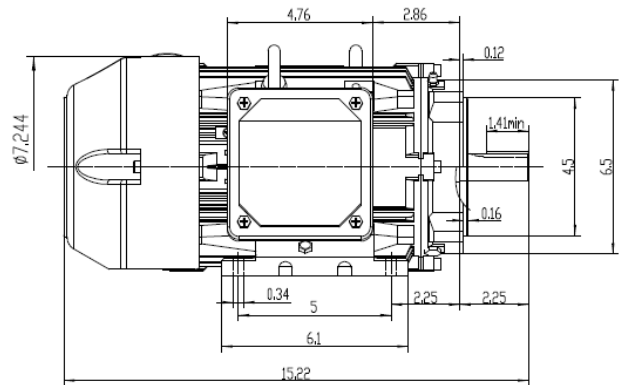
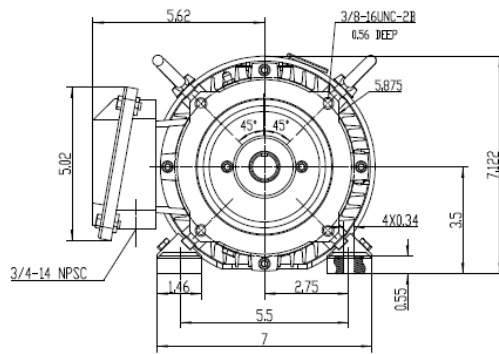


				Model Number		SD3-145TC-4-BR-E-1.5-460-60		
				MFG PN		T145T1.5U4B		
				List Price		--		
All data shown at HIGH voltage setting						Format		STD 3 Phase
Electrical Data					General Data			
Rated Motor Output Power		1.5 HP			Frame Size		145	
Rated Motor Speed		1740 r/min			Enclosure		TEFC	
Rated Motor Voltage (3 Phase)		460-60 Volts - HZ			Approximate Weight		55	
Rated Motor Current		2.2 Amps			NEMA Design		B	
Service Factor		1.25			IP Rating		56	
KVA Code		--			Insulation Class		F	
Nominal Efficiency		-- %			Tropicalization		YES	
Nominal Power Factor		-- cosθ			Duty		Cont.	
Full Load Torque Ft-Lb		6.06 Ft-Lb			Cable Entry		1.25	
Temp Rise @ Full Load °C		36.8			Feet Removable		YES	
Efficiency Level		IE3 - NEMA Premium			Double Drilled		NO	
Load Data	RPM	Trq %FL		Current Amps	Rated Ambient (°C)		40	
Locked Rotor	-	311		7.92	Rated Altitude (M)		1000	
Breakdown	-	351		-	Coating		7024 - Graphite Grey	
Pull Up	-	216		-	Shaft Grounding		YES	
125% of FL	1732	-		2.53	Brake Voltage (DC)		--	
75% of FL	1762	-		1.75	Brake Torque (N-M)		--	
50% of FL	1775	-		1.47	Mechanical Data			
No Load	1796	-		1.19				
Hazardous Location	CL1 Div2 Grp A,B,C,D				Bearing DE Side		6205ZZ	
					Bearing NDE Side		6205ZZ	
					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							
1 ↑ L1 2 ↑ L2 3 ↑ L3								
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540								



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. Regreasable 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



ShangHai HIMAK Electrical
Machinery CO., LTD

NEMA TEFC 145TC
IEEE-841 UNITS:INCH

Design		Standard		NO:	CY252.A20.002
Checker		Allow		STEP MARK	1:3 SORT
Auditing		Date			Cast iron Motor