



Model Number

SD3-365T-4-BR-E-75-460-60

MFG PN

T365T75U4B

List Price

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All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

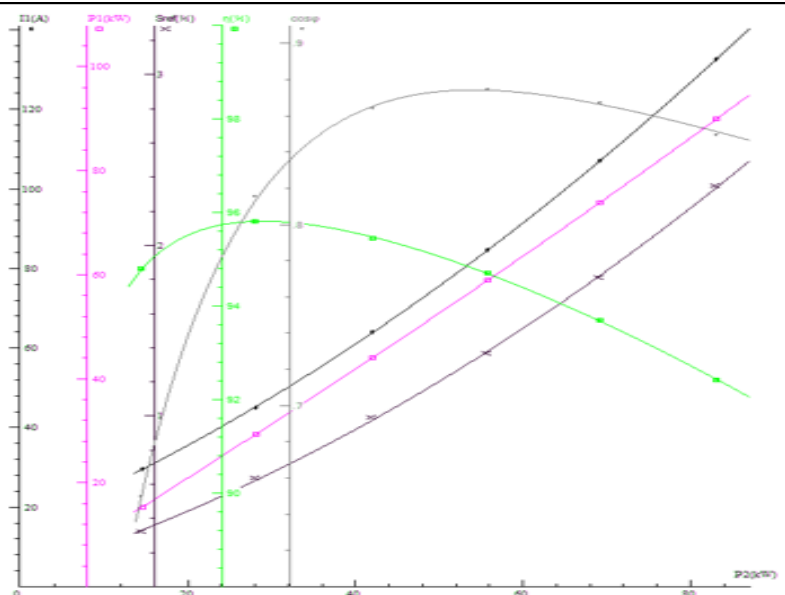
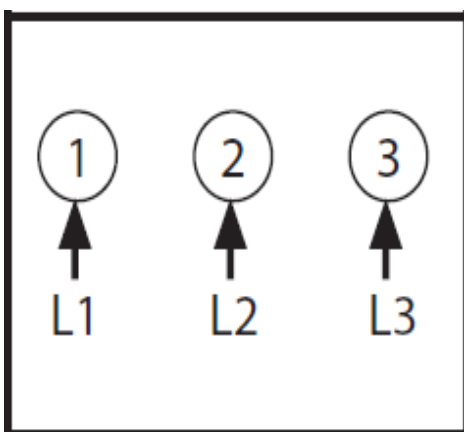
Rated Motor Output Power	75 HP	Frame Size	365
Rated Motor Speed	1775 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	825.8
Rated Motor Current	84.6 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	56
KVA Code	G	Insulation Class	F
Nominal Efficiency	95.4 %	Tropicalization	YES
Nominal Power Factor	0.87 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	293.07 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	74.3	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	168	484.8	Rated Altitude (M)	1000
Breakdown	-	218	-	Coating	7024 - Graphite Grey
Pull Up	-	114	-	Shaft Grounding	YES
125% of FL	1767	-	106.24	Brake Voltage (DC)	--
75% of FL	1783	-	62.75	Brake Torque (N-M)	--
50% of FL	1789	-	44.51	Mechanical Data	
No Load	1796	-	21.02	Bearing DE Side	6313 C3

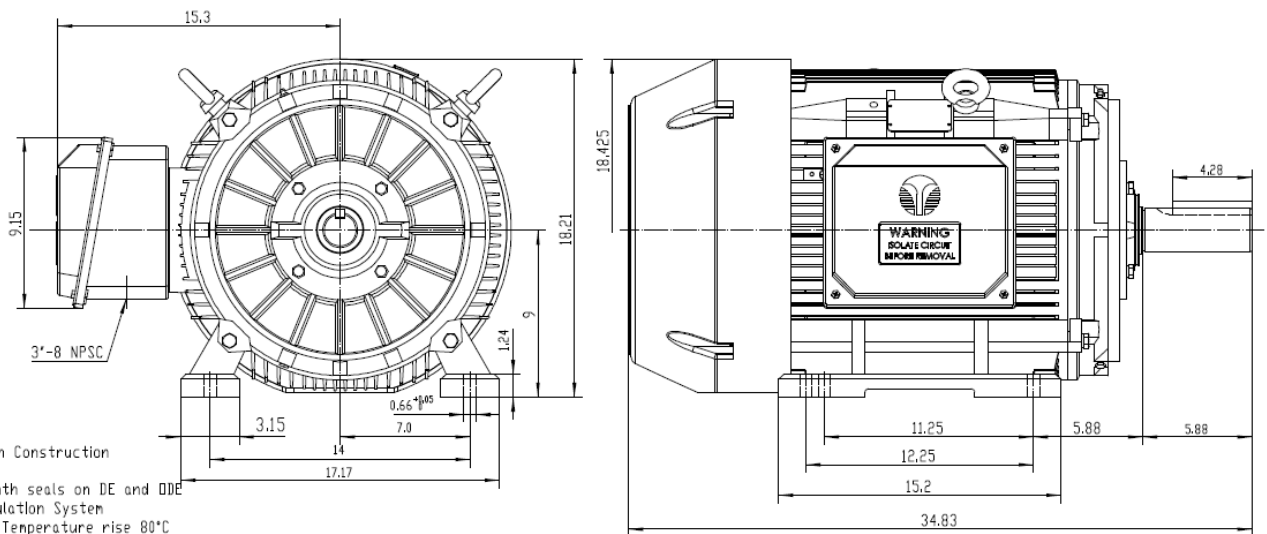
Hazardous Location	CL1 Div2 Grp A,B,C,D	Bearing NDE Side	6313 C3
		Moment of Inertia	-- kg.m2
		Noise Level	Per NEMA dB (A)

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		



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



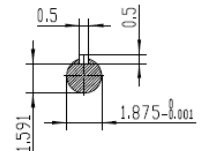
NOTES:

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

TECHTOP IEEE 841 SEVERE DUTY ELECTRIC MOTOR	
MODEL SD3-365T-4-BR-E-50	TECHTOP.COM
NEMA 365T	HP 50 50 50
60 Hz 50 Hz	RPM 1180 975 975
VOLT(3Ø) 480 380 380	DATE 06/04/02
FLA 60.0 74.0 74.0	DESIGN B
SF 1.15 1 1	FRAME 365T
KVA CODE G C	ENCL TEFC
NOM EFF 8.941	IP 55
INS CL H	DUTY Cont.
AMB 40 °C	WEIGHT 824.7 lbs
VFD 15:1 CT-1.0 SF	MADE IN CHINA 200405

CONNECTIONS

T1 T2 T3



ShangHai HIMAK Electrical Machinery CO.,LTD

NEMA TEFC 365T-50HP-6P
IEEE-841 UNITS:INCH

NO: CY258.A20.006

STEP MARK 1:5 SORT Cast iron Motor