



Model Number

SD3-365T-6-BR-E-50-460-60

MFG PN

T365T50U6B

List Price

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All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

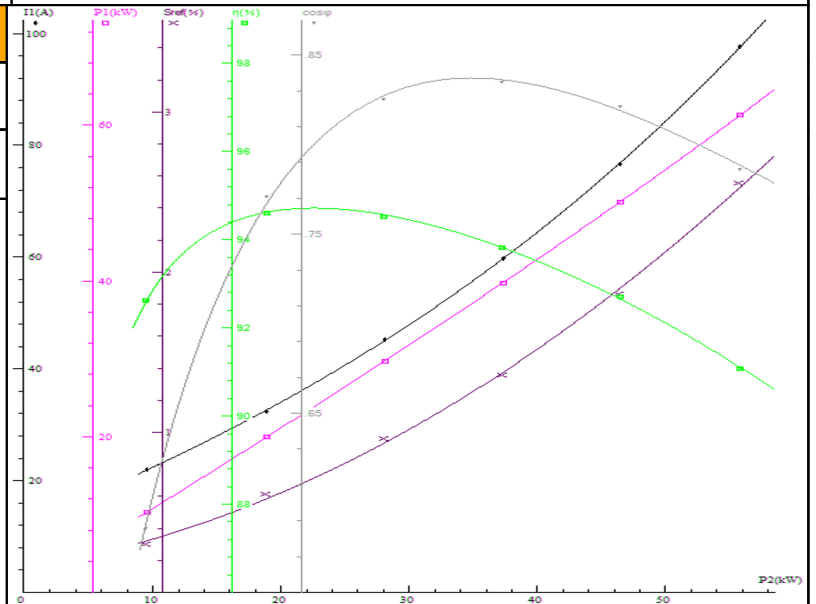
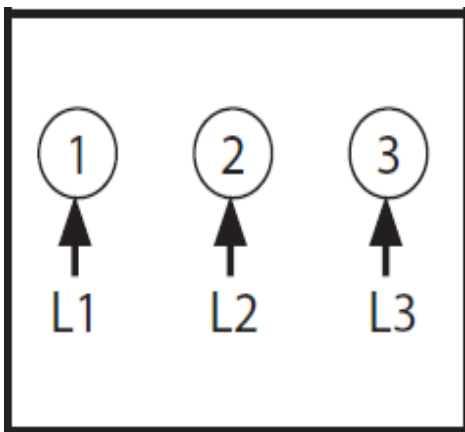
Rated Motor Output Power	50 HP	Frame Size	365
Rated Motor Speed	1180 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	847
Rated Motor Current	60 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	56
KVA Code	G	Insulation Class	F
Nominal Efficiency	94.1 %	Tropicalization	YES
Nominal Power Factor	0.83 cos θ	Duty	Cont.
Full Load Torque Ft-Lb	297.6 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	56.9	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	218	296.4	Rated Altitude (M)	1000
Breakdown	-	179	-	Coating	7024 - Graphite Grey
Pull Up	-	168	-	Shaft Grounding	YES
125% of FL	1177	-	76.4	Brake Voltage (DC)	--
75% of FL	1189	-	44.55	Brake Torque (N-M)	--
50% of FL	1193	-	32.18	Mechanical Data	
No Load	--	-	16.86	Bearing DE Side	6313 C3

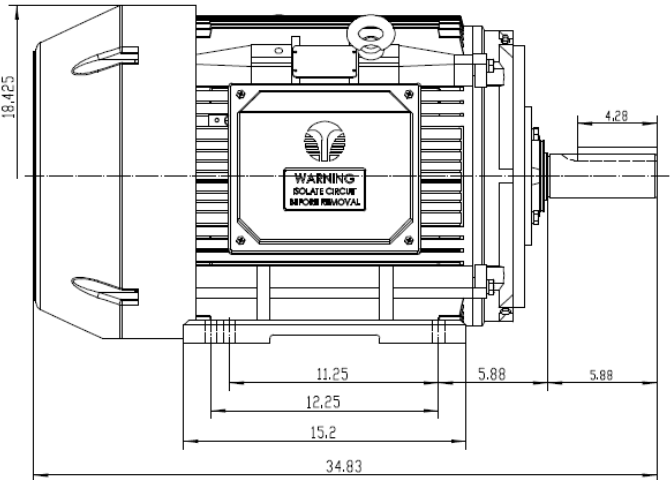
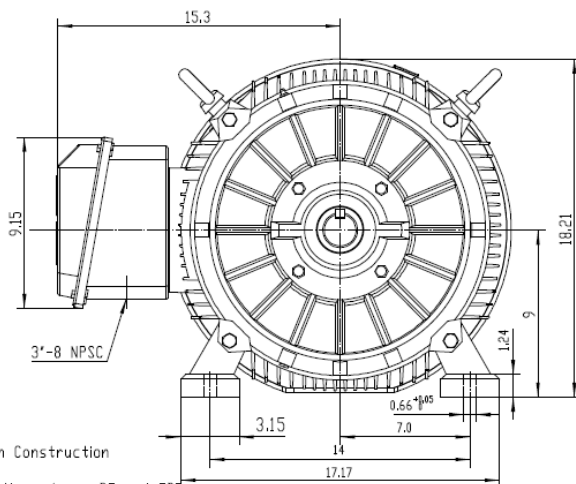
Hazardous Location	CL1 Div2 Grp A,B,C,D	Bearing NDE Side	6313 C3
		Moment of Inertia	-- kg.m2
		Noise Level	Per NEMA dB (A)

CT VFD Range	--	Loaded Torque Curves	--
$P1 = \text{INPUT POWER (KW)}$, $S = \text{Slip (\% of Sync RPM)}$, $\eta = \text{Efficiency (\%)}$, $\cos\phi = \text{Power Factor}$			

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



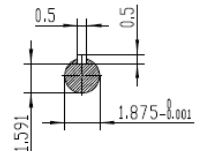
NOTES:

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-6-BR-E-50	MFG PN	T365T50U6B
NEMA	50	SER #	1603102042
HP	50	DATE	06/04/02
RPM	1180	DESIGN	B
VOLT(3Ø)	480	FRAME	365T
FLA	60.5	ENCL	TEFC
SF	1.15	IP	55
KVA CODE	G	DUTY	Cont.
NOM EFF	0.941	INS CL	H
WEIGHT		AMB	40 °C
VFD 15:1 CT-1.0 SF		WEIGHT	824.7 lbs
MADE IN CHINA		200405	

CONNECTIONS

T1 T2 T3



ShangHai HIMAK Electrical Machinery CO.,LTD

Design	Standard
Checker	Allow
Auditing	Date

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

NO: CY258.A20.006

STEP MARK 1:5 SORT Cast iron Motor