



Model Number

SD3-324T-4-BR-E-40-460-60

MFG PN

T324T40U4B

List Price

--

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	40 HP	Frame Size	324
Rated Motor Speed	1770 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	534.8
Rated Motor Current	45.7 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	G	Insulation Class	F
Nominal Efficiency	94.1 %	Tropicalization	YES
Nominal Power Factor	0.87 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	161.19 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	58.7	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)
Locked Rotor	-	200	279.7	40
Breakdown	-	228	-	Rated Altitude (M)
Pull Up	-	133	-	1000
125% of FL	1763	-	57.16	Coating
75% of FL	1780	-	34.63	7024 - Graphite Grey
50% of FL	1787	-	25.15	Shaft Grounding
No Load	--	-	13.5	YES

Mechanical Data

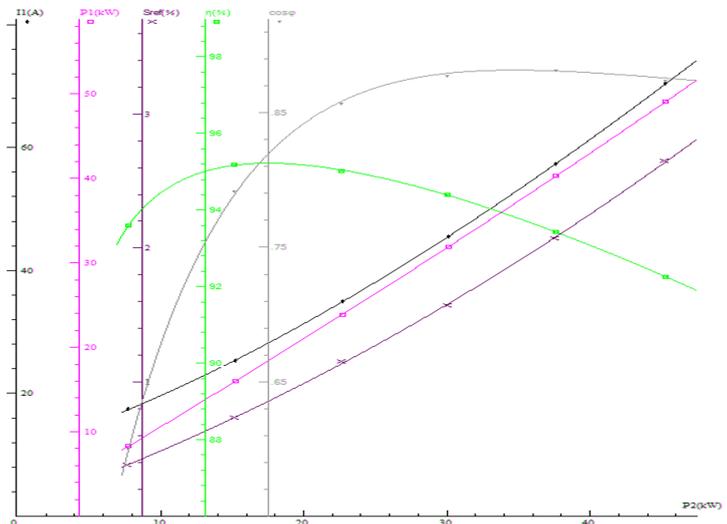
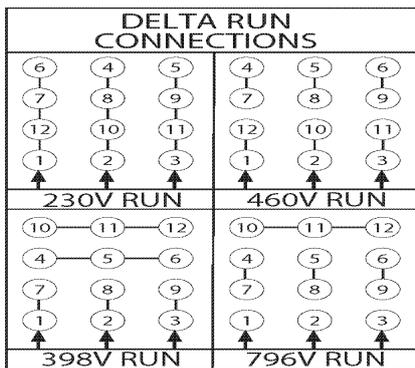
Hazardous Location	CL1 Div2 Grp A,B,C,D	Bearing DE Side	6312 C3
		Bearing NDE Side	6312 C3
		Moment of Inertia	-- kg.m2
		Noise Level	Per NEMA dB (A)

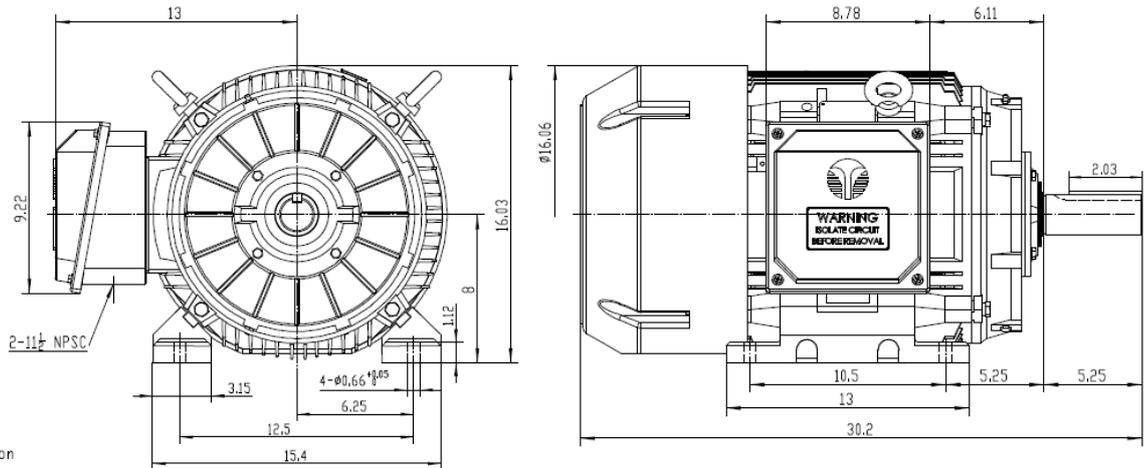
Loaded Torque Curves

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 12 Lead Dual Voltage

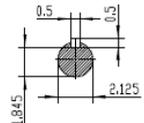
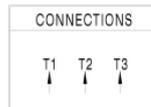




NOTES:

1. All Cast Iron Construction
2. Design B
3. IP55 Labyrinth seals on DE and DDE
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	
MODEL: SD3-324T-4-BR-E-25		50 Hz		MFG PN: T 324T25J0B	
NEMA 324T		60 Hz		SER # 1603102033	
HP	25	25	DATE	0688202	
RPM	1175	960	DESIGN	B	
VOLTS	480	380	FRAME	324T	
FLA	31.9	40.0	ENCL	TEFC	
SF	1.25	1	IP	55	
KVA CODE	G	C	DUTY	Cont.	
NOM EFF	0.930		INS CL	H	
ARC ARRESTOR CODE: VFD 16:1 CT-1.0 SF		WEIGHT		532.4 lbs	
		MADE IN CHINA			



 Shanghai HIMAK Electrical Machinery CO., LTD		NEMA TEFC 324T-25HP-6P	
		IEEE-841 UNITS:INCH	
Design	Standard	NO:	CY257.A20.003
Checker	Allow	STEP MARK	1:5 SORT Cast iron Motor
Auditing	Date		