



Model Number

SD3-254T-4-BR-E-15-460-60

MFG PN

T254T15U4B

List Price

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All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

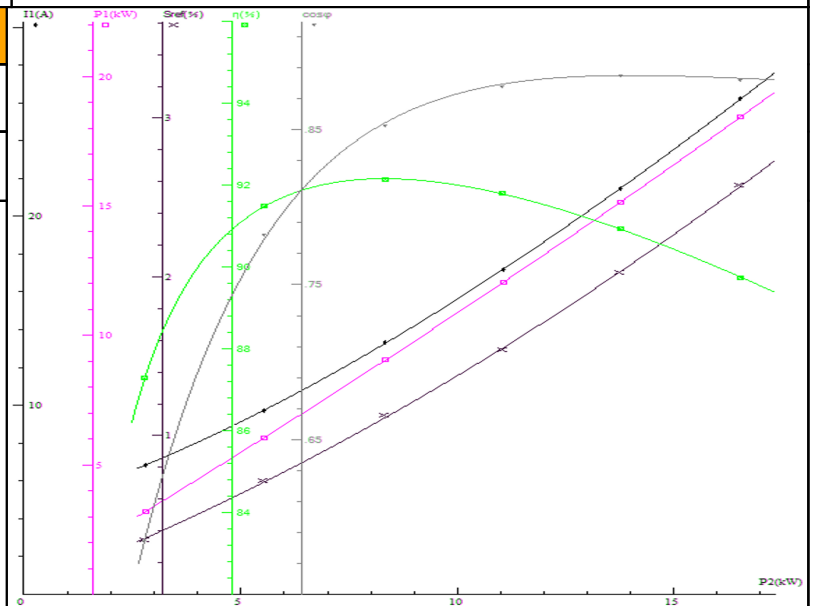
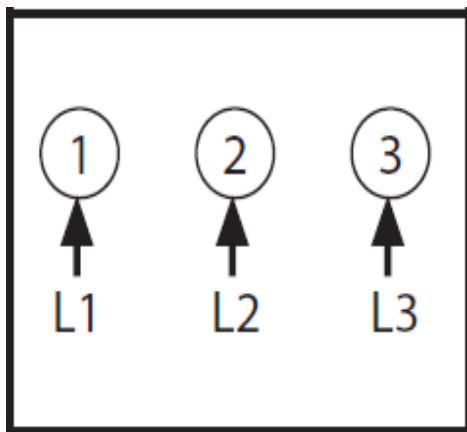
Rated Motor Output Power	15 HP	Frame Size	254
Rated Motor Speed	1770 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	265.3
Rated Motor Current	17.3 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	G	Insulation Class	F
Nominal Efficiency	92.4 %	Tropicalization	YES
Nominal Power Factor	0.88 cos ϕ	Duty	Cont.
Full Load Torque Ft-Lb	59.3 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	31.9	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

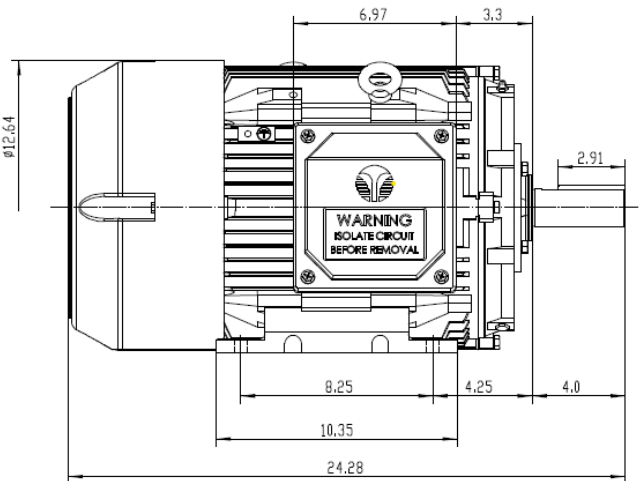
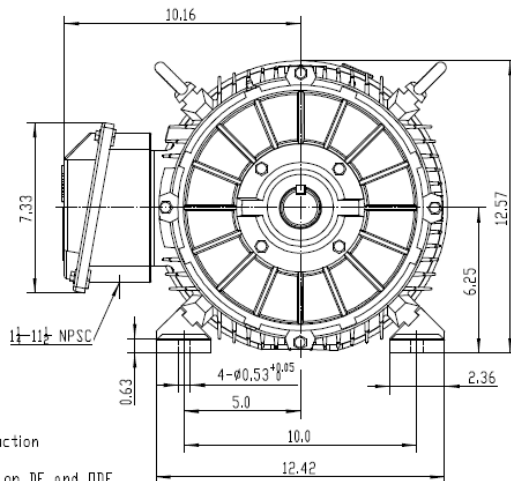
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	187	114.5	Rated Altitude (M)	1000
Breakdown	-	263	-	Coating	7024 - Graphite Grey
Pull Up	-	119	-	Shaft Grounding	YES
125% of FL	1763	-	21.44	Brake Voltage (DC)	--
75% of FL	1780	-	13.16	Brake Torque (N-M)	--
50% of FL	9.7	-	--	Mechanical Data	
No Load	1796	-	5.51	Bearing DE Side	6309 C3

Hazardous Location	CL1 Div2 Grp A,B,C,D	Bearing NDE Side	6309 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 (%), cos ϕ = Power Factor			

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A
Wiring Diagram	3PH Single Voltage SD3		





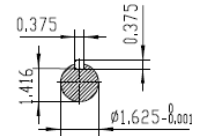
NOTES:

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. Regreaseable 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 SD3-254T-4-BR-E-7.5		TECHTOP.COM	
NEMA 254T	HP 7.5	50 Hz 7.5	MFG PN T254T15U4B
	RPM 1175	955	SER # 1603102022
	VOLT(3Ø) 480	3Ø 3Ø	DATE 0688002
	FLA 10.3	12.0	DESIGN B
	SF 1.25	1	FRAME 254T
	KVA CODE H	F	ENCL TEFC
	NOM EFF 0.910		IP 55
WARNING: ARC FLASH HAZARD		DUTY Cont.	CE
VFD 15:1 CT-1.0 SF		INS CL H	UL
		AMB 40 °C	224493
		WEIGHT 283.9 lbs	MADE IN CHINA

CONNECTIONS

T1 T2 T3



ShangHai HIMAK Electrical Machinery CO., LTD

Design	Standard
Checker	Allow
Auditing	Date

NEMA TEFC 254T-7.5HP-6P
IEEE-841 UNITS:INCH

NO: CY255.A20.003

STEP MARK 1:4 SORT Cast iron Motor