



Model Number

SD3-324TSC-2-BR-E-40-460-60

MFG PN

T324TS40U2B

List Price

--

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

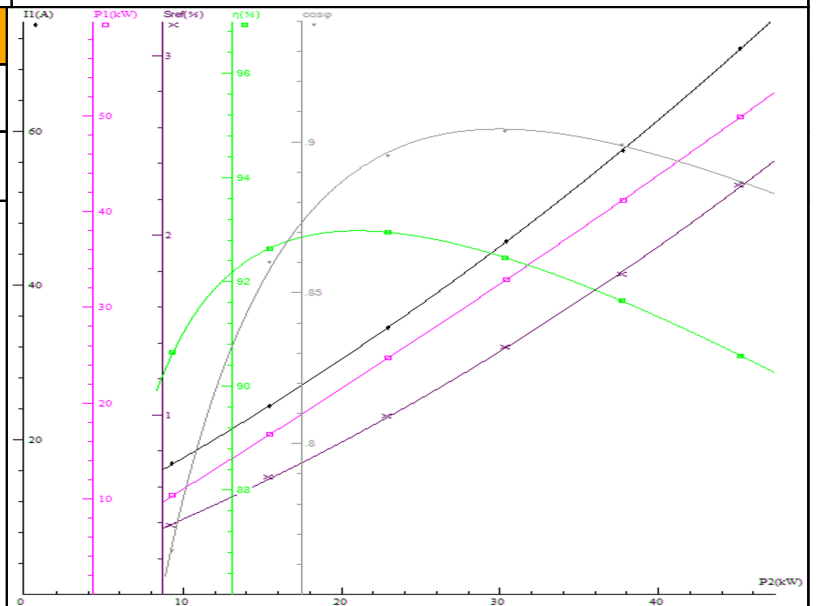
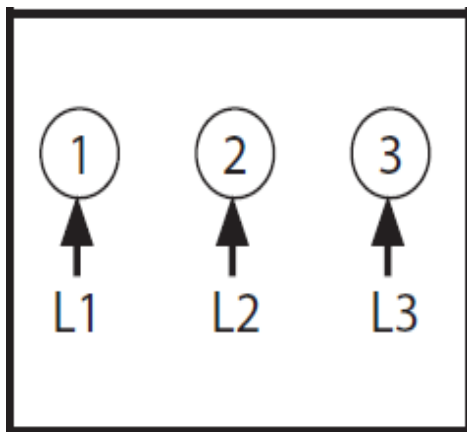
Rated Motor Output Power	40 HP	Frame Size	324
Rated Motor Speed	3550 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	517.66
Rated Motor Current	45 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	G	Insulation Class	F
Nominal Efficiency	92.4 %	Tropicalization	YES
Nominal Power Factor	0.9 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	80.17 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	62.4	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	228	313.8	Rated Altitude (M)	1000
Breakdown	-	238	-	Coating	7024 - Graphite Grey
Pull Up	-	126	-	Shaft Grounding	YES
125% of FL	3536	-	57.12	Brake Voltage (DC)	--
75% of FL	3565	-	33.92	Brake Torque (N-M)	--
50% of FL	3578	-	23.83	Mechanical Data	
No Load	--	-	10.01	Bearing DE Side	6312 C3

Hazardous Location	CL1 Div2 Grp A,B,C,D	Bearing NDE Side	6312 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

FRAME: 324TSC HP: RPM: PHASE: 3 VOLT: 208 - 230/460V ENCL: TEFC FREQ: 60 Hz FLA: LRA:

