



Model Number

GR3-CI-TF-324TS-2-BR-F-40-575-60

MFG PN

T324TS40U2B

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	40 HP
Rated Motor Speed	3555 r/min
Rated Motor Voltage (3 Phase)	575-60 Volts - HZ
Rated Motor Current	36.4 Amps
Service Factor	1.25
KVA Code	H
Nominal Efficiency	92.4 %
Nominal Power Factor	0.89 cos ϕ
Full Load Torque Ft-Lb	59.67184 Ft-Lb
Temp Rise @ Full Load °C	65.8
Efficiency Level	IE3 - NEMA Premium

Frame Size	324
Enclosure	TEFC
Approximate Weight	484
NEMA Design	A
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	1.25
Feet Removable	YES
Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps
Locked Rotor	-	235	275
Breakdown	-	289	-
Pull Up	-	235	-
125% of FL	3542	-	45.49
75% of FL	3568	-	28
50% of FL	3579	-	20.3
No Load	--	-	9.98

Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	NO
Brake Voltage (DC)	--
Brake Torque (N-M)	--

Mechanical Data

Bearing DE Side	6312 C3
Bearing NDE Side	6312 C3
Moment of Inertia	-- kg.m2
Noise Level	Per NEMA dB (A)

Hazardous Location	Class 1, Div 2, Grp A,B,C,D
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Loaded Torque Curves

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CT VFD Range

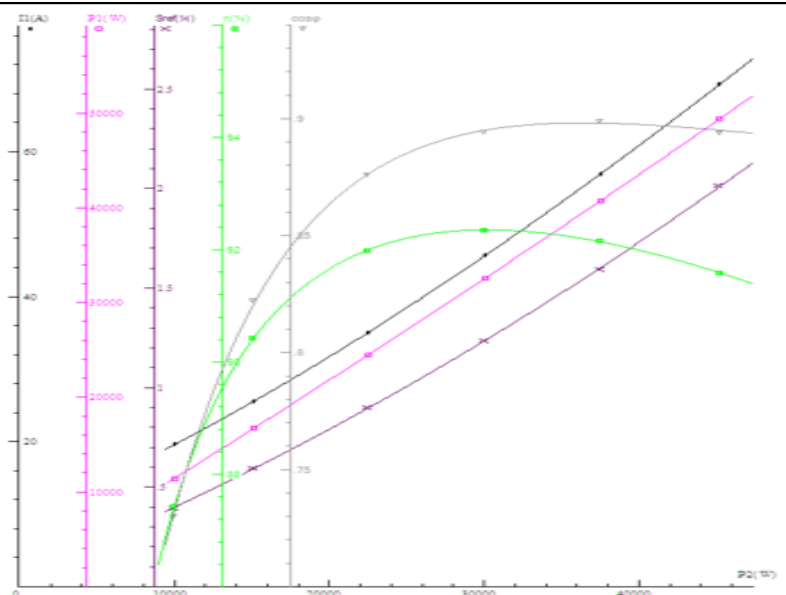
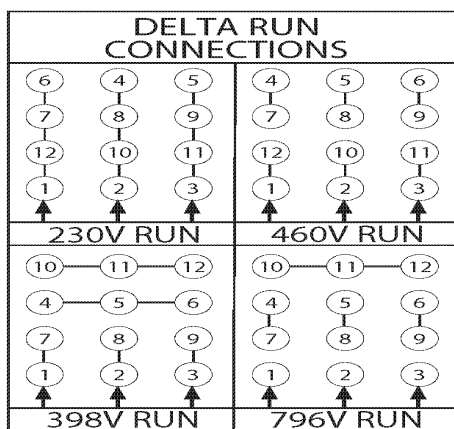
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P_1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), $\cos\phi$ = Power Factor

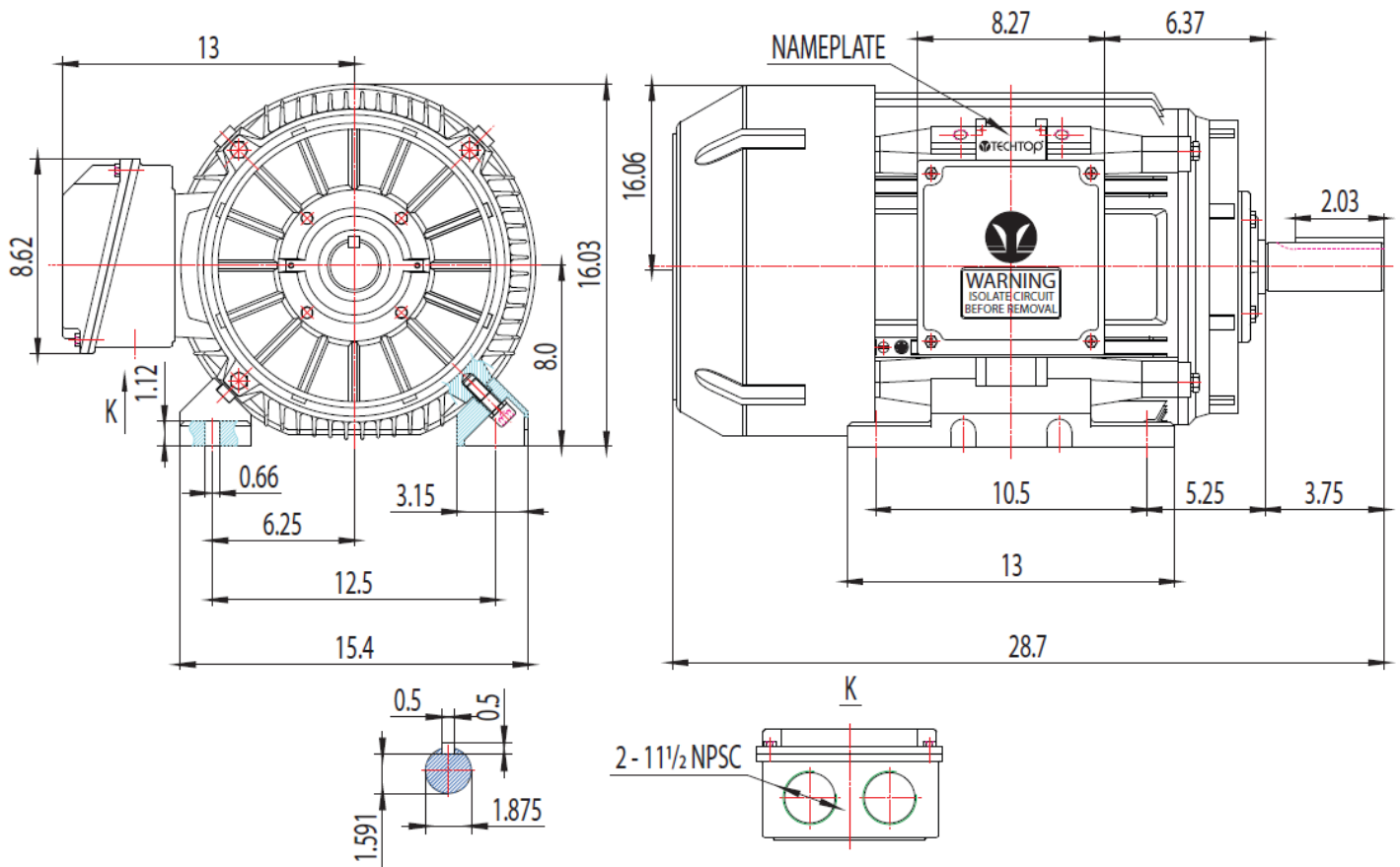
Certifications	UL	CSA	DOE
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File Numbers	323353	224693	096A
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Wiring Diagram 3PH 12 Lead Dual Voltage



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



MATERIAL: ALUMINUM
UNITS: INCH BY: SSEE
DRAWN: 10/1/2018
WWW.TECHTOP.COM

MODEL NUMBER:
GR3-CI-TF-324TS
MFG PN:

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES