



Model Number

SD3-256TC-4-BR-E-20-460-60

MFG PN

T256T20U4B

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	20 HP	Frame Size	256
Rated Motor Speed	1770 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	460-60 Volts - HZ	Approximate Weight	312.6
Rated Motor Current	22.9 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	G	Insulation Class	F
Nominal Efficiency	93 %	Tropicalization	YES
Nominal Power Factor	0.88 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	80.83 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	47.8	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

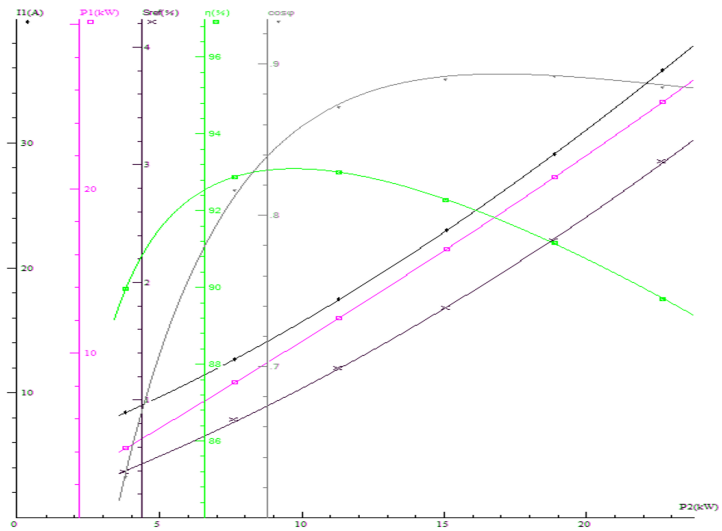
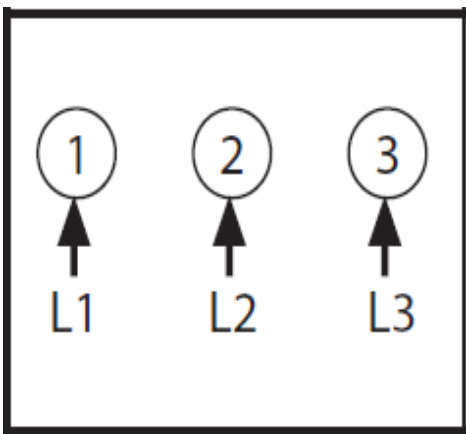
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	185	146.7	Rated Altitude (M)	1000
Breakdown	-	260	-	Coating	7024 - Graphite Grey
Pull Up	-	127	-	Shaft Grounding	YES
125% of FL	1757	-	28.91	Brake Voltage (DC)	--
75% of FL	1777	-	17.38	Brake Torque (N-M)	--
50% of FL	1785	-	12.53	Mechanical Data	
No Load	1794	-	6.58	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)

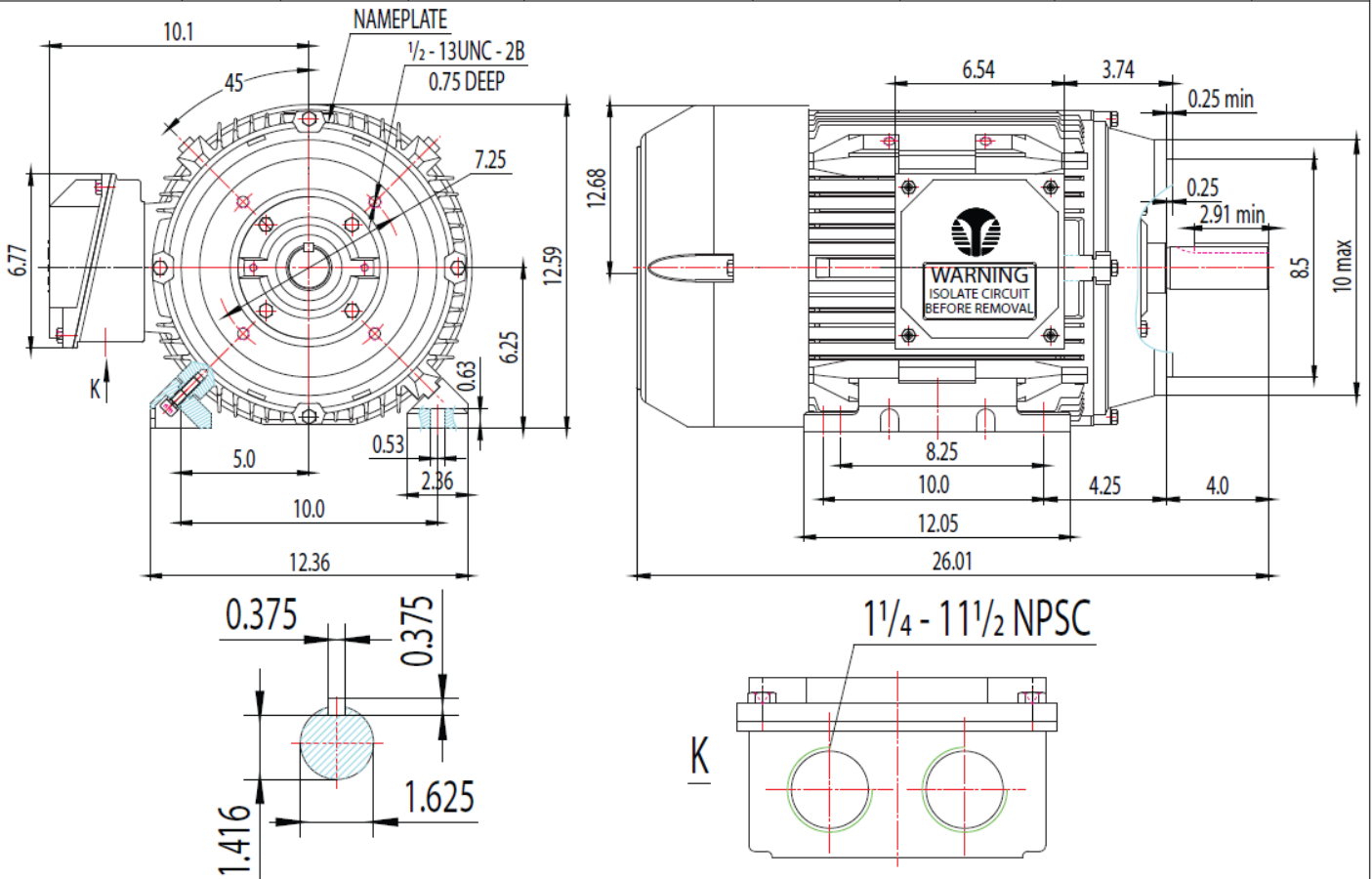
CT VFD Range	--	Loaded Torque Curves		--
<p>P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor</p>				

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A

Wiring Diagram 3PH Single Voltage SD3



FRAME: 256TC | HP: | RPM: | PHASE: 3 | VOLT: 208 - 230/460V | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA:



MODEL NUMBER:
GR3-CI-TF-256TC
MFG PN:

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

MATERIAL:
UNITS: INCH | BY: SSEE
DRAWN: 6/26/2018
WWW.TECHTOP.COM