



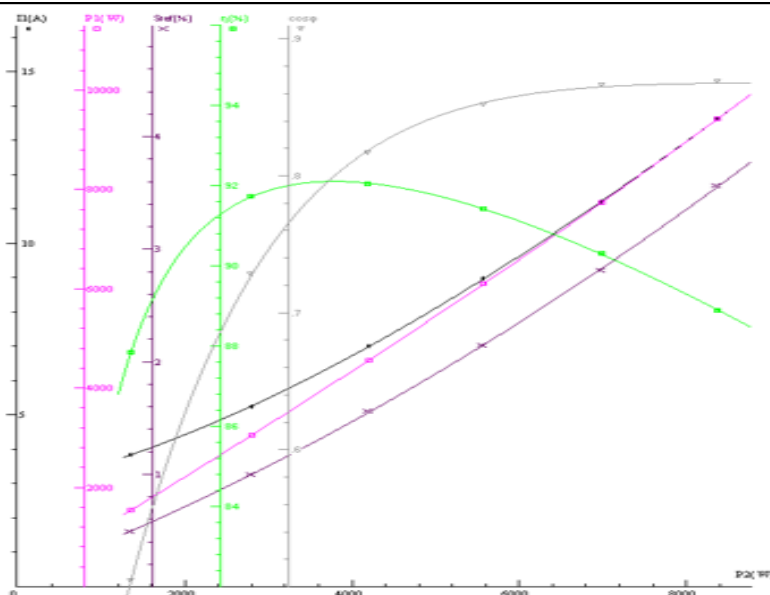
Model Number GR3-RS-OP-213TC-4-B-D-7.5-230|460-60

MFG PN TXD213T7.5U4B

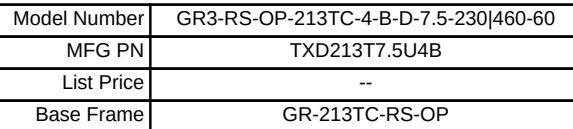
List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power		7.5 HP		Frame Size	213
Rated Motor Speed		1755 r/min		Enclosure	ODP
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ		Approximate Weight	180.4
Rated Motor Current		18.2/9.10 Amps		NEMA Design	B
Service Factor		1.25		IP Rating	56
KVA Code		K		Insulation Class	H
Nominal Efficiency		91 %		Tropicalization	YES
Nominal Power Factor		0.85 cosθ		Duty	Cont. / S1
Full Load Torque Ft-Lb		22.4 Ft-Lb		Cable Entry	1-NPT 1"
Temp Rise @ Full Load °C		45		Feet Removable	YES
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	223	75.18	Rated Altitude (M)	1000
Breakdown	-	299	-	Coating	7024 - Graphite Grey
Pull Up	-	160	-	Shaft Grounding	NO
125% of FL	1748	-	11.45	Brake Voltage (DC)	--
75% of FL	1772	-	7.18	Brake Torque (N-M)	--
50% of FL	1782	-	5.4	Mechanical Data	
No Load	--	-	3.5	Bearing DE Side	6306ZZ
Hazardous Location	--			Bearing NDE Side	6306ZZ
				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 9 Lead Dual Voltage				
3 Phase - YY/Y - 9 Lead 4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom CONNECTIONS 4 5 6 7 8 9 1 2 3 LOW VOLTAGE 4 5 6 7 8 9 1 2 3 HIGH VOLTAGE					

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



Technical drawing of the 100W 24VDC motor, showing front, side, and detail views with dimensions in inches.

Front View Dimensions:

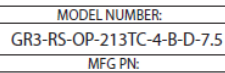
- Total width: 18
- Total height: $\varnothing 10.05$
- Base width: 8.5
- Base height: 0.433
- Motor body width: 5.5
- Motor body height: 5.16
- Terminal block width: 3.5
- Terminal block height: 3.375
- Terminal block mounting flange width: 2.41
- Terminal block mounting flange height: 0.25
- Terminal block mounting flange thickness: 0.25

Side View Dimensions:

- Total width: 12.2
- Total height: 12.4
- Motor body width: 7.15
- Motor body height: 5.95
- Motor body mounting flange width: 4.25
- Motor body mounting flange height: 0.59
- Motor body mounting flange thickness: 0.25
- Motor body mounting flange diameter: $\varnothing 7.25$
- Motor body mounting flange angle: 45°
- Motor body mounting flange thread: $4 \times \frac{1}{2} - 13 \text{UNC}$
- Motor body mounting flange thread: $1 - 11\frac{1}{2} \text{NPT}$

Detail View Dimensions:

- Detail view shows a circular feature with a diameter of $\varnothing 1.375$ and a height of 1.201.
- Detail view shows a rectangular feature with dimensions 0.312×0.312 .



REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

MATERIAL: ALUMINUM	
UNITS: INCH	BY: SSEE
DRAWN: 6/13/2018	
WWW.TECHTOP.COM	

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