



Model Number WX3-AL-TF-213TC-4-B-D-7.5-230|460-60

MFG PN T213T7.5U4B

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	1765 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	--
Rated Motor Current	17.7/8.86 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	L	Insulation Class	F
Nominal Efficiency	91.7 %	Tropicalization	YES
Nominal Power Factor	0.85 cos θ	Duty	Cont.
Full Load Torque Ft-Lb	22.0557152 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	37.3	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	
Locked Rotor	-	259	89.99	Rated Altitude (M)	1000
Breakdown	-	403	-	Coating	7024 - Graphite Grey
Pull Up	-	197	-	Shaft Grounding	NO
125% of FL	1760.9	-	9.9261	Brake Voltage (DC)	--
75% of FL	1772.2	-	7.1462	Brake Torque (N-M)	--
50% of FL	1755.2	-	5.6169	Mechanical Data	
No Load	--	-	3.916	Bearing DE Side	6308ZZ

Hazardous Location	Class 1, Div2, Grp A,B,C,D			Bearing NDE Side	6308ZZ
				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

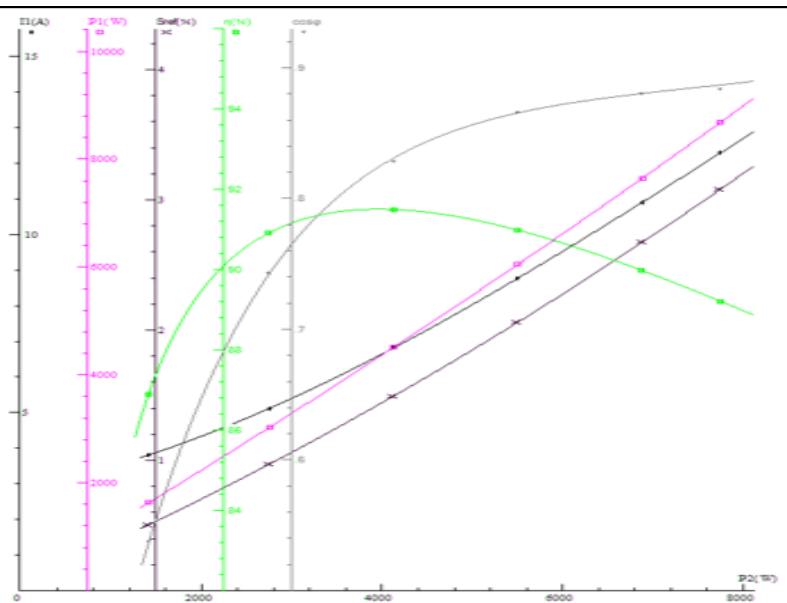
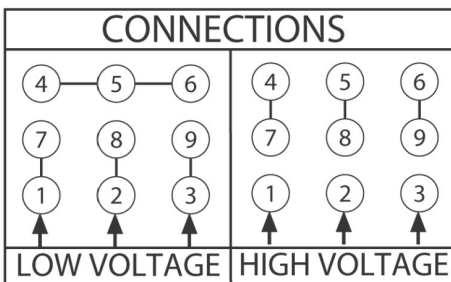
Wiring Diagram	3PH 9 Lead Dual Voltage
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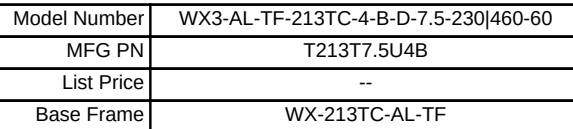
3 Phase - YY/Y - 9 Lead

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





Technical drawing of the 1000 Series 1/2 HP Motor, showing front and top views with dimensions in inches.

Front View Dimensions:

- Overall width: 19
- Overall height: 10.3
- Motor body width: 8.85
- Motor body height: 7
- Terminal box width: 5.5
- Terminal box height: 5.1
- Terminal box mounting flange width: 3.5
- Terminal box mounting flange height: 3.375
- Terminal box mounting flange thickness: 0.25
- Terminal box mounting flange diameter: $\varnothing 8.5$
- Terminal box mounting flange hole diameter: 0.472
- Terminal box mounting flange hole spacing: 1.8
- Terminal box mounting flange hole diameter: $\varnothing 1.375$
- Terminal box mounting flange hole spacing: 0.312 x 0.312
- Terminal box mounting flange hole diameter: 1.201

Top View Dimensions:

- Overall width: 10.3
- Overall height: 10.4
- Motor body width: 8.5
- Motor body height: 5.25
- Terminal box width: 4.25
- Terminal box height: 0.63
- Terminal box mounting flange width: 6.1
- Terminal box mounting flange height: 7.4
- Terminal box mounting flange thickness: 0.25
- Terminal box mounting flange diameter: $\varnothing 7.25$
- Terminal box mounting flange hole diameter: 1-11 1/2 NPT
- Terminal box mounting flange hole spacing: 45°
- Terminal box mounting flange hole diameter: 4 x 1/2 - 13 UNC



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