



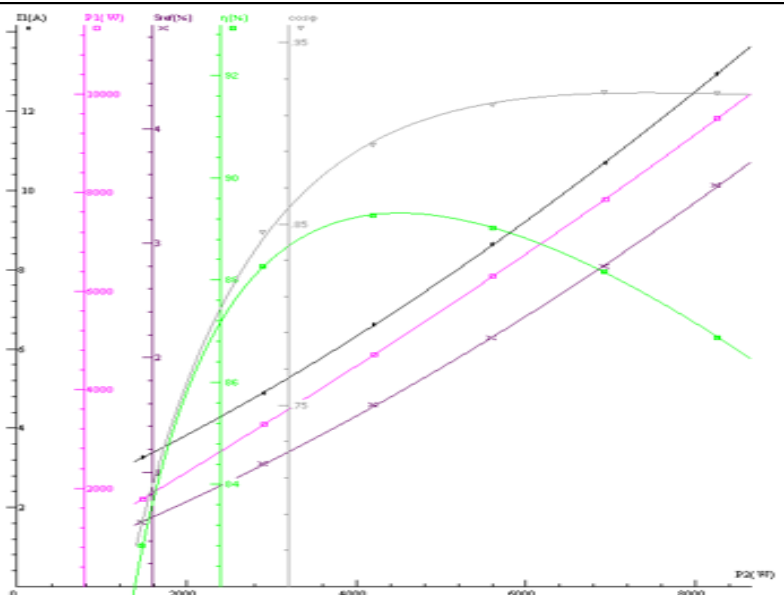
Model Number GR3-AL-TF-213JP-2-B-D-7.5-230|460-60

MFG PN TFC213T7.5U2B

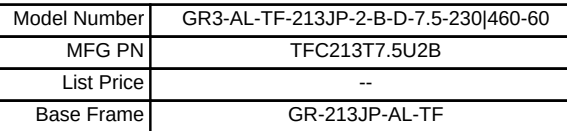
List Price --

All data shown at HIGH voltage setting

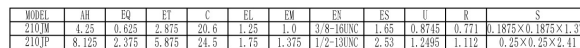
Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power		7.5 HP		Frame Size	213
Rated Motor Speed		3520 r/min		Enclosure	TEFC
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ		Approximate Weight	132
Rated Motor Current		17.4/8.7 Amps		NEMA Design	A
Service Factor		1.25		IP Rating	55
KVA Code		J		Insulation Class	F
Nominal Efficiency		89.5 %		Tropicalization	YES
Nominal Power Factor		0.9 cosθ		Duty	Cont.
Full Load Torque Ft-Lb		10.982864 Ft-Lb		Cable Entry	1.25
Temp Rise @ Full Load °C		51.5		Feet Removable	YES
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	213	73	Rated Altitude (M)	1000
Breakdown	-	319	-	Coating	7024 - Graphite Grey
Pull Up	-	127	-	Shaft Grounding	NO
125% of FL	3500	-	10.61	Brake Voltage (DC)	
75% of FL	3544	-	6.4	Brake Torque (N-M)	
50% of FL	3564	-	4.7	Mechanical Data	
No Load	3586	-	2.34	Bearing DE Side	6308ZZ
Hazardous Location	Class 1, Div 2, 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 (%), 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



FRAME:	HP:	RPM:	PHASE:	VOLT:	ENCL:	FREQ:	FLA:	LRA:
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	MODEL: NEMA210JW-JP	SCALE: 1:2.5	DATE:	UNITS:	
	REV.DESC:	VERSION:	REVISED:	BY:	WWW.TECHTOP.COM