



Model Number GR3-AL-TF-143JP-2-B-D-1.5-230|460-60

MFG PN T143T1.5U2B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data		General Data	
Rated Motor Output Power	1.5 HP	Frame Size	143
Rated Motor Speed	3500 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	41.8
Rated Motor Current	4.12/2.06 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	55
KVA Code	K	Insulation Class	F
Nominal Efficiency	84 %	Tropicalization	YES
Nominal Power Factor	0.84 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	2.227552 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	45.4	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

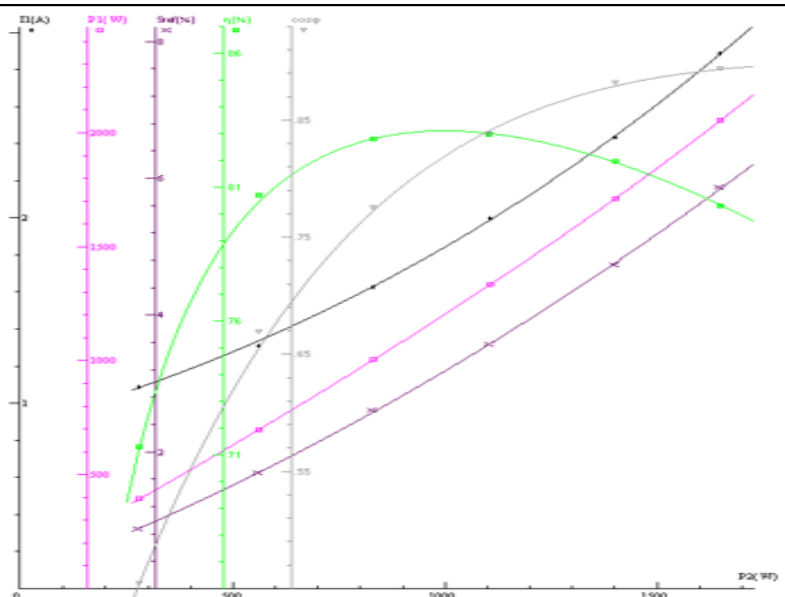
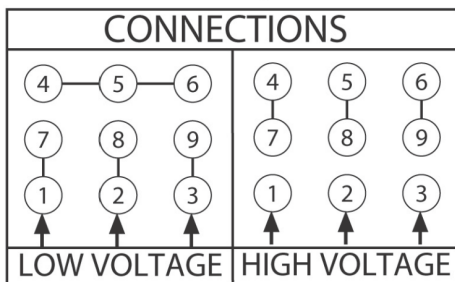
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	
Locked Rotor	-	312	15.73	40	
Breakdown	-	346	-	Rated Altitude (M)	
Pull Up	-	--	-	1000	
125% of FL	3432	-	2.39	Coating	
75% of FL	3508	-	1.62	7024 - Graphite Grey	
50% of FL	3540	-	1.32	Shaft Grounding	
No Load	--	-	1	NO	
				Brake Voltage (DC)	
				--	
				Brake Torque (N-M)	
				--	

Hazardous Location	Class 1, Div 2, Grp A,B,C,D	Bearing NDE Side	6205ZZ
		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		

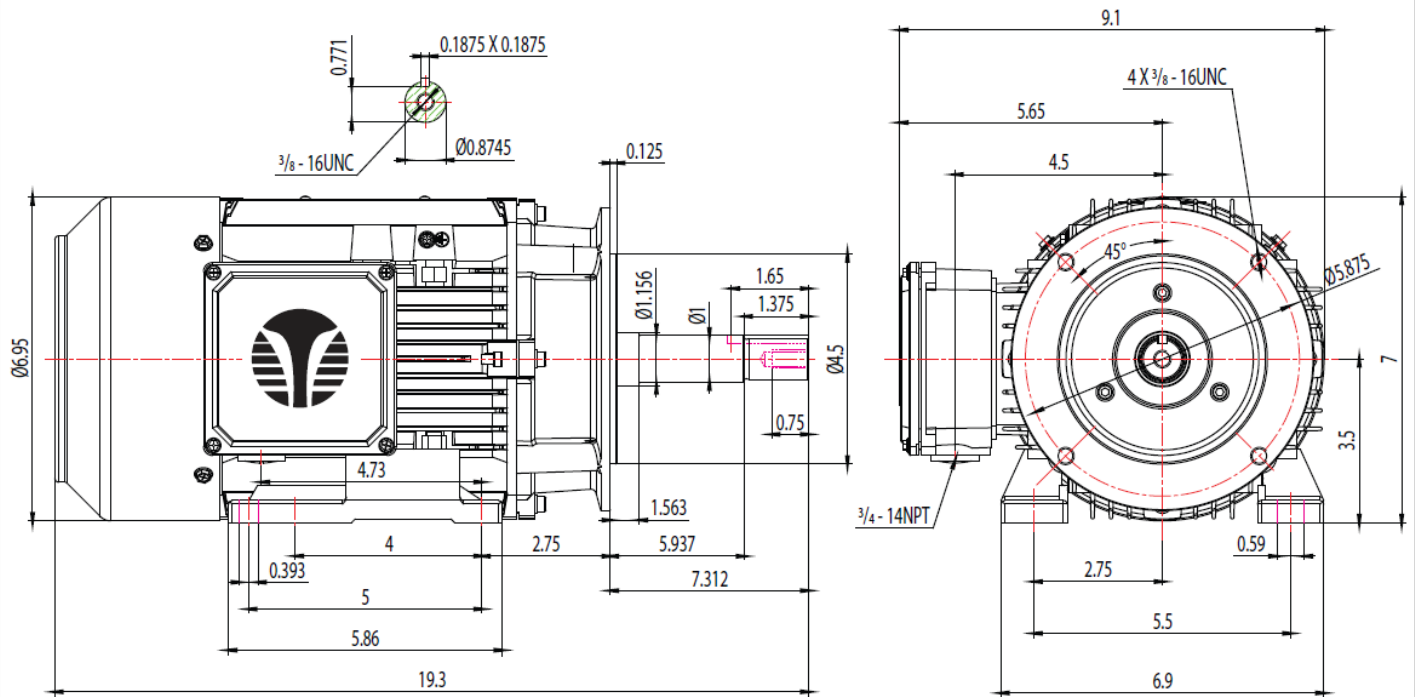
3 Phase - YY/Y - 9 Lead
 4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD
 Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom
 Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GR3-AL-TF-143JP-2-B-D-1.5-230 460-60
MFG PN	T143T1.5U2B
List Price	--
Base Frame	GR-143JP-AL-TF

FRAME: 143JP HP: RPM: PHASE: 3 VOLT: 115/208-230V ENCL: TEFC FREQ: 60 Hz FLA: LRA:



MATERIAL: ALUMINUM
UNITS: INCH BY: SSEE
DRAWN: 6/11/2018
WWW.TECHTOP.COM

MODEL NUMBER:
GR3-AL-TF-143JP
MFG PN:

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

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