



Model NumberGX3-AL-TF-143T-2-B-D-1-230|460-60

MFG PNT143T1U2B

List Price--

All data shown at HIGH voltage setting

FormatSTD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	1 HP
Rated Motor Speed	3490 r/min
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ
Rated Motor Current	3.12/1.5 Amps
Service Factor	1.25
KVA Code	k
Nominal Efficiency	77 %
Nominal Power Factor	0.83 cos θ
Full Load Torque Ft-Lb	1.497328 Ft-Lb
Temp Rise @ Full Load °C	40
Efficiency Level	IE3 - NEMA Premium

Frame Size	143
Enclosure	TEFC
Approximate Weight	22.44
NEMA Design	A
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	1.25
Feet Removable	YES
Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps
Locked Rotor	-	238	10.48
Breakdown	-	351	-
Pull Up	-	163	-
125% of FL	3480	-	1.77
75% of FL	3533	-	1.34
50% of FL	3556	-	1.2
No Load	3571	-	1.13

Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	Yes
Brake Voltage (DC)	--
Brake Torque (N-M)	--

Mechanical Data

Bearing DE Side	6205ZZ
Bearing NDE Side	6205ZZ
Moment of Inertia	-- kg.m2
Noise Level	Per NEMA dB (A)

Hazardous Location	Class 1, Div 2, Grp A,B,C,D
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Loaded Torque Curves

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CT VFD Range

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 P_1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), $\cos\phi$ = Power Factor

CertificationsULCSADOE

File Numbers323353224693096A

Wiring Diagram3PH 9 Lead Dual Voltage

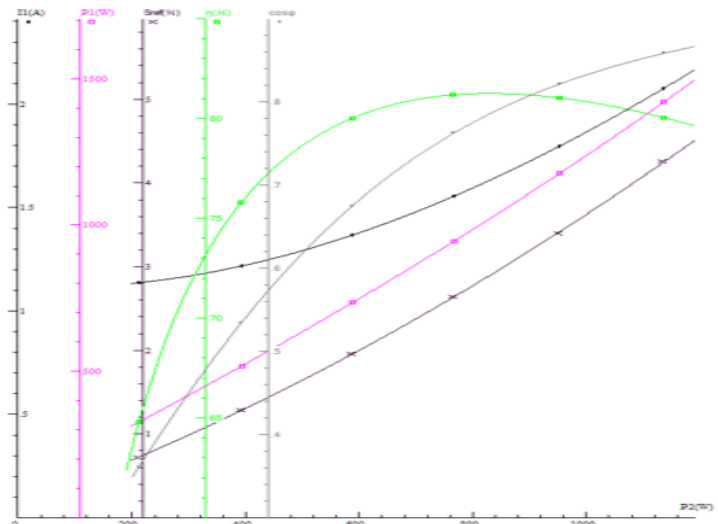
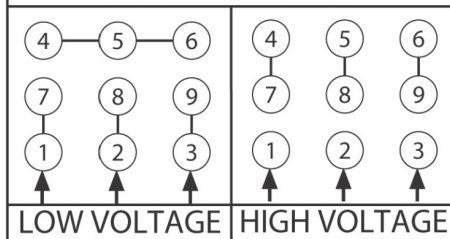
3 Phase - YY/Y - 9 Lead

4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD

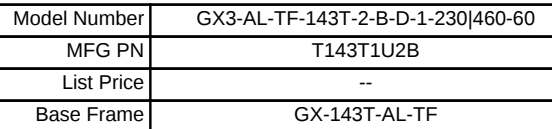
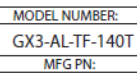
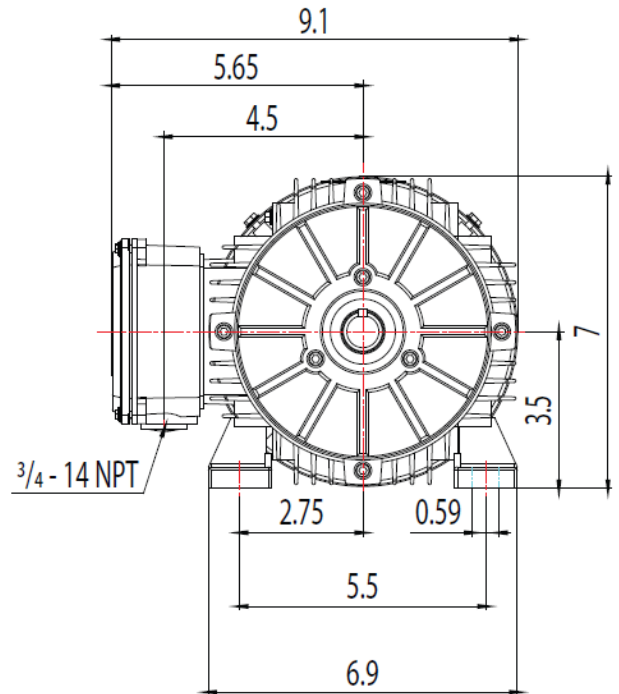
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom

CONNECTIONS



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

[illegible]

REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

MATERIAL: ALUMINUM	
UNITS: INCH	BY: SSEE
DRAWN: 11/16/2018	
WWW.TECHTOP.COM	

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