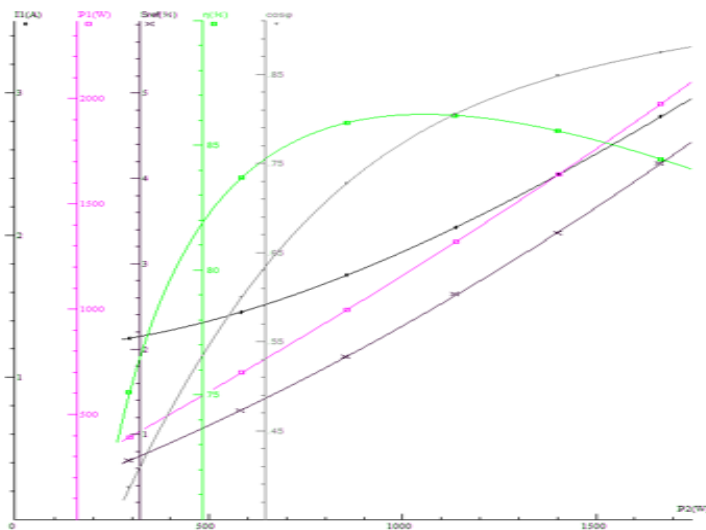
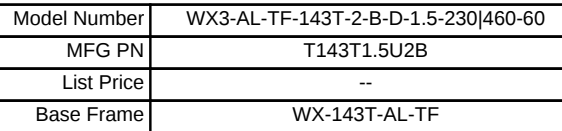


				Model Number		WX3-AL-TF-143T-2-B-D-1.5-230 460-60						
				MFG PN		T143T1.5U2B						
				List Price		--						
All data shown at HIGH voltage setting						Format		STD 3 Phase				
Electrical Data					General Data							
Rated Motor Output Power		1.5 HP			Frame Size		143					
Rated Motor Speed		3500 r/min			Enclosure		TEFC					
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ			Approximate Weight		27.5					
Rated Motor Current		4.12/2.06 Amps			NEMA Design		A					
Service Factor		1.25			IP Rating		55					
KVA Code		L			Insulation Class		F					
Nominal Efficiency		84 %			Tropicalization		YES					
Nominal Power Factor		0.8 cosθ			Duty		Cont.					
Full Load Torque Ft-Lb		2.183296 Ft-Lb			Cable Entry		1.25					
Temp Rise @ Full Load °C		35			Feet Removable		YES					
Efficiency Level		IE3 - NEMA Premium			Double Drilled		NO					
Load Data	RPM	Trq %FL		Current Amps	Rated Ambient (°C)		40					
Locked Rotor	-	328		18.22	Rated Altitude (M)		1000					
Breakdown	-	381		-	Coating		7024 - Graphite Grey					
Pull Up	-	228		-	Shaft Grounding		Yes					
125% of FL	3481	-		2.38	Brake Voltage (DC)		--					
75% of FL	3534	-		1.68	Brake Torque (N-M)		--					
50% of FL	3556	-		1.43	Mechanical Data							
No Load	--	-		1.22								
Hazardous Location	Class 1, Div 2, Grp A,B,C,D				Bearing DE Side		6205ZZ					
					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 CONNECTIONS 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 LOW VOLTAGE HIGH VOLTAGE												
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Technical drawing of the 1000 Series 1/2 HP Motor, showing three views: front, side, and end views. Dimensions are in inches.

Front View (Left):

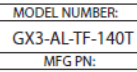
- Overall width: 13.7
- Overall height: $\varnothing 6.95$
- Base width: 5.86
- Base height: 5
- Motor body width: 4
- Motor body height: 4.73
- Terminal box width: 2.25
- Terminal box height: 2.25
- Terminal box mounting flange width: 1.41
- Terminal box mounting flange height: 0.393

Side View (Top):

- Terminal box mounting flange width: 0.1875
- Terminal box mounting flange height: 0.1875
- Terminal box mounting flange diameter: $\varnothing 0.875$
- Terminal box mounting flange thickness: 0.771

End View (Right):

- Overall width: 6.9
- Overall height: 7
- Base width: 5.5
- Base height: 3.5
- Motor body width: 4.5
- Motor body height: 5.65
- Motor body mounting flange width: 2.75
- Motor body mounting flange height: 0.59
- Motor body mounting flange diameter: $\frac{3}{4}$ - 14 NPT



REV.	BY	DATE
1		
2		
3		
4		
5		
6		
7		

CHANGES

MATERIAL: ALUMINUM	
UNITS: INCH	BY: SSEE
DRAWN: 11/16/2018	
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