



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-AL-TF-145TC-4-B-D-2
<b>FACTORY TYPE:</b>	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	2.0	2.0
Speed, RPM	1740	1425
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	5.58/2.79	6.64/3.32
Power Factor	0.78	-
Nominal Efficiency	86.5	83.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	G
FL Amps. @ 208 V	5.95	-
Locked Rotor Current	43.4988	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	33.5	27.0
3D Image Link		
Not available for this motor		

GENERAL DATA			
Frame Size	145TC		
Frame Enclosure	TEFC		
Mounting	Rigid/C-Flange		
Insulation Class	F		
Duty	Cont. / S1		
NEMA Design	B		
Frame Material	Cast Aluminum		
Ingress Protection	55		
Tropicalization	true		
Cable Entry	1-NPT 3/4"		
Feet Removable	true		
Double Drilled	-		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	39.5		
MECHANICAL DATA			
DE Bearing	6205ZZ		
NDE Bearing	6205ZZ		
dB No-Load	-		
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-		
Comp Ring (wavey washer)	-		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque		18.3478	303.0
Pull-Up Torque		12.898	213.0
Breakdown Torque		19.68	325.0
Full Load Torque		6.05539	100.0
SITE CONDITIONS			
Ambient Temp °C		40	
Altitude Above Sea Level m		1000	

\*This report valid for above Date Code and newer models, please contact Techttop for more info.



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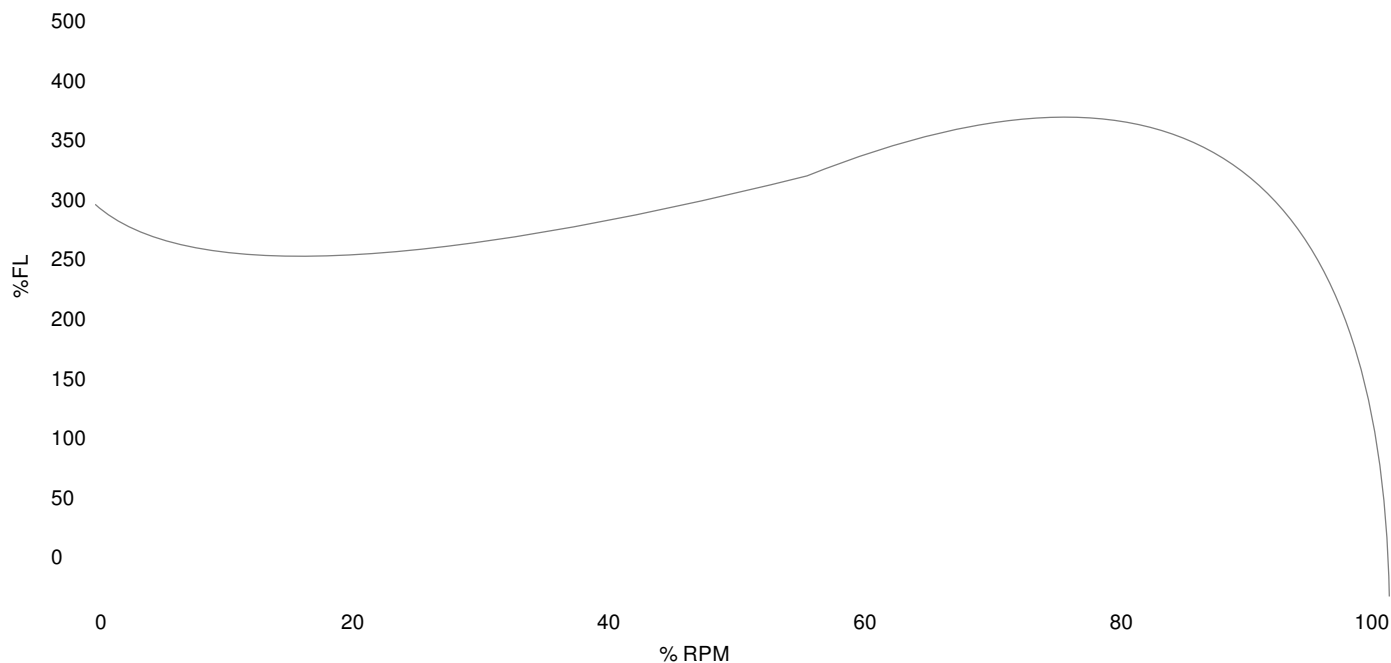
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Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 2.0HP, 1740 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	18.3478	303.0	Start Configuration
Pull-Up Torque	12.898	213.0	Starting Current (A)
Breakdown Torque	19.68	325.0	No-Load Current (A)
Full Load	6.05539	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	0.5	-	-	-	-	-
50	1.0	-	-	-	-	-
75	1.5	-	-	-	-	-
100	2.0	-	-	-	-	-
125	2.5	-	-	-	-	-

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