



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-AL-TF-56C-4-B-D-1
<b>FACTORY TYPE:</b>	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.0	1.0
Speed, RPM	1745	1430
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	3.18-3.18/1.59	3.56/1.78
Power Factor	0.69	-
Nominal Efficiency	85.5	83.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	3.18	-
Locked Rotor Current	12.1502	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	26.0	-
3D Image Link		
<a href="#">GR3-AL-TF-56C-4-B-D-1</a>		

GENERAL DATA			
Frame Size	56C		
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 1/2"		
Feet Removable	true		
Double Drilled	-		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	25.7		
MECHANICAL DATA			
DE Bearing	6204ZZ		
NDE Bearing	6204ZZ		
dB No-Load	-		
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-		
Comp Ring (wavy washer)	NDE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	11.4307	378.0	
Pull-Up Torque	10.9771	363.0	
Breakdown Torque	13.5778	449.0	
Full Load Torque	3.024	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



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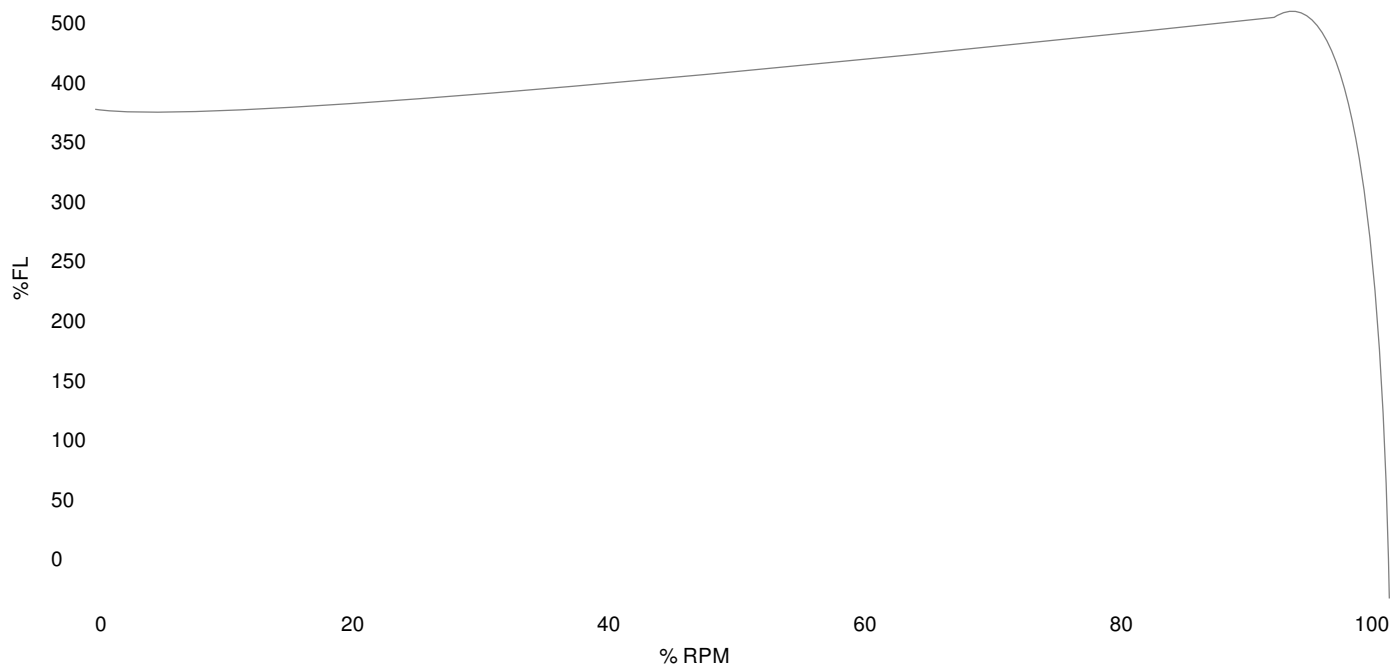
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Non Sinusoidal (VFD) Output 1.0HP, 1745 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	11.4307	378.0	Start Configuration
Pull-Up Torque	10.9771	363.0	Starting Current (A)
Breakdown Torque	13.5778	449.0	No-Load Current (A)
Full Load	3.024	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.12	-	-	-	-
25	0.25	-	-	-	-	-
50	0.5	-	-	-	-	-
75	0.75	-	-	-	-	-
100	1.0	-	-	-	-	-
125	1.25	-	-	-	-	-

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