



NEMA Premium

NEMA

MOTOR MODEL:	GR3-AL-TF-56C-4-B-D-.5
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	0.5	0.5
Speed, RPM	1750	1430
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	1.76-1.8/0.9	1.98/0.99
Power Factor	0.66	-
Nominal Efficiency	78.5	77.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	1.76	-
Locked Rotor Current	5.7694	-
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	25.4	-
3D Image Link		
GR3-AL-TF-56C-4-B-D-.5		

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	17.7		
MECHANICAL DATA			
DE Bearing	6204ZZ		
NDE Bearing	6204ZZ		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	-		
Comp Ring (wavy washer)	NDE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque		4.89889	324.0
Pull-Up Torque		4.12777	273.0
Breakdown Torque		5.65489	374.0
Full Load Torque		1.512	100.0
SITE CONDITIONS			
Ambient Temp °C		40	
Altitude Above Sea Level m		1000	



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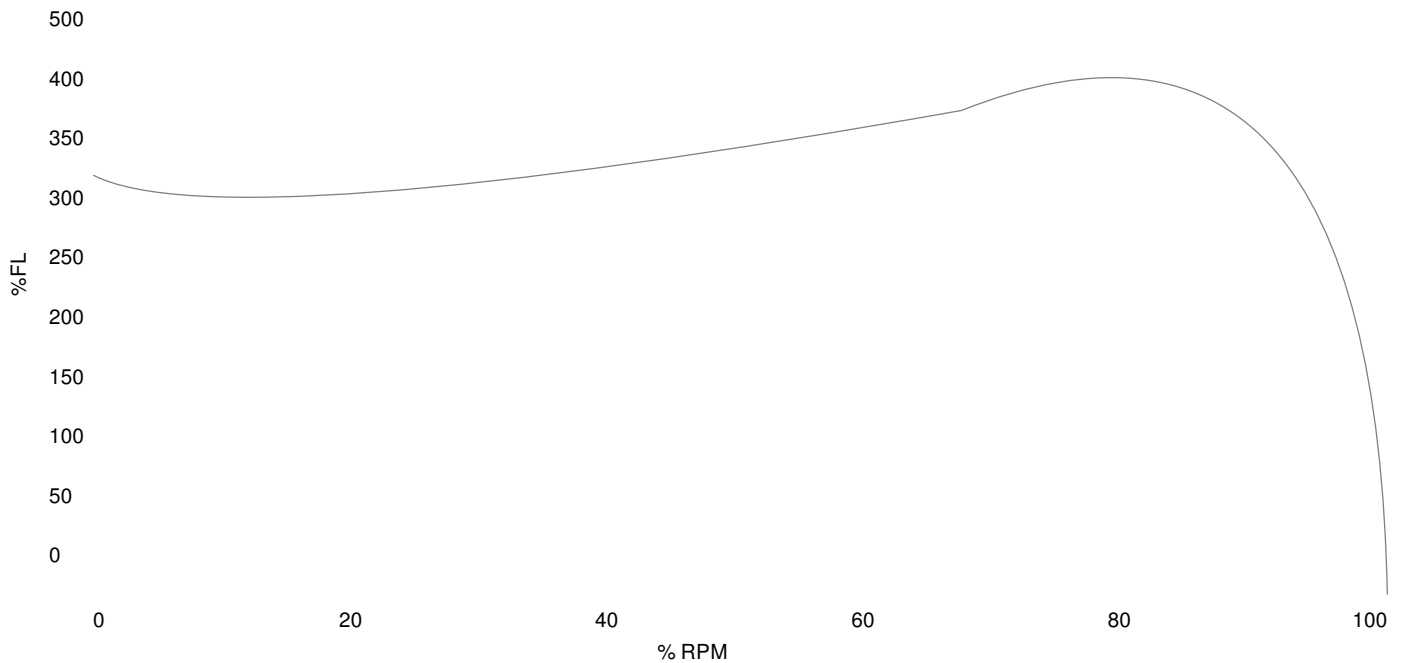
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Non Sinusoidal (VFD) Output 0.5HP, 1750 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	4.89889	324.0	Start Configuration
Pull-Up Torque	4.12777	273.0	Starting Current (A)
Breakdown Torque	5.65489	374.0	No-Load Current (A)
Full Load	1.512	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	0.72	-	-	-	-
25	0.125	-	-	-	-	-
50	0.25	-	-	-	-	-
75	0.375	-	-	-	-	-
100	0.5	-	-	-	-	-
125	0.625	-	-	-	-	-

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