



NEMA Premium

NEMA

MOTOR MODEL:	GR3-AL-TF-56C-4-B-D-.75
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	0.75	0.75
Speed, RPM	1750	1430
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	2.48-2.5/1.25	2.82/1.41
Power Factor	0.68	-
Nominal Efficiency	81.5	77.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	2.48	-
Locked Rotor Current	8.6528	-
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	29.7	-
3D Image Link		
GR3-AL-TF-56C-4-B-D-.75		

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	20.2		
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	7.7413	343.0	
Pull-Up Torque	6.5677	291.0	
Breakdown Torque	8.91491	395.0	
Full Load Torque	2.25694	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



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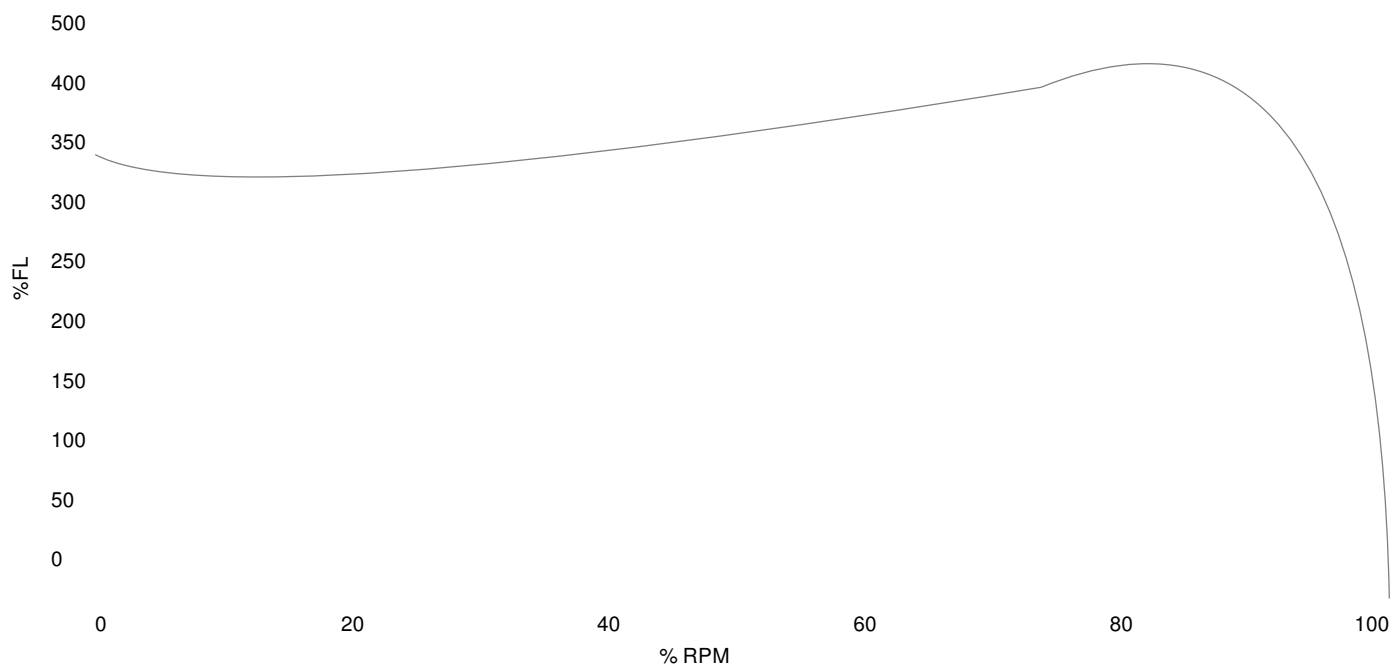
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Non Sinusoidal (VFD) Output 0.75HP, 1750 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	7.7413	343.0	Start Configuration
Pull-Up Torque	6.5677	291.0	Starting Current (A)
Breakdown Torque	8.91491	395.0	No-Load Current (A)
Full Load	2.25694	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	0.99	-	-	-	-
25	0.1875	-	-	-	-	-
50	0.375	-	-	-	-	-
75	0.5625	-	-	-	-	-
100	0.75	-	-	-	-	-
125	0.9375	-	-	-	-	-

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