



Pump Motors

NEMA

MOTOR MODEL:	GR3-AL-TF-56J-2-B-D-2
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	2.0	2.0
Speed, RPM	3500	2870
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	5.5-5.24/2.62	6.20/3.10
Power Factor	0.84	-
Nominal Efficiency	85.5	83.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	5.5	-
LRC @ 60Hz HV	24.4068	-
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	39.0	-
3D Image Link		
Not available for this motor		

GENERAL DATA				
Frame Size	56J			
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	26.5			
MECHANICAL DATA				
DE Bearing	6204ZZ			
NDE Bearing	6204ZZ			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavey washer)	NDE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque		10.6747	353.0	
Pull-Up Torque		8.92081	295.0	
Breakdown Torque		12.8218	424.0	
Full Load Torque		3.024	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 Techtop for more info.



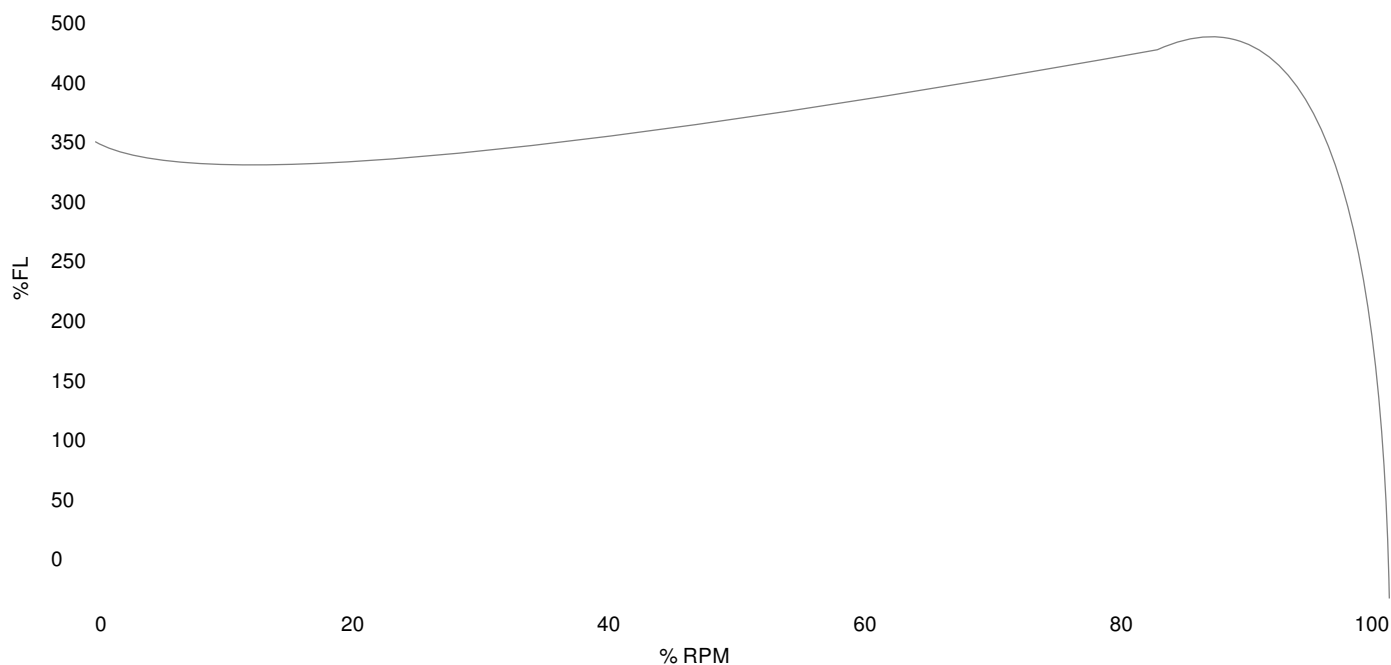
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	10.6747	353.0	Start Configuration
Pull-Up Torque	8.92081	295.0	Starting Current (A)
Breakdown Torque	12.8218	424.0	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	-	1.3	-	-	-	-
25	0.5	-	-	-	-	-
50	1.0	-	-	-	-	-
75	1.5	-	-	-	-	-
100	2.0	-	-	-	-	-
125	2.5	-	-	-	-	-

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