



## Pump Motors

# NEMA

<b>MOTOR MODEL:</b>	GR3-AL-TF-56J-2-B-D-1.5
<b>FACTORY TYPE:</b>	TXA

### Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.5	1.5
Speed, RPM	3500	2870
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	4.2-3.9/1.95	4.68/2.34
Power Factor	0.84	-
Nominal Efficiency	84.0	82.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	M	H
FL Amps. @ 208 V	4.2	-
Locked Rotor Current	19.0515	-
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	40.5	-
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	24.1	
MECHANICAL DATA		
DE Bearing	6204ZZ	
NDE Bearing	6204ZZ	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavey washer)	NDE	
TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	7.10862	316.0
Pull-Up Torque	6.05133	269.0
Breakdown Torque	8.36838	372.0
Full Load Torque	2.24956	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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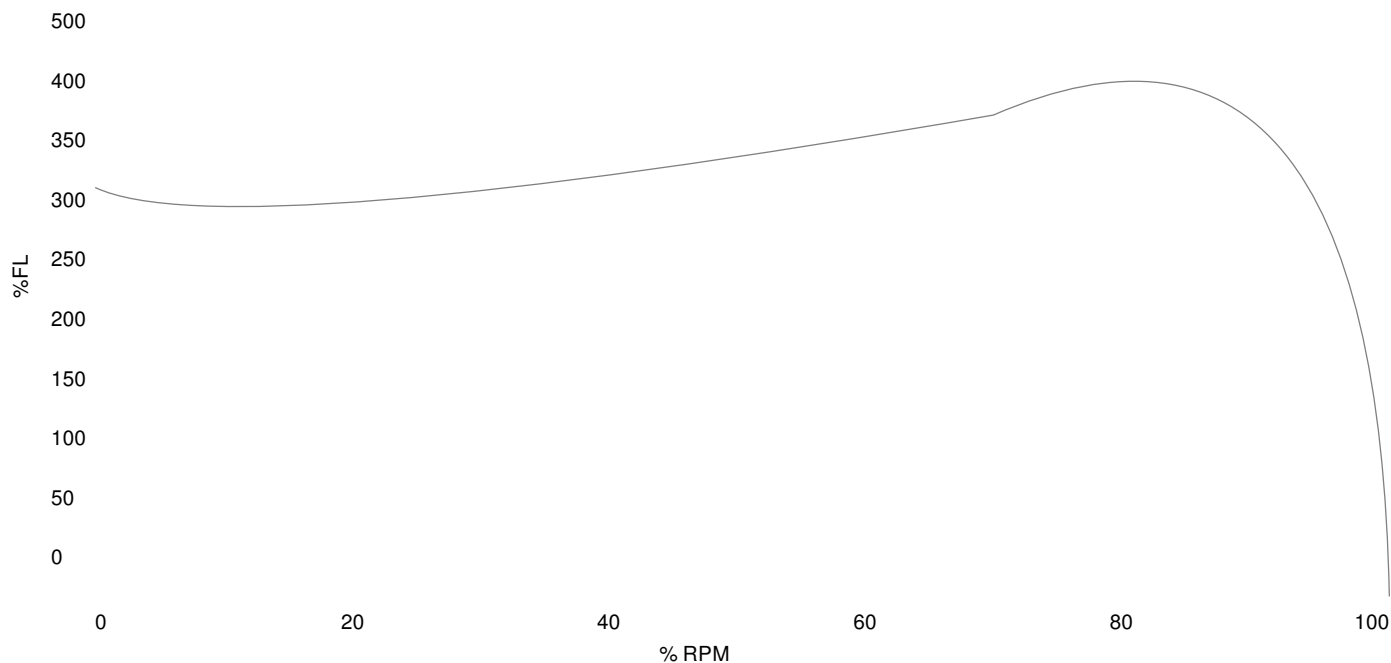
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<b>FACTORY TYPE:</b>	TXA

### Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 1.5HP, 3500 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	7.10862	316.0	Start Configuration
Pull-Up Torque	6.05133	269.0	Starting Current (A)
Breakdown Torque	8.36838	372.0	No-Load Current (A)
Full Load	2.24956	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	0.99	-	-	-	-
25	0.375	-	-	-	-	-
50	0.75	-	-	-	-	-
75	1.125	-	-	-	-	-
100	1.5	-	-	-	-	-
125	1.875	-	-	-	-	-

Techtop Industries  
 2815 Colonnades Court  
 Peachtree Corners, GA 30071  
 Tel: 678-436-5540  
 E-Mail: info@techttopind.com