



## Pump Motors

# NEMA

<b>MOTOR MODEL:</b>	GR3-AL-TF-56J-2-B-D-.75
<b>FACTORY TYPE:</b>	TXA

## Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	0.75	0.75
Speed, RPM	3500	2870
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	2.38-2.4/1.2	2.64/1.32
Power Factor	0.75	-
Nominal Efficiency	77.0	76.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	G
FL Amps. @ 208 V	2.38	-
Locked Rotor Current	8.676	-
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	40.4	-
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	17.1		
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		3.60115	315.0
Pull-Up Torque		2.77803	243.0
Breakdown Torque		3.93268	344.0
Full Load Torque		1.14322	100.0
SITE CONDITIONS			
Ambient Temp °C		40	
Altitude Above Sea Level m		1000	



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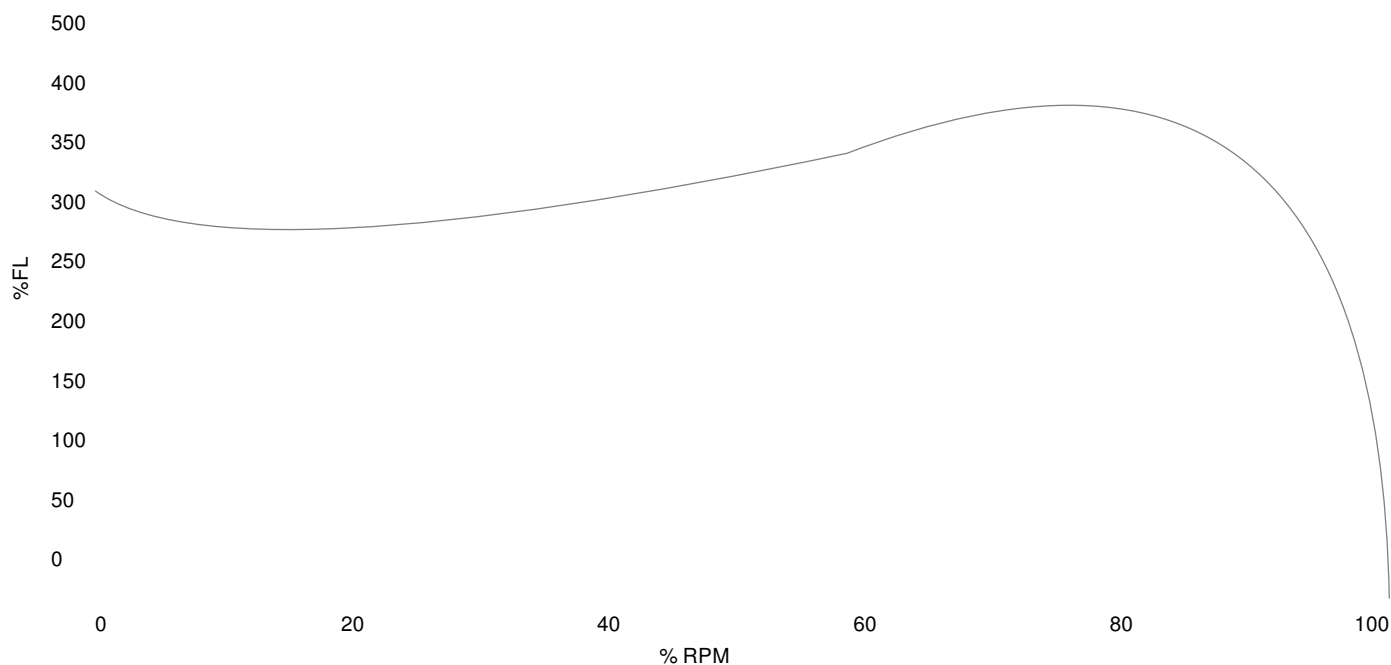
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### Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 0.75HP, 3500 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	3.60115	315.0	Start Configuration
Pull-Up Torque	2.77803	243.0	Starting Current (A)
Breakdown Torque	3.93268	344.0	No-Load Current (A)
Full Load	1.14322	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	0.89	-	-	-	-
25	0.1875	-	-	-	-	-
50	0.375	-	-	-	-	-
75	0.5625	-	-	-	-	-
100	0.75	-	-	-	-	-
125	0.9375	-	-	-	-	-

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