



Pump Motors

NEMA

MOTOR MODEL:	GR3-AL-TF-56J-2-B-D-.5
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	0.5	0.5
Speed, RPM	3490	2870
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	1.71-1.74/0.87	1.94/0.97
Power Factor	0.72	-
Nominal Efficiency	74.0	73.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	1.71	-
Locked Rotor Current	5.8349	-
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	26.2	-
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	15.5	
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	2.36979	315.0
Pull-Up Torque	2.28703	304.0
Breakdown Torque	2.85879	380.0
Full Load Torque	0.752313	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	



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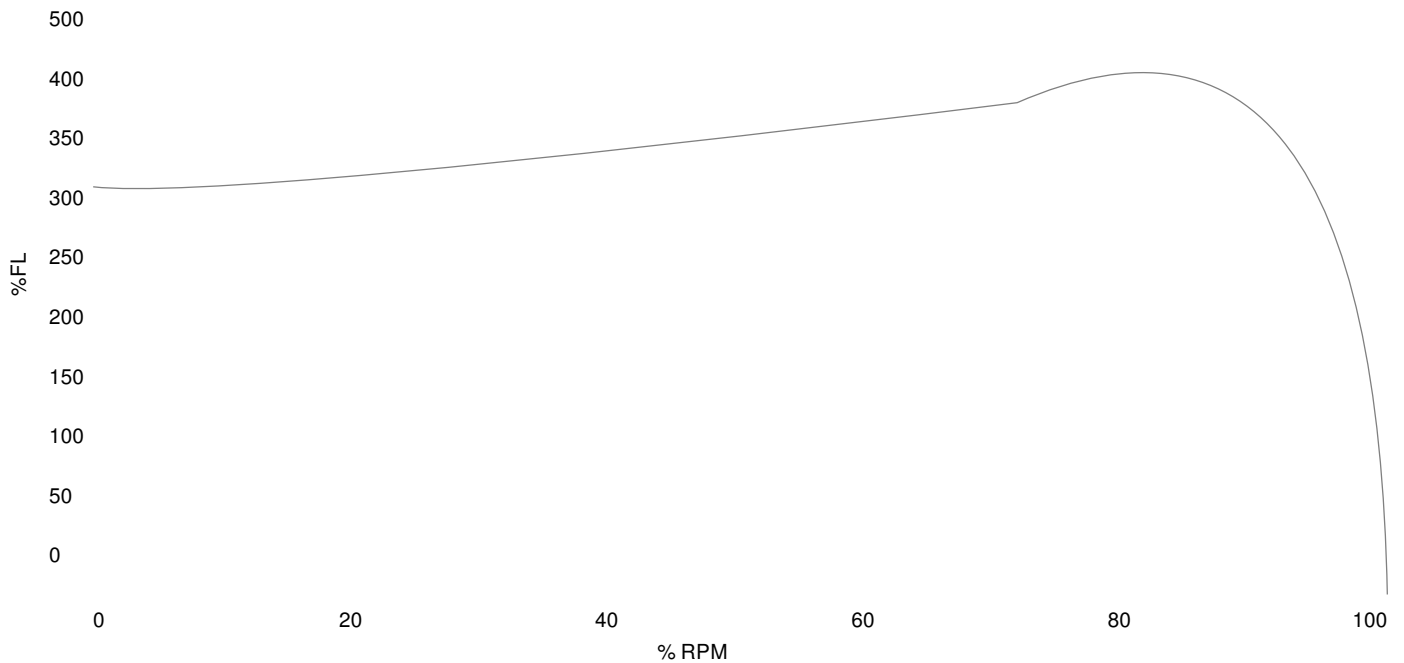
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MOTOR MODEL:	GR3-AL-TF-56J-2-B-D-.5
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 0.5HP, 3490 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	2.36979	315.0	Start Configuration
Pull-Up Torque	2.28703	304.0	Starting Current (A)
Breakdown Torque	2.85879	380.0	No-Load Current (A)
Full Load	0.752313	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	0.63	-	-	-	-
25	0.125	-	-	-	-	-
50	0.25	-	-	-	-	-
75	0.375	-	-	-	-	-
100	0.5	-	-	-	-	-
125	0.625	-	-	-	-	-

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