



Pump Motors

NEMA

MOTOR MODEL:	GR3-AL-TF-182JM-2-B-D-3
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	3.0	3.0
Speed, RPM	3515	2900
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	7.17/3.59	8.38/4.19
Power Factor	0.89	-
Nominal Efficiency	86.5	86.2
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	H
FL Amps. @ 208 V	7.77	-
LRC @ 60Hz HV	33.3216	-
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%	84.23	0.77
75%	86.43	0.86
100%	86.72	0.9
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	37.0	37.0
3D Image Link		
Not available for this motor		

GENERAL DATA			
Frame Size	182JM		
Frame Enclosure	TEFC		
Mounting	Rigid		
Insulation Class	F		
Duty	Cont. / S1		
NEMA Design	A		
Frame Material	Cast Aluminum		
Ingress Protection	55		
Tropicalization	true		
Cable Entry	1-NPT 3/4"		
Feet Removable	true		
Double Drilled	-		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	50.0		
MECHANICAL DATA			
DE Bearing	6306ZZ		
NDE Bearing	6206ZZ		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	-		
Comp Ring (wavey washer)	NDE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque		11.1842	254.0
Pull-Up Torque		5.54809	126.0
Breakdown Torque		15.6315	355.0
Full Load Torque		4.40325	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.



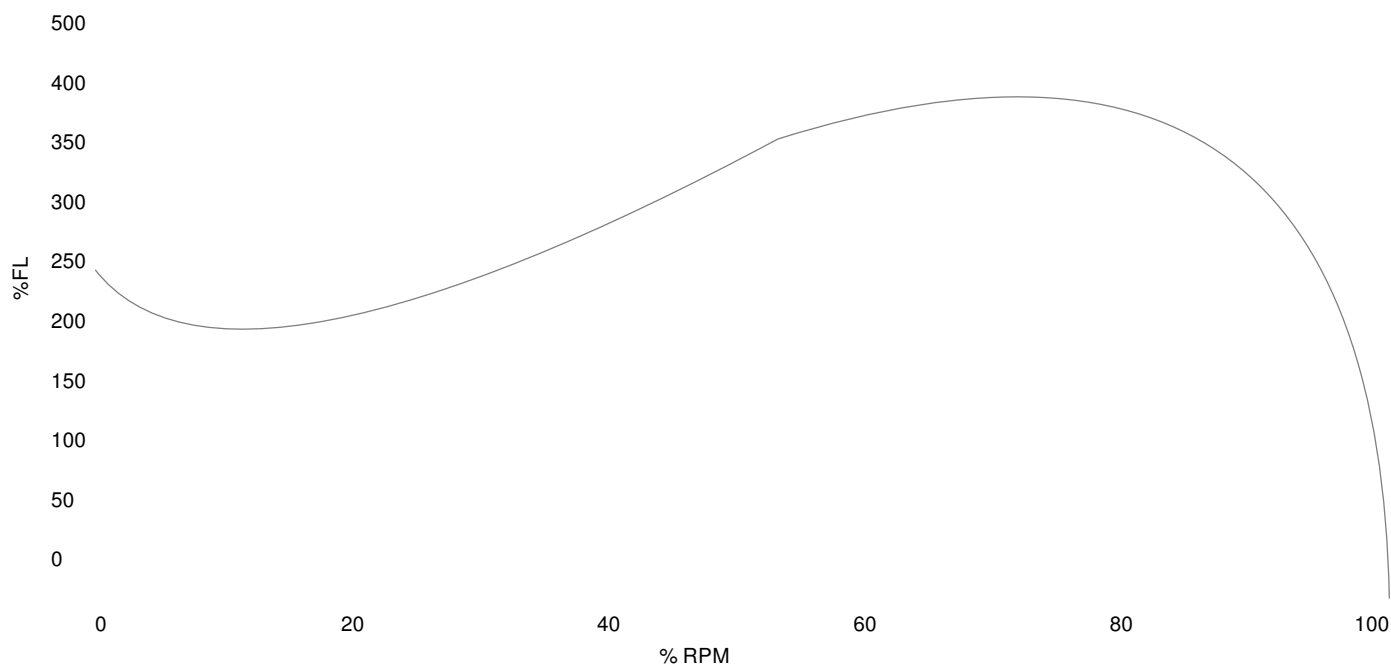
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	11.1842	254.0	Start Configuration
Pull-Up Torque	5.54809	126.0	Starting Current (A)
Breakdown Torque	15.6315	355.0	No-Load Current (A)
Full Load	4.40325	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.31	-	-	-	-
25	0.75	1.58	723.3	3579.3	76.04	0.58
50	1.5	2.13	1306.0	3561.2	84.23	0.77
75	2.25	2.79	1909.0	3541.2	86.43	0.86
100	3.0	3.56	2537.0	3519.6	86.72	0.9
125	3.75	4.39	3194.0	3496.3	86.1	0.91

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