



Pump Motors

NEMA

MOTOR MODEL:	GR3-AL-TF-145JM-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	2880
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	5.18/2.59	6.16/3.08
Power Factor	0.85	-
Nominal Efficiency	85.5	83.8
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	5.58	-
LRC @ 60Hz HV	23.2974	-
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%	84.53	0.67
75%	86.37	0.79
100%	86.27	0.85
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	39.7	39.0
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	145JM	
Frame Enclosure	TEFC	
Mounting	Rigid	
Insulation Class	F	
Duty	Cont. / S1	
NEMA Design	B	
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	29.5	
MECHANICAL DATA		
DE Bearing	6206ZZ	
NDE Bearing	6205ZZ	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	NDE	
TORQUE VALUES		% FLT
Locked Rotor Torque	8.91226	294.0
Pull-Up Torque	6.12339	202.0
Breakdown Torque	10.0642	332.0
Full Load Torque	3.03138	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.



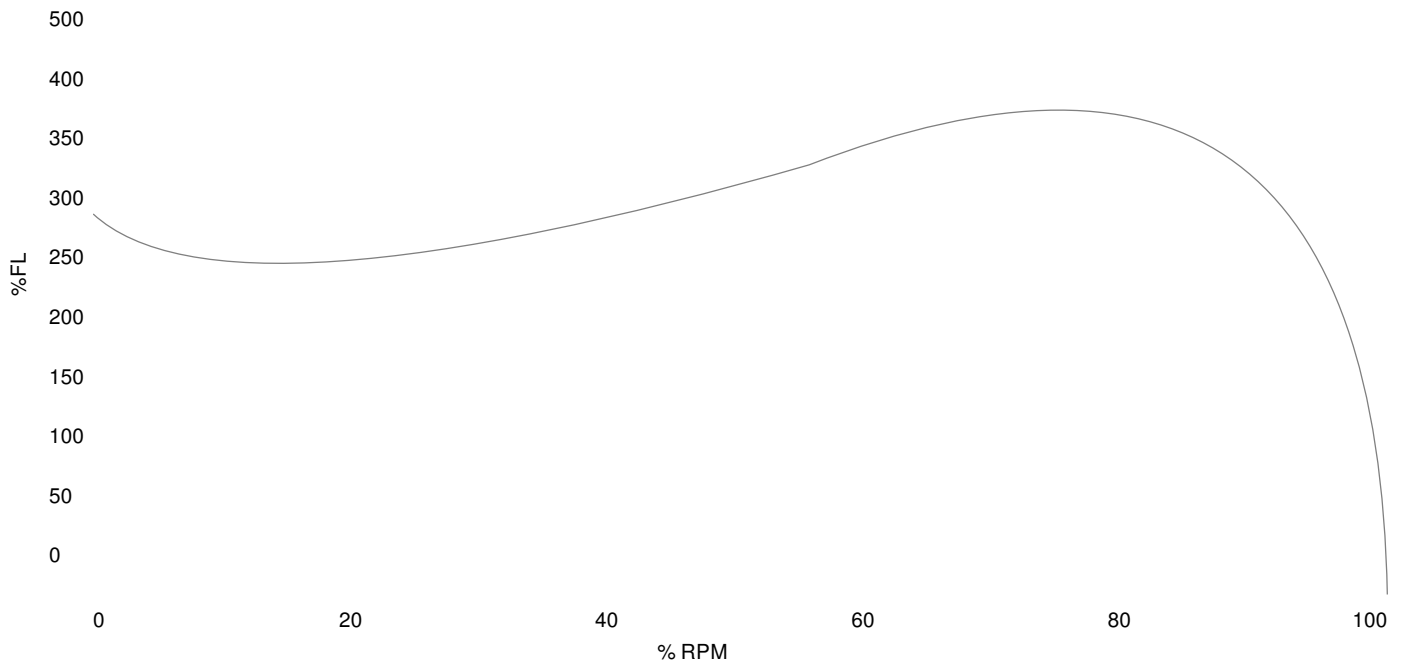
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	8.91226	294.0	Start Configuration
Pull-Up Torque	6.12339	202.0	Starting Current (A)
Breakdown Torque	10.0642	332.0	No-Load Current (A)
Full Load	3.03138	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.29	-	-	-	-
25	0.5	1.37	0.48913	3575.5	76.67	0.45
50	1.0	1.67	0.88726	3554.1	84.53	0.67
75	1.5	2.08	1.3025	3529.7	86.37	0.79
100	2.0	2.58	1.7388	3502.4	86.27	0.85
125	2.5	3.14	2.1999	3472.1	85.23	0.88