



Premium JM-JP

NEMA

MOTOR MODEL:	GR3-AL-TF-145JP-4-B-D-1.5
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.5	1.5
Speed, RPM	1740	1430
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	4.36/2.18	5.06/2.53
Power Factor	0.74	-
Nominal Efficiency	86.5	84.7
Service Factor	1.25	1.0
KVA Code	K	H
FL Amps. @ 208 V	4.48	-
LRC @ 60Hz HV	17.4528	-
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%	84.56	0.53
75%	86.79	0.67
100%	87.1	0.75
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	21.8	21.8
3D Image Link		
Not available for this motor		

GENERAL DATA				
Frame Size	145JP			
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	34.5			
MECHANICAL DATA				
DE Bearing	6206ZZ			
NDE Bearing	6205ZZ			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavey washer)	NDE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	16.1544	351.0		
Pull-Up Torque	14.8197	322.0		
Breakdown Torque	18.9158	411.0		
Full Load Torque	4.60239	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.

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



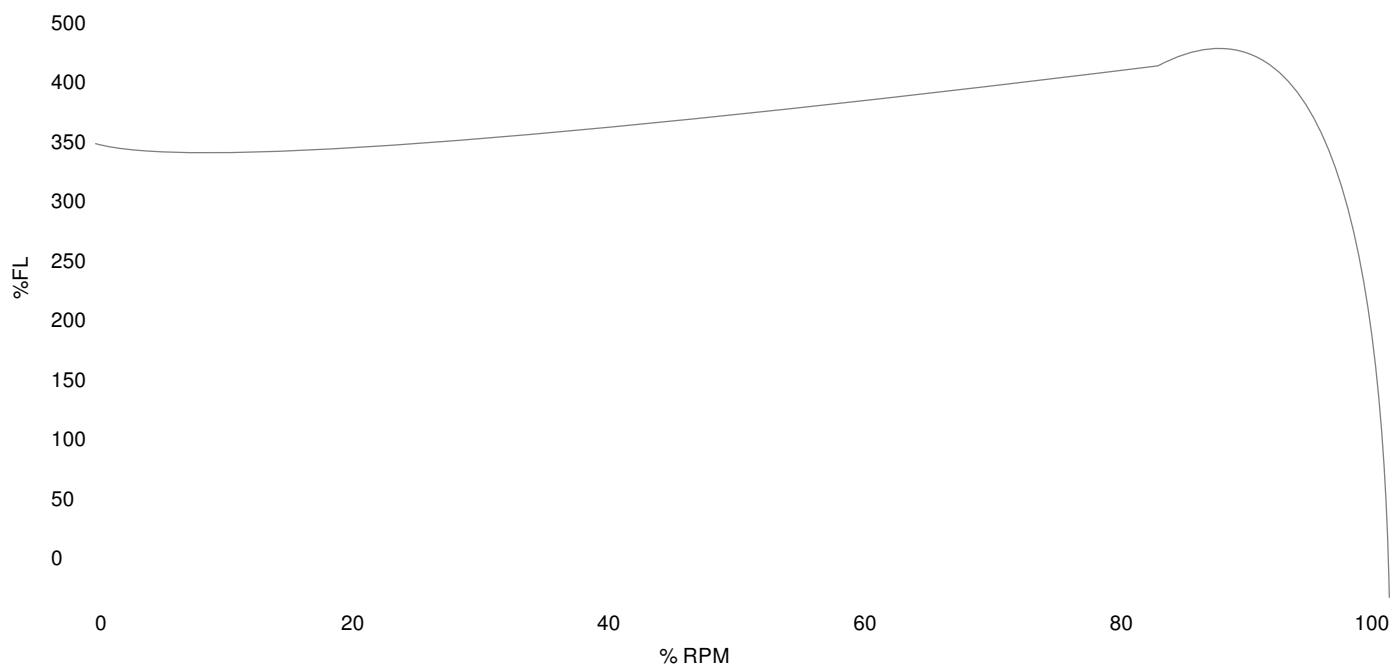
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	16.1544	351.0	Start Configuration
Pull-Up Torque	14.8197	322.0	Starting Current (A)
Breakdown Torque	18.9158	411.0	No-Load Current (A)
Full Load	4.60239	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.34	-	-	-	-
25	0.375	1.4	0.36898	1787.5	76.22	0.33
50	0.75	1.57	0.66518	1775.8	84.56	0.53
75	1.125	1.83	0.97214	1763.0	86.79	0.67
100	1.5	2.16	1.2917	1749.1	87.1	0.75
125	1.875	2.54	1.6257	1734.1	86.5	0.8

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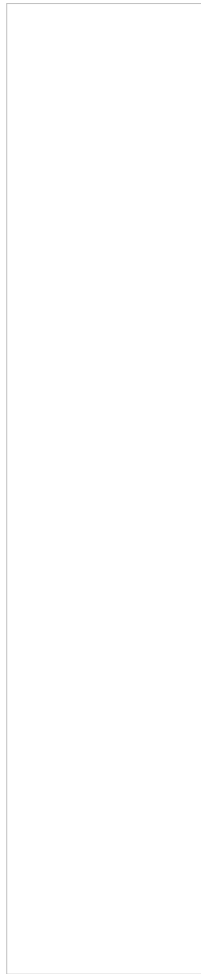


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