

## NEMA

<b>MOTOR MODEL:</b>	GR3-AL-TF-213JM-4-B-D-7.5
<b>FACTORY TYPE:</b>	TXA

### Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	7.5	7.5
Speed, RPM	1765	1460
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	17.7/8.86	20.8/10.4
Power Factor	0.85	-
Nominal Efficiency	91.7	90.4
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	J
FL Amps. @ 208 V	19.2	-
Locked Rotor Current	88.9119	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Date Code	-	
<b>Load</b>	<b>Efficiency %</b>	<b>P.F.</b>
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	35.7
3D Image Link		
Not available for this motor		

GENERAL DATA			
Frame Size	213JM		
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 1"		
Feet Removable	true		
Double Drilled	-		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	113.0		
MECHANICAL DATA			
DE Bearing	6308ZZ		
NDE Bearing	6208ZZ		
dB No-Load	-		
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-		
Comp Ring (wavey washer)	NDE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque		57.948	264.0
Pull-Up Torque		41.266	188.0
Breakdown Torque		84.0685	383.0
Full Load Torque		21.95	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.



## Pump Motors

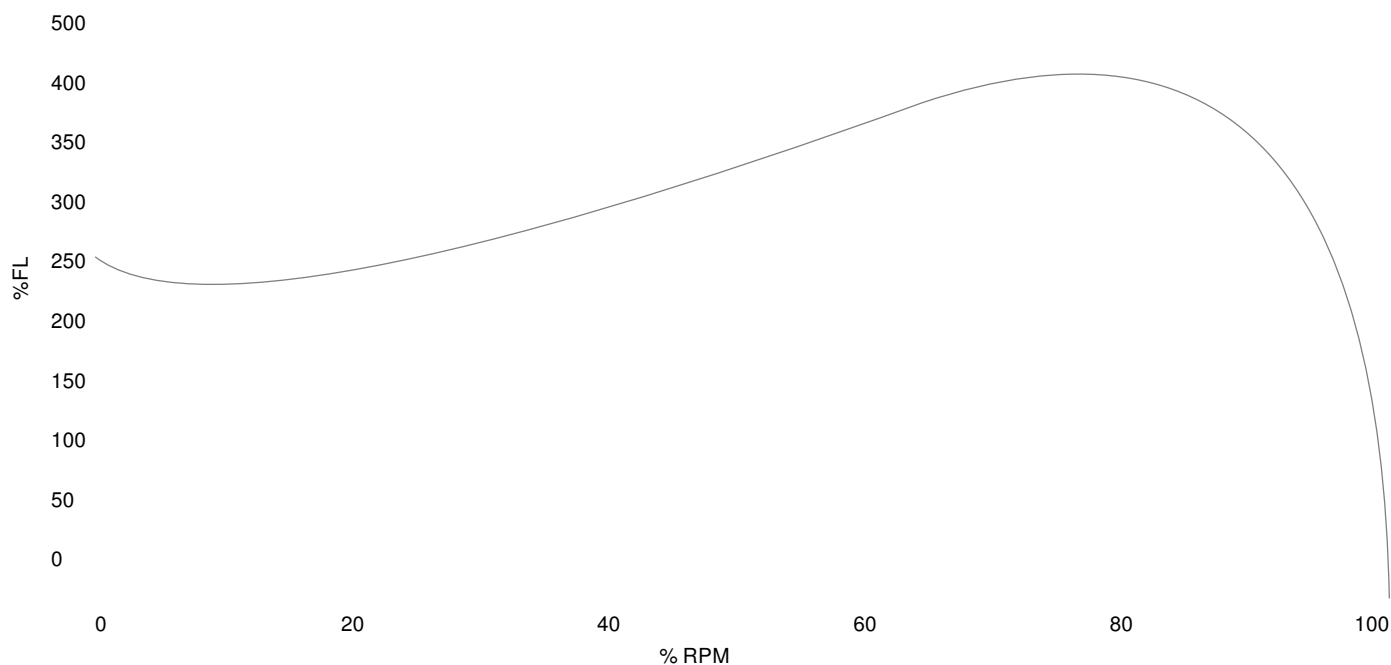
# NEMA

<b>MOTOR MODEL:</b>	GR3-AL-TF-213JM-4-B-D-7.5
<b>FACTORY TYPE:</b>	TXA

### Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 7.5HP, 1765 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	57.948	264.0	Start Configuration
Pull-Up Torque	41.266	188.0	Starting Current (A)
Breakdown Torque	84.0685	383.0	No-Load Current (A)
Full Load	21.95	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	1.875	-	-	-	-	-
50	3.75	-	-	-	-	-
75	5.625	-	-	-	-	-
100	7.5	-	-	-	-	-
125	9.375	-	-	-	-	-

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