



## Pump Motors

# NEMA

<b>MOTOR MODEL:</b>	GR3-AL-TF-213JP-2-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	3520	2910
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	17.0/8.48	19.9/9.95
Power Factor	0.91	-
Nominal Efficiency	89.5	88.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	H
FL Amps. @ 208 V	18.7	-
Locked Rotor Current	188.462	-
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%	88.01	0.79
75%	90.04	0.86
100%	90.54	0.89
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	34.9	43.3
3D Image Link		
Not available for this motor		

GENERAL DATA				
Frame Size	213JP			
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	95.0			
MECHANICAL DATA				
DE Bearing	6308ZZ			
NDE Bearing	6208ZZ			
dB No-Load	-			
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-			
Comp Ring (wavy washer)	NDE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	38.6162	354.0		
Pull-Up Torque	11.5631	106.0		
Breakdown Torque	45.925	421.0		
Full Load Torque	10.9085	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

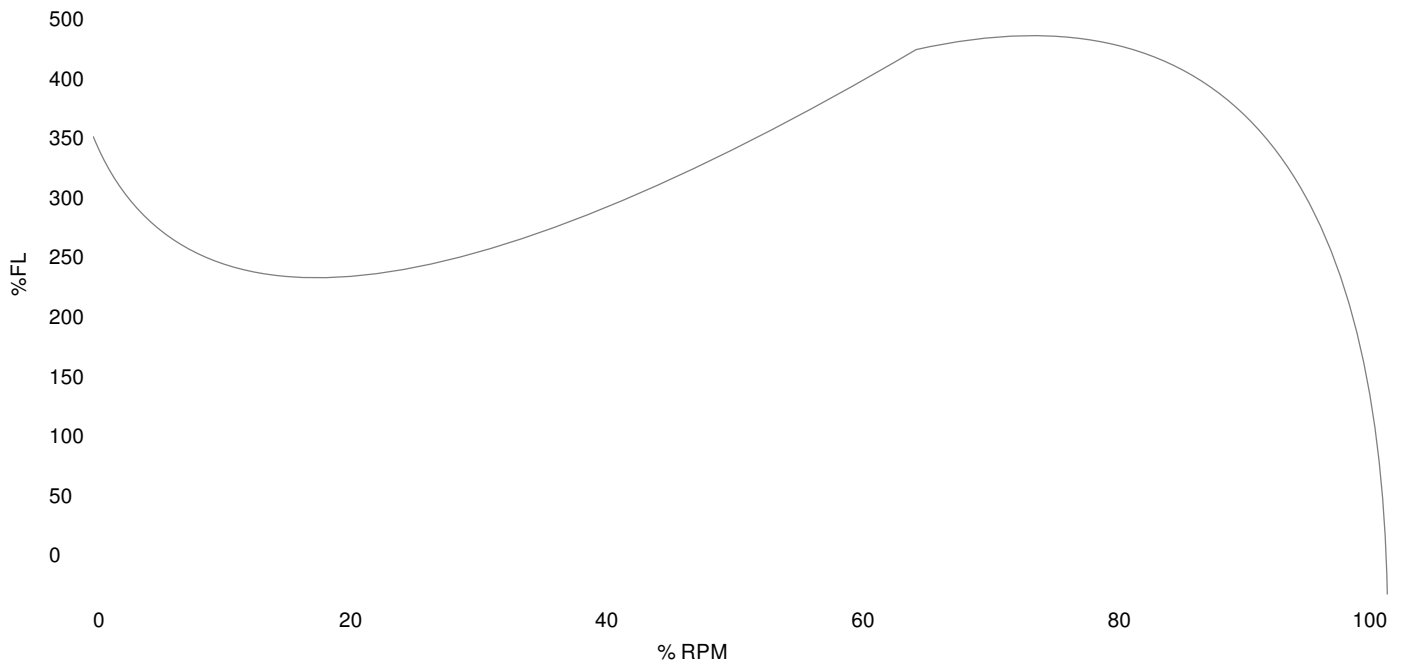
# NEMA

<b>MOTOR MODEL:</b>	GR3-AL-TF-213JP-2-B-D-7.5
<b>FACTORY TYPE:</b>	TXA

### Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 7.5HP, 3520 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	38.6162	354.0	Start Configuration
Pull-Up Torque	11.5631	106.0	Starting Current (A)
Breakdown Torque	45.925	421.0	No-Load Current (A)
Full Load	10.9085	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	5.78	-	-	-	-
25	1.875	7.16	1700.8	3584.8	80.84	0.6
50	3.75	9.98	3124.7	3571.1	88.01	0.79
75	5.625	13.32	4581.2	3556.7	90.04	0.86
100	7.5	17.04	6074.7	3541.5	90.54	0.89
125	9.375	21.03	7608.1	3525.5	90.36	0.91

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