



Three Phase Aluminum

NEMA

MOTOR MODEL:	GX3-AL-TF-213TC-4-B-D-7.5
FACTORY TYPE:	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	0.844	-
Nominal Efficiency	91.7	90.4
Service Factor	1.25	1.0
KVA Code	L	J
FL Amps. @ 208 V	19.2	-
LRC @ 60Hz HV	89.847	-
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%	90.052	0.68212
75%	91.358	0.79271
100%	91.414	0.84421
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	35.7	35.7
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	213TC	
Frame Enclosure	TEFC	
Mounting	Rigid/C-Flange	
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	154.0	
MECHANICAL DATA		
DE Bearing	6308ZZ	
NDE Bearing	6208ZZ	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	NDE	
TORQUE VALUES		% FLT
Locked Rotor Torque	57.159	261.0
Pull-Up Torque	43.581	199.0
Breakdown Torque	88.695	405.0
Full Load Torque	21.9	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.



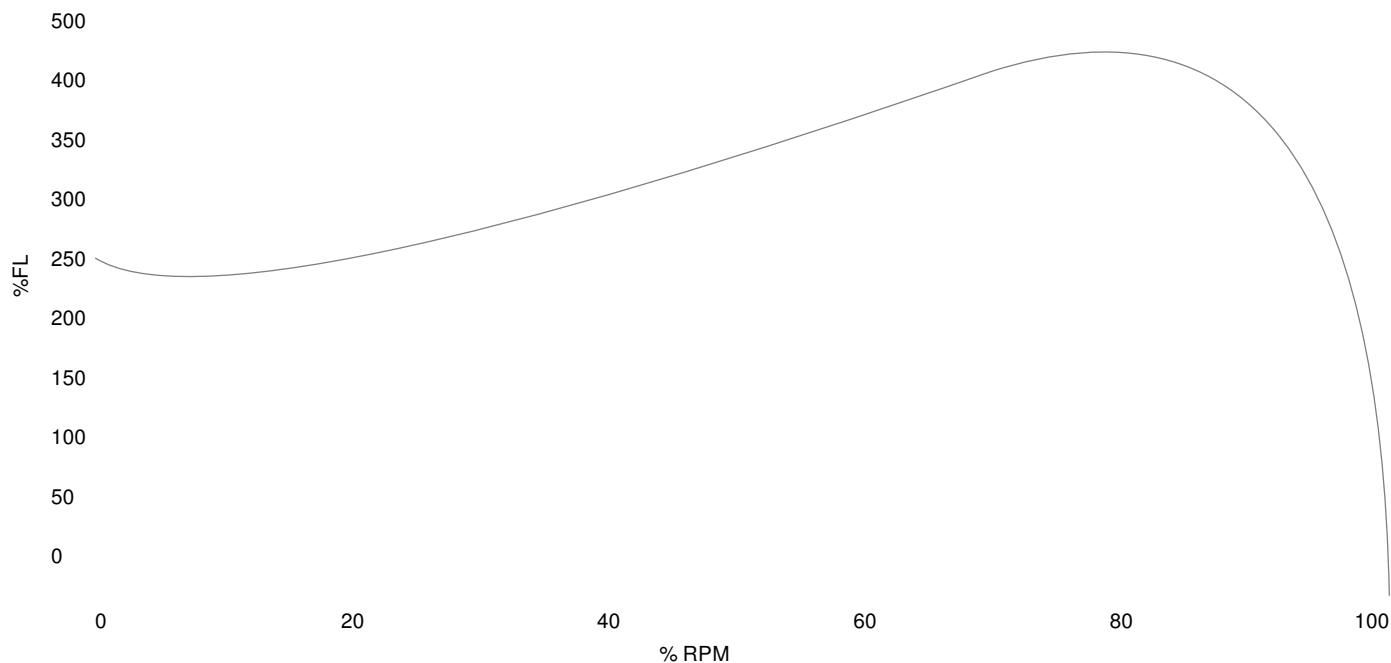
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	57.159	261.0	Start Configuration
Pull-Up Torque	43.581	199.0	Starting Current (A)
Breakdown Torque	88.695	405.0	No-Load Current (A)
Full Load	21.9	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	3.92	0.232	-	-	-
25	1.875	4.434	1.6273	1792.7	84.496	0.46063
50	3.75	5.619	3.0538	1785.2	90.052	0.68212
75	5.625	7.149	4.5152	1777.2	91.358	0.79271
100	7.5	8.945	6.0166	1768.9	91.414	0.84421
125	9.375	10.93	7.5619	1760.2	90.916	0.86834

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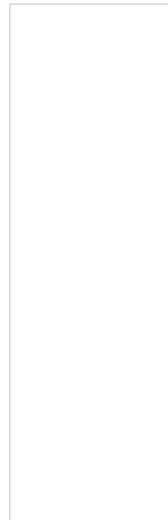


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