



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-AL-TF-215TC-6-B-D-5
<b>FACTORY TYPE:</b>	TXA

## Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	5.0	5.0
Speed, RPM	1170	965
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	14.2/7.11	16.7/8.35
Power Factor	0.73	-
Nominal Efficiency	89.5	87.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	J	H
FL Amps. @ 208 V	15.4	-
Locked Rotor Current	48.763	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	32.0	32.0
3D Image Link		
Not available for this motor		

GENERAL DATA			
Frame Size	215TC		
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 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)	-		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	53.779	242.0	
Pull-Up Torque	-	-	
Breakdown Torque	41.5565	187.0	
Full Load Torque	22.2227	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



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Non Sinusoidal (VFD) Output 5.0HP, 1170 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	53.779	242.0	Start Configuration
Pull-Up Torque	-	-	Starting Current (A)
Breakdown Torque	41.5565	187.0	No-Load Current (A)
Full Load	22.2227	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	3.5	-	-	-	-
25	1.25	-	-	-	-	-
50	2.5	-	-	-	-	-
75	3.75	-	-	-	-	-
100	5.0	-	-	-	-	-
125	6.25	-	-	-	-	-

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