



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-CI-TF-213TC-6-B-D-3
<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	3.0	3.0
Speed, RPM	1170	955
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	8.84/4.42	11/5.5
Power Factor	0.74	-
Nominal Efficiency	89.5	85.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	K
FL Amps. @ 208 V	9.77586	-
Locked Rotor Current	33.4276	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
<b>Load</b>	<b>Efficiency %</b>	<b>P.F.</b>
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
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 Iron		
Ingress Protection	55		
Tropicalization	true		
Cable Entry	1-NPT 1"		
Feet Removable	true		
Double Drilled	-		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	147.735		
MECHANICAL DATA			
DE Bearing	6308ZZ		
NDE Bearing	6308ZZ		
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	31.0009	236.0	
Pull-Up Torque	-	-	
Breakdown Torque	20.2294	154.0	
Full Load Torque	13.136	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



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Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 3.0HP, 1170 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	31.0009	236.0	Start Configuration
Pull-Up Torque	-	-	Starting Current (A)
Breakdown Torque	20.2294	154.0	No-Load Current (A)
Full Load	13.136	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	2.22	-	-	-	-
25	0.75	-	-	-	-	-
50	1.5	-	-	-	-	-
75	2.25	-	-	-	-	-
100	3.0	-	-	-	-	-
125	3.75	-	-	-	-	-