



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	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
<a href="#">GR3-CI-TF-213TC-6-B-D-3</a>		

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 (wavy 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	

\*This report valid for above Date Code and newer models, please contact Techttop for more info.

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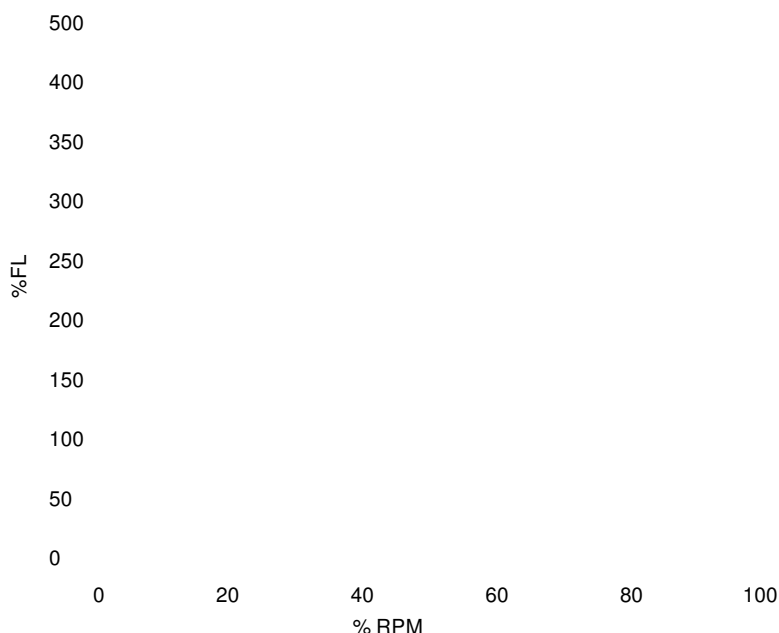
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<b>FACTORY TYPE:</b>	TXC

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	-	-	-	-	-