



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-CI-TF-213T-4-B-D-7.5
<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	7.5	7.5
Speed, RPM	1750	1445
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	18.23/9.12	23.2/11.6
Power Factor	0.82	-
Nominal Efficiency	91.7	86.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	20.1617	-
LRC @ 60Hz HV	66.0	-
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-213T-4-B-D-7.5</a>		

GENERAL DATA			
Frame Size	213T		
Frame Enclosure	TEFC		
Mounting	Rigid		
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	158.76		
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)	NDE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	56.4137	251.0	
Pull-Up Torque	36.4104	162.0	
Breakdown Torque	63.1564	281.0	
Full Load Torque	22.4756	-	
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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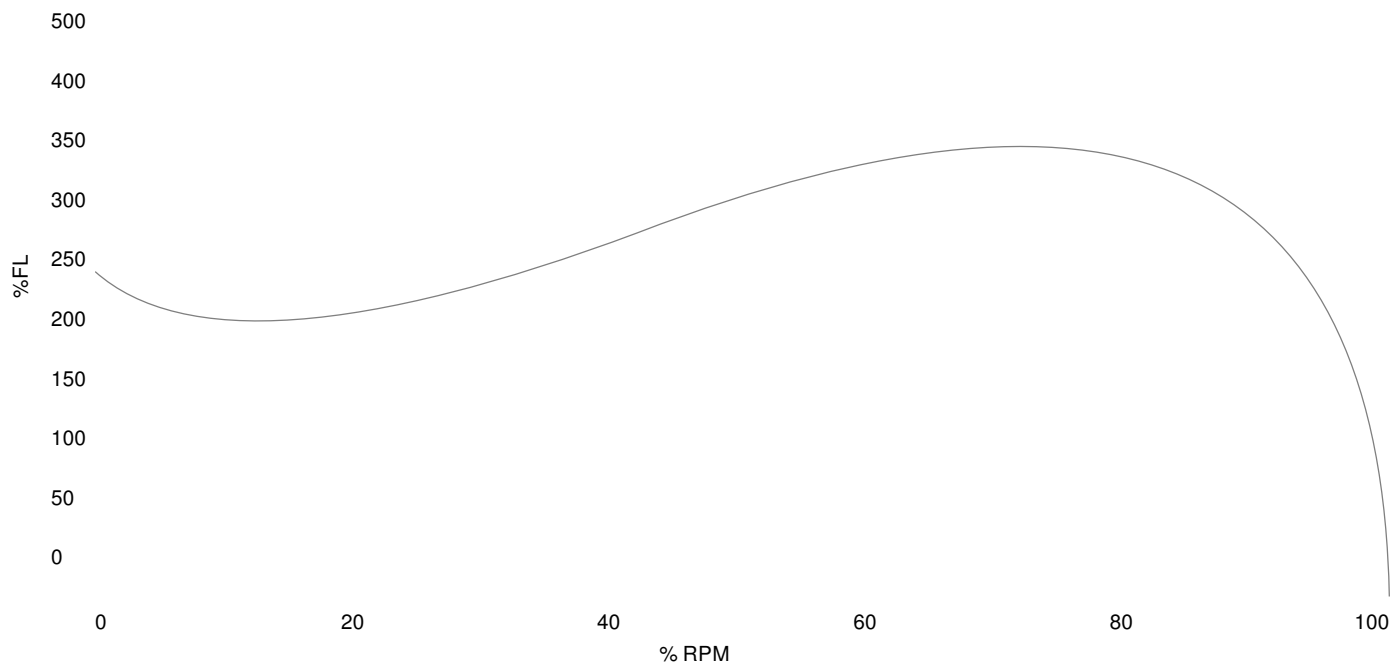
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	56.4137	251.0	Start Configuration
Pull-Up Torque	36.4104	162.0	Starting Current (A)
Breakdown Torque	63.1564	281.0	No-Load Current (A)
Full Load	22.4756	-	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	1.875	-	-	-	-	-
50	3.75	-	-	-	-	-
75	5.625	-	-	-	-	-
100	7.5	-	-	-	-	-
125	9.375	-	-	-	-	-

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