



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-213T-4-B-F-7.5
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	7.5	7.5
Speed, RPM	1750	-
Voltage	575	-
# Phase	3	
Full Load Amps	7.293281847	-
Power Factor	0.82	-
Nominal Efficiency	91.7	-
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	-
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	52.8	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	3	
Connection	Y	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
GR3-CI-TF-213T-4-B-F-7.5		

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 ² , Lb-Ft ²	-			
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.

Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techttopind.com



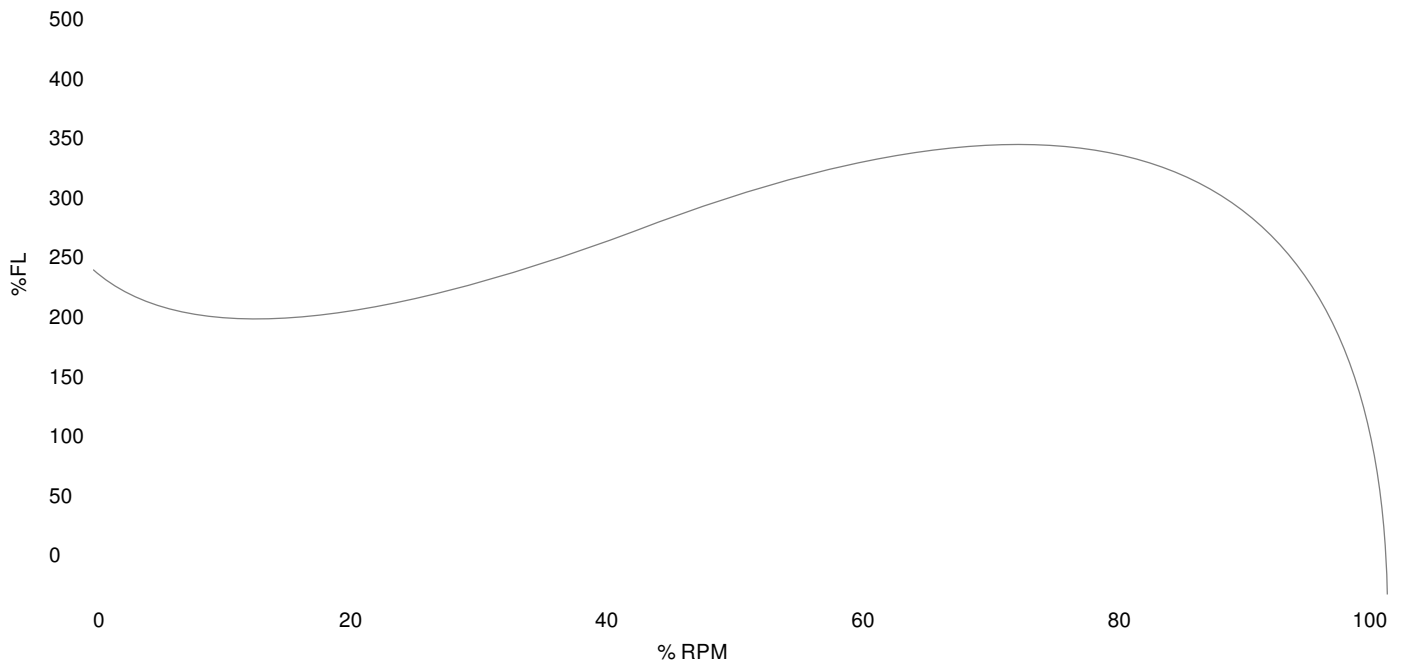
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Torque Speed (T-n) Curve



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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