



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-215TC-4-B-D-10
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	10.0	10.0
Speed, RPM	1750	1445
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	24/12	30/15
Power Factor	0.84	-
Nominal Efficiency	91.7	87.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	26.5385	-
LRC @ 60Hz HV	124.279	-
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		
GR3-CI-TF-215TC-4-B-D-10		

GENERAL DATA				
Frame Size	215TC			
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	181.913			
MECHANICAL DATA				
DE Bearing	6308ZZ			
NDE Bearing	6308ZZ			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavy washer)	-			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	82.5288		274.0	
Pull-Up Torque	60.24		200.0	
Breakdown Torque	115.36		383.0	
Full Load Torque	30.12		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 Techtop for more info.

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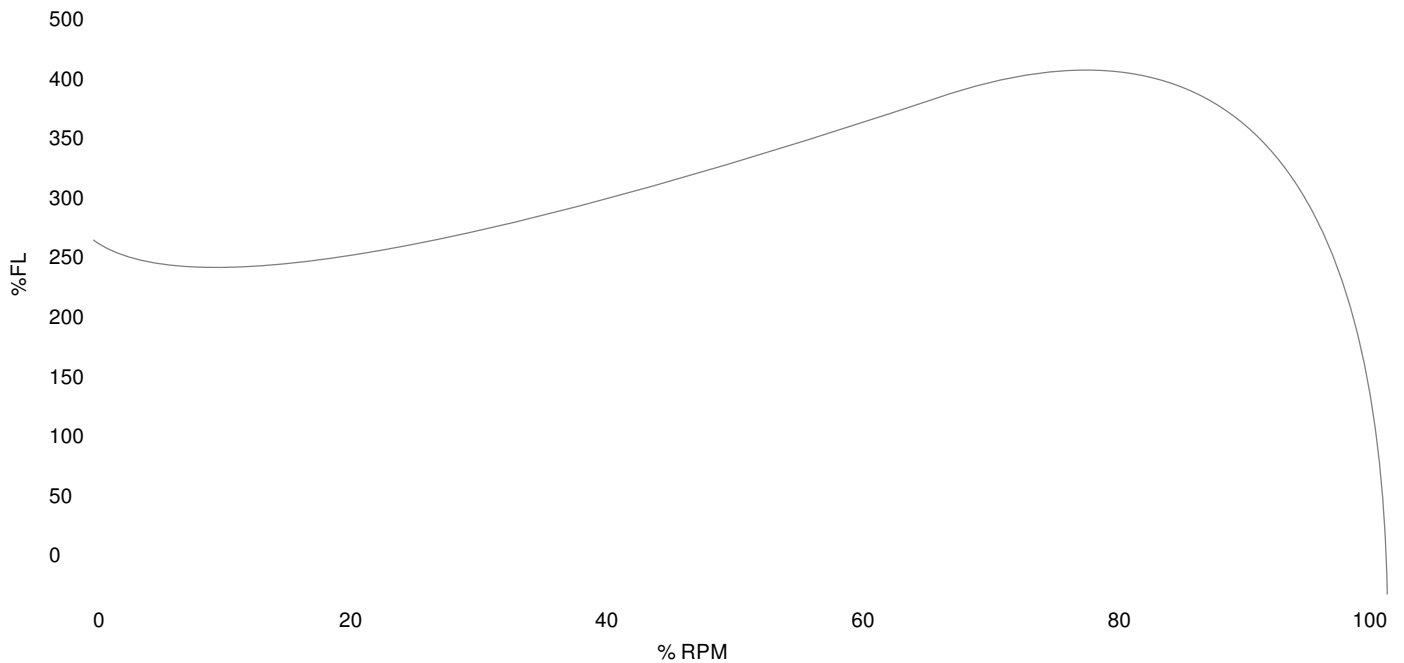
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	82.5288	274.0	Start Configuration
Pull-Up Torque	60.24	200.0	Starting Current (A)
Breakdown Torque	115.36	383.0	No-Load Current (A)
Full Load	30.12	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	2.5	-	-	-	-	-
50	5.0	-	-	-	-	-
75	7.5	-	-	-	-	-
100	10.0	-	-	-	-	-
125	12.5	-	-	-	-	-

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