

MOTOR MODEL:	GR3-CI-TF-213T-2-B-D-7.5
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	7.5	7.5
Speed, RPM	3520	2910
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	17.24/8.62	23.6/11.8
Power Factor	0.88	-
Nominal Efficiency	89.5	86.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	J	H
FL Amps. @ 208 V	19.0683	-
Locked Rotor Current	188.462	-
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%	88.01	0.79
75%	90.04	0.86
100%	90.54	0.89
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	
3D Image Link		
GR3-CI-TF-213T-2-B-D-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	140.018
MECHANICAL DATA	
DE Bearing	6308ZZ
NDE Bearing	6308ZZ
dB No-Load	-
Rotor Wk ² , Lb-Ft ²	-
Comp Ring (wavey washer)	NDE
TORQUE VALUES	
Torque lb-ft	% FLT
Locked Rotor Torque	38.6162
Pull-Up Torque	11.5631
Breakdown Torque	45.925
Full Load Torque	10.9085
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.



NEMA Premium

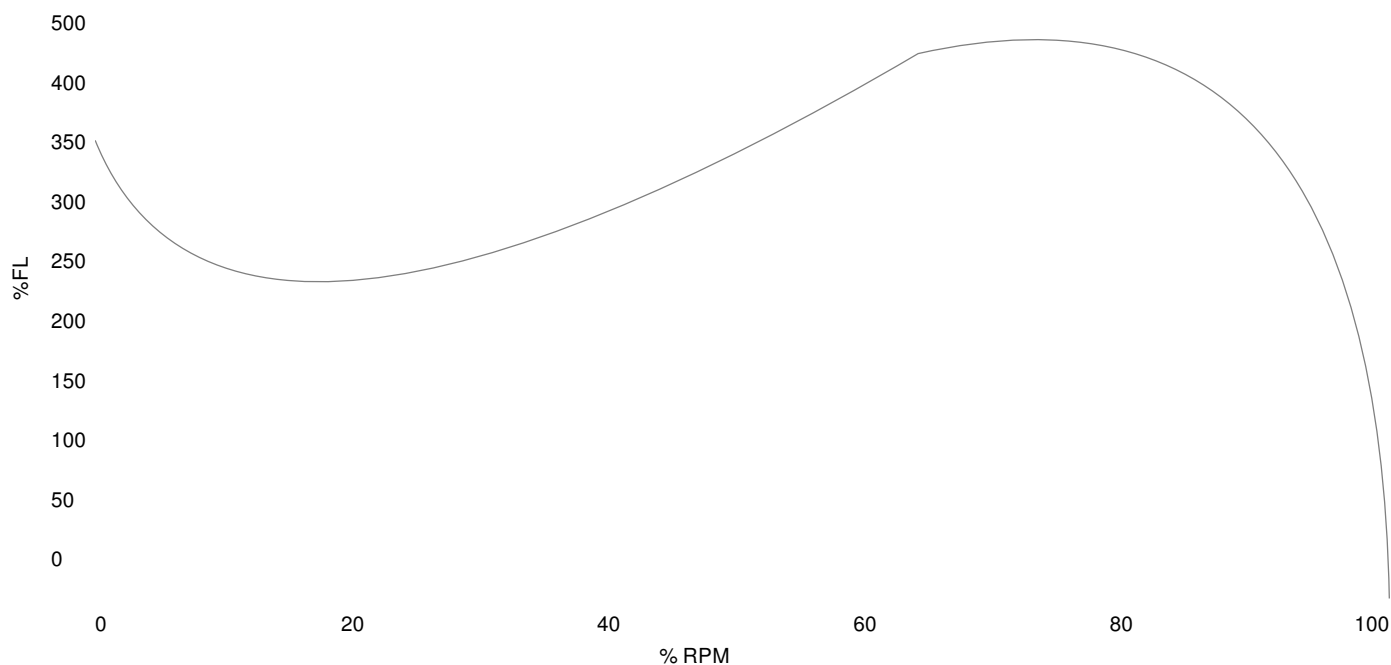
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NEMA

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 7.5HP, 3520 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	38.6162	354.0	Start Configuration
Pull-Up Torque	11.5631	106.0	Starting Current (A)
Breakdown Torque	45.925	421.0	No-Load Current (A)
Full Load	10.9085	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	5.78	-	-	-	-
25	1.875	7.16	1700.8	3584.8	80.84	0.6
50	3.75	9.98	3124.7	3571.1	88.01	0.79
75	5.625	13.32	4581.2	3556.7	90.04	0.86
100	7.5	17.04	6074.7	3541.5	90.54	0.89
125	9.375	21.03	7608.1	3525.5	90.36	0.91

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