



NEMA Premium

# NEMA

<b>MOTOR MODEL:</b>	GR3-CI-TF-184TC-6-B-D-2
<b>FACTORY TYPE:</b>	TXC

## Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	2.0	2.0
Speed, RPM	1150	945
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	6.22/3.11	7.6/3.8
Power Factor	0.73	-
Nominal Efficiency	88.5	84.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	J
FL Amps. @ 208 V	6.88165	-
Locked Rotor Current	27.8144	-
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%	85.42	0.43
75%	88.19	0.55
100%	89.08	0.64
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
<a href="#">GR3-CI-TF-184TC-6-B-D-2</a>		

GENERAL DATA				
Frame Size	184TC			
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 3/4"			
Feet Removable	true			
Double Drilled	-			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	112.455			
MECHANICAL DATA				
DE Bearing	6306ZZ			
NDE Bearing	6306ZZ			
dB No-Load	-			
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-			
Comp Ring (wavey washer)	-			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	31.1984	347.0		
Pull-Up Torque	23.8258	265.0		
Breakdown Torque	39.3801	438.0		
Full Load Torque	8.99088	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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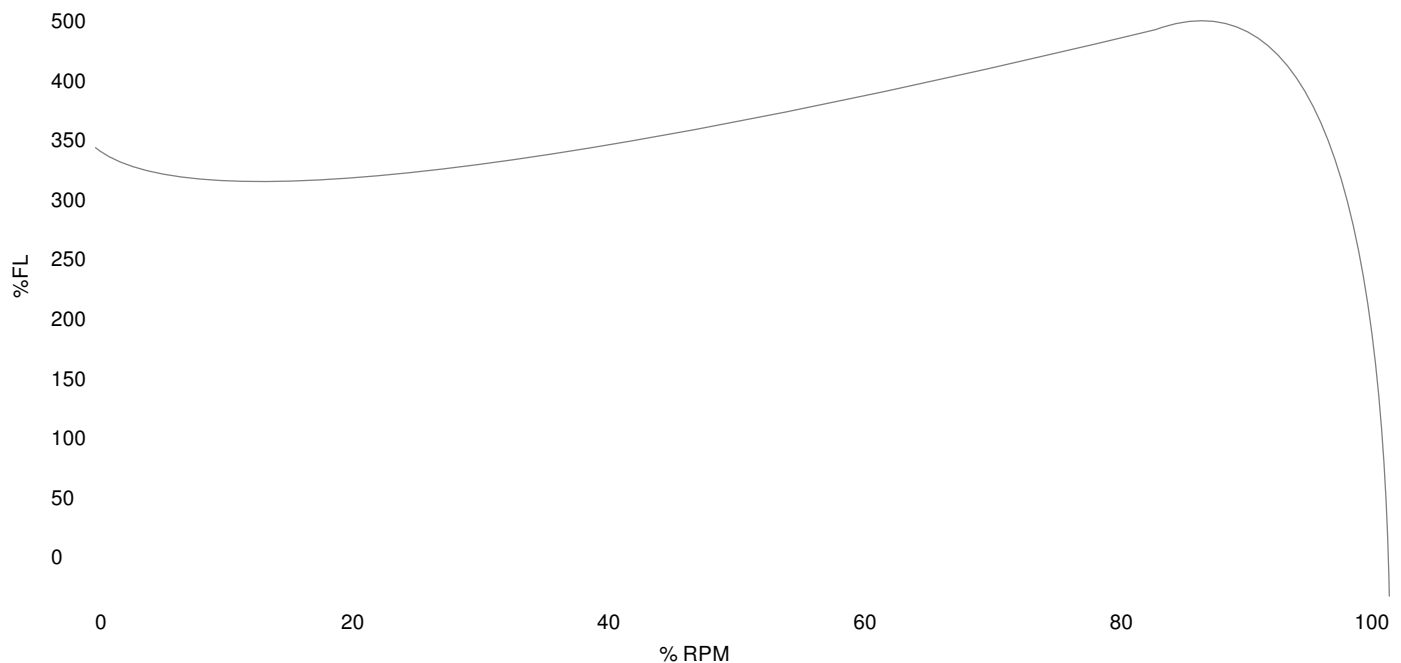
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<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 2.0HP, 1150 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	31.1984	347.0	Start Configuration
Pull-Up Torque	23.8258	265.0	Starting Current (A)
Breakdown Torque	39.3801	438.0	No-Load Current (A)
Full Load	8.99088	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	2.33	-	-	-	-
25	0.5	2.4	489.99	1194.8	76.53	0.26
50	1.0	2.59	878.05	1190.2	85.42	0.43
75	1.5	2.89	1275.6	1185.2	88.19	0.55
100	2.0	3.28	1683.8	1179.8	89.08	0.64
125	2.5	3.74	2103.5	1174.1	89.14	0.71

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