



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-CI-TF-254T-6-BR-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	1170	960
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	20.31/10.15	26.4/13.2
Power Factor	0.74	-
Nominal Efficiency	91.0	87.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	J	H
FL Amps. @ 208 V	22.4554	-
Locked Rotor Current	80.0056	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	90.32	0.56
75%	91.43	0.68
100%	91.33	0.75
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	38.0	-
3D Image Link		
<a href="#">GR3-CI-TF-254T-6-BR-D-7.5</a>		

GENERAL DATA			
Frame Size	254T		
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 1-1/4"		
Feet Removable	true		
Double Drilled	-		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	246.96		
MECHANICAL DATA			
DE Bearing	6309C3		
NDE Bearing	6309C3		
dB No-Load	-		
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-		
Comp Ring (wavey washer)	DE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	83.9161	246.0	
Pull-Up Torque	44.687	131.0	
Breakdown Torque	103.36	303.0	
Full Load Torque	34.1123	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



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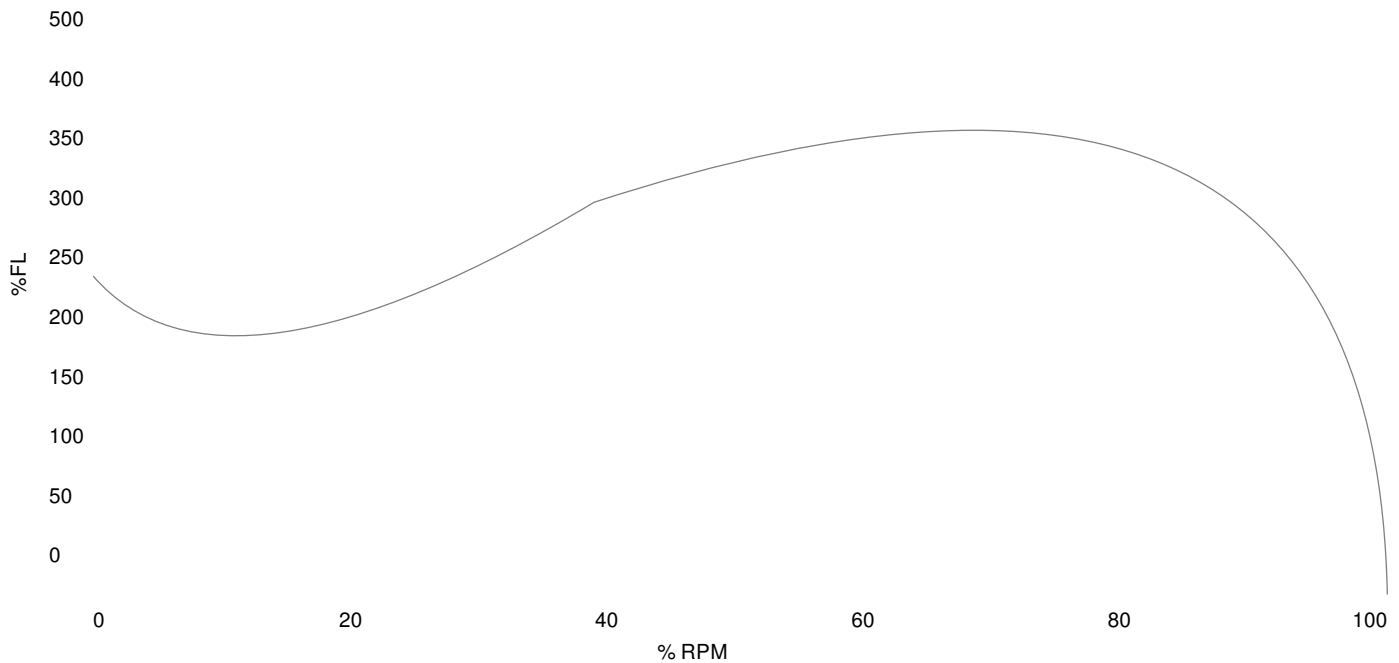
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<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 7.5HP, 1170 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	83.9161	246.0	Start Configuration
Pull-Up Torque	44.687	131.0	Starting Current (A)
Breakdown Torque	103.36	303.0	No-Load Current (A)
Full Load	34.1123	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	5.59	-	-	-	-
25	1.875	5.8	1.64	1194.4	85.17	0.36
50	3.75	6.98	3.1	1189.7	90.32	0.56
75	5.625	8.49	4.59	1184.4	91.43	0.68
100	7.5	10.31	6.13	1178.4	91.33	0.75
125	9.375	12.41	7.72	1171.8	90.64	0.78

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