



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-CI-TF-447T-4-BR-E-200
<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	200.0	200.0
Speed, RPM	1787	-
Voltage	460	380
# Phase	3	
Full Load Amps	217.8	-
Power Factor	0.9012	-
Nominal Efficiency	96.2	-
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	G	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	1538.0	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	D	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	96.239	0.843
75%	96.294	0.892
100%	96.2	0.9012
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	79.4	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	447T	
Frame Enclosure	TEFC	
Mounting	Rigid	
Insulation Class	F	
Duty	Cont. / S1	
NEMA Design	B	
Frame Material	Cast Iron	
Ingress Protection	55	
Tropicalization	true	
Cable Entry	2-NPT 3"	
Feet Removable	-	
Double Drilled	true	
Paint Color	Graphite Gray	
Paint RAL	7024	
Weight lb	-	
MECHANICAL DATA		
DE Bearing	6319C3	
NDE Bearing	6319C3	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavey washer)	DE	
TORQUE VALUES		% FLT
Locked Rotor Torque	1322.45	224.0
Pull-Up Torque	655.322	111.0
Breakdown Torque	1151.24	195.0
Full Load Torque	590.38	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 Techttop for more info.



NEMA Premium

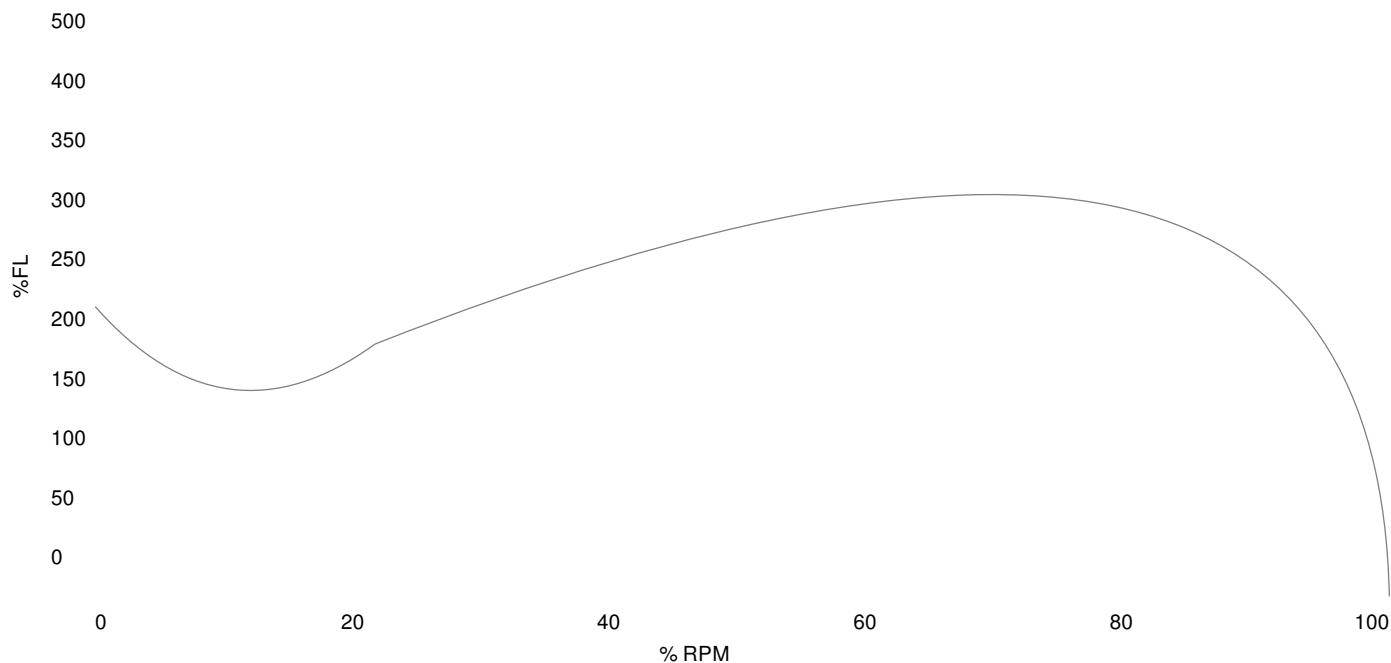
<b>MOTOR MODEL:</b>	GR3-CI-TF-447T-4-BR-E-200
<b>FACTORY TYPE:</b>	TXC

**NEMA**

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 200.0HP, 1787 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	1322.45	224.0	Start Configuration
Pull-Up Torque	655.322	111.0	Starting Current (A)
Breakdown Torque	1151.24	195.0	No-Load Current (A)
Full Load	590.38	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	51.04	-	-	-	-
25	50.0	73.751	39.616	1796.9	94.659	0.674
50	100.0	116.02	77.93	1794.0	96.239	0.843
75	164.37	116.83	117.4	1790.8	96.294	0.892
100	200.0	217.8	156.38	1787.3	96.2	0.9012
125	250.0	275.25	196.66	1789.4	95.342	0.8968

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