



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-CI-TF-447TC-6-RR-E-150
<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	150.0	150.0
Speed, RPM	1180	980
Voltage	460	380
# Phase	3	
Full Load Amps	170.4698846	205
Power Factor	0.87	-
Nominal Efficiency	95.8	94.0
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	E
FL Amps. @ 208 V	-	-
Locked Rotor Current	1740.58	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	94.27	0.68
75%	95.08	0.79
100%	95.13	0.83
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	86.0	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	447TC	
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	2-NPT 3"	
Feet Removable	-	
Double Drilled	true	
Paint Color	Graphite Gray	
Paint RAL	7024	
Weight lb	2041.83	
MECHANICAL DATA		
DE Bearing	NU319	
NDE Bearing	6319C3	
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	2127.76	279.0
Pull-Up Torque	1677.81	220.0
Breakdown Torque	2547.22	334.0
Full Load Torque	762.639	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	



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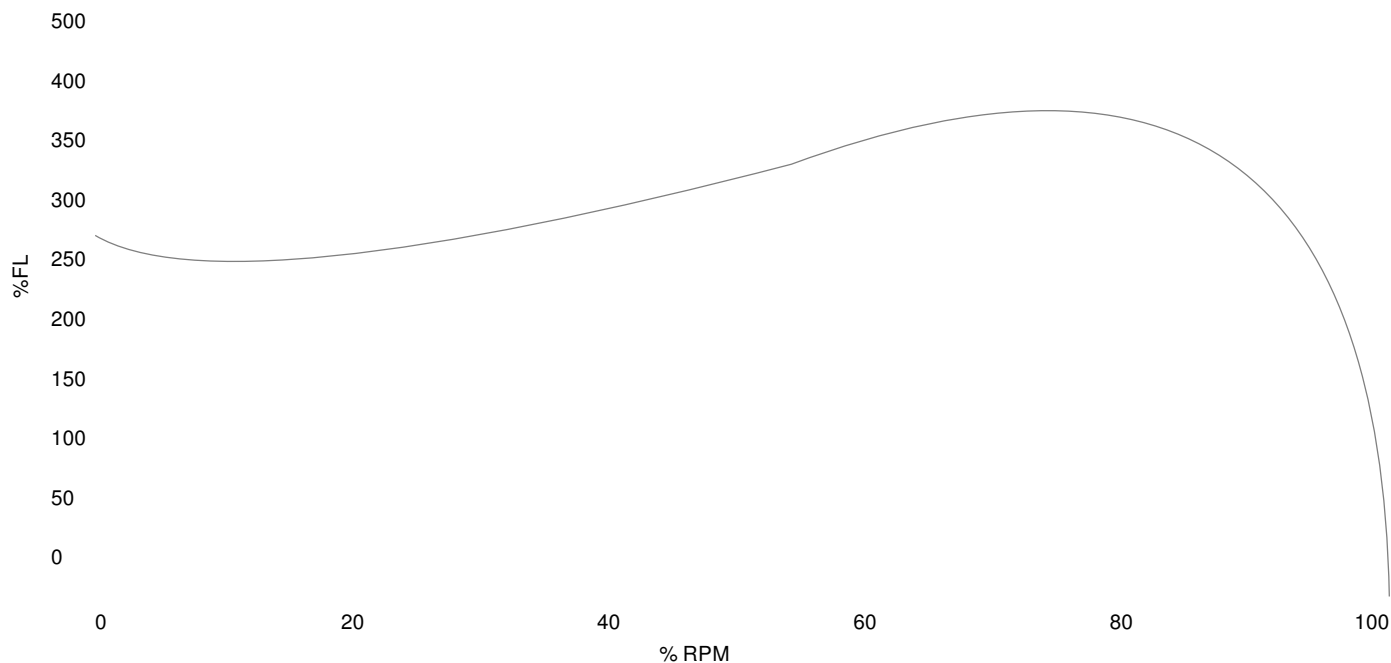
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<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 150.0HP, 1180 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	2127.76	279.0	Start Configuration
Pull-Up Torque	1677.81	220.0	Starting Current (A)
Breakdown Torque	2547.22	334.0	No-Load Current (A)
Full Load	762.639	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	84.78	-	-	-	-
25	37.5	96.55	35.54	1197.9	90.75	0.46
50	75.0	125.58	68.42	1196.0	94.27	0.68
75	112.5	162.53	101.76	1193.9	95.08	0.79
100	150.0	205.53	135.61	1191.6	95.13	0.83
125	187.5	252.72	170.0	1189.2	94.85	0.84

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