



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-404TC-6-RR-D-60
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	60.0	60.0
Speed, RPM	1185	980
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	141.54/70.77	166/83
Power Factor	0.85	-
Nominal Efficiency	94.5	92.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	J	E
FL Amps. @ 208 V	-	-
Locked Rotor Current	551.432	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	93.05	0.74
75%	94.06	0.83
100%	94.14	0.86
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	64.0	-
3D Image Link		
Not available for this motor		

GENERAL DATA			
Frame Size	404TC		
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"		
Feet Removable	-		
Double Drilled	true		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	975.713		
MECHANICAL DATA			
DE Bearing	NU316		
NDE Bearing	6314C3		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	-		
Comp Ring (wavey washer)	-		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	636.28	237.0	
Pull-Up Torque	338.276	126.0	
Breakdown Torque	644.334	240.0	
Full Load Torque	268.473	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



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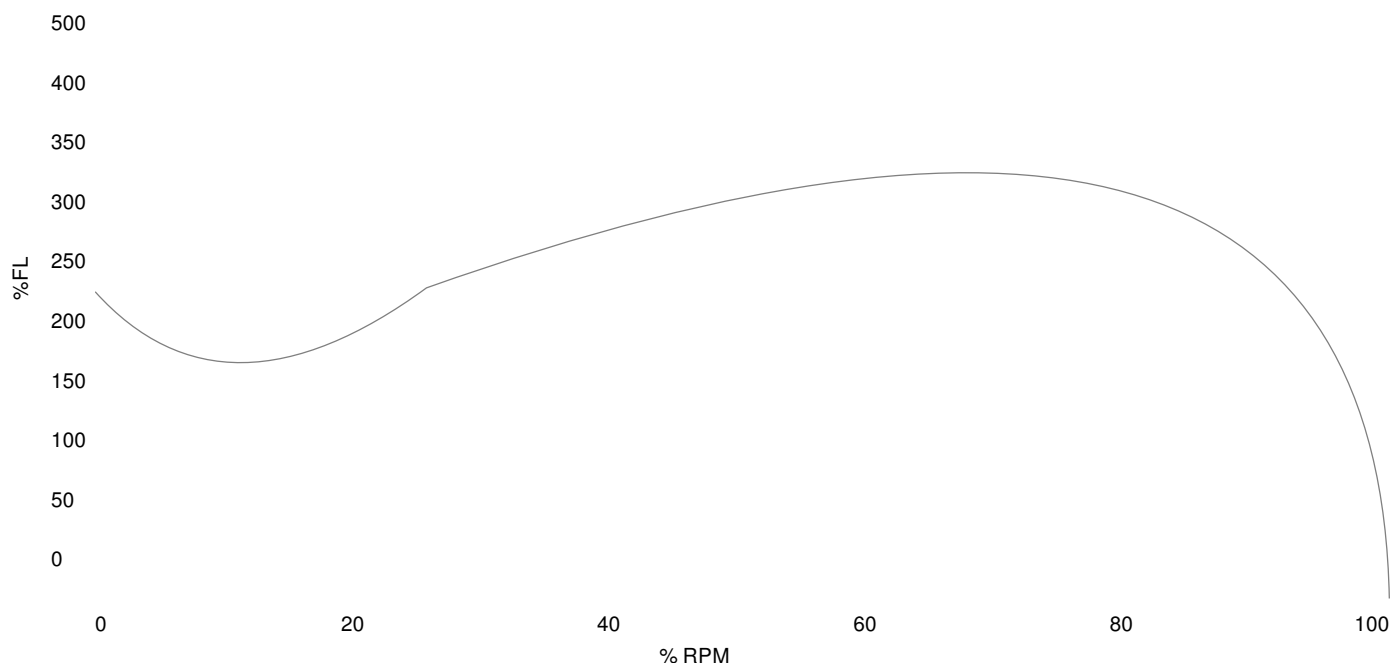
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MOTOR MODEL:	GR3-CI-TF-404TC-6-RR-D-60
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 60.0HP, 1185 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	636.28	237.0	Start Configuration
Pull-Up Torque	338.276	126.0	Starting Current (A)
Breakdown Torque	644.334	240.0	No-Load Current (A)
Full Load	268.473	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	24.92	-	-	-	-
25	15.0	29.93	12.66	1196.9	88.86	0.53
50	30.0	40.96	24.18	1193.9	93.05	0.74
75	45.0	54.47	35.88	1190.5	94.06	0.83
100	60.0	69.89	47.8	1186.9	94.14	0.86
125	75.0	79.81	55.06	1184.6	93.99	0.87

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