



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-CI-TF-256TC-6-BR-D-10
<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	10.0	10.0
Speed, RPM	1170	960
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	26.73/13.36	34/17
Power Factor	0.76	-
Nominal Efficiency	91.0	87.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	J	H
FL Amps. @ 208 V	29.5517	-
Locked Rotor Current	121.046	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	89.88	0.55
75%	90.84	0.67
100%	90.57	0.74
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	45.0	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	256TC	
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 1-1/4"	
Feet Removable	true	
Double Drilled	true	
Paint Color	Graphite Gray	
Paint RAL	7024	
Weight lb	277.83	
MECHANICAL DATA		
DE Bearing	6309C3	
NDE Bearing	6309C3	
dB No-Load	-	
Rotor Wk², Lb-Ft²	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	124.258	277.0
Pull-Up Torque	51.1387	114.0
Breakdown Torque	145.342	324.0
Full Load Torque	44.8585	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

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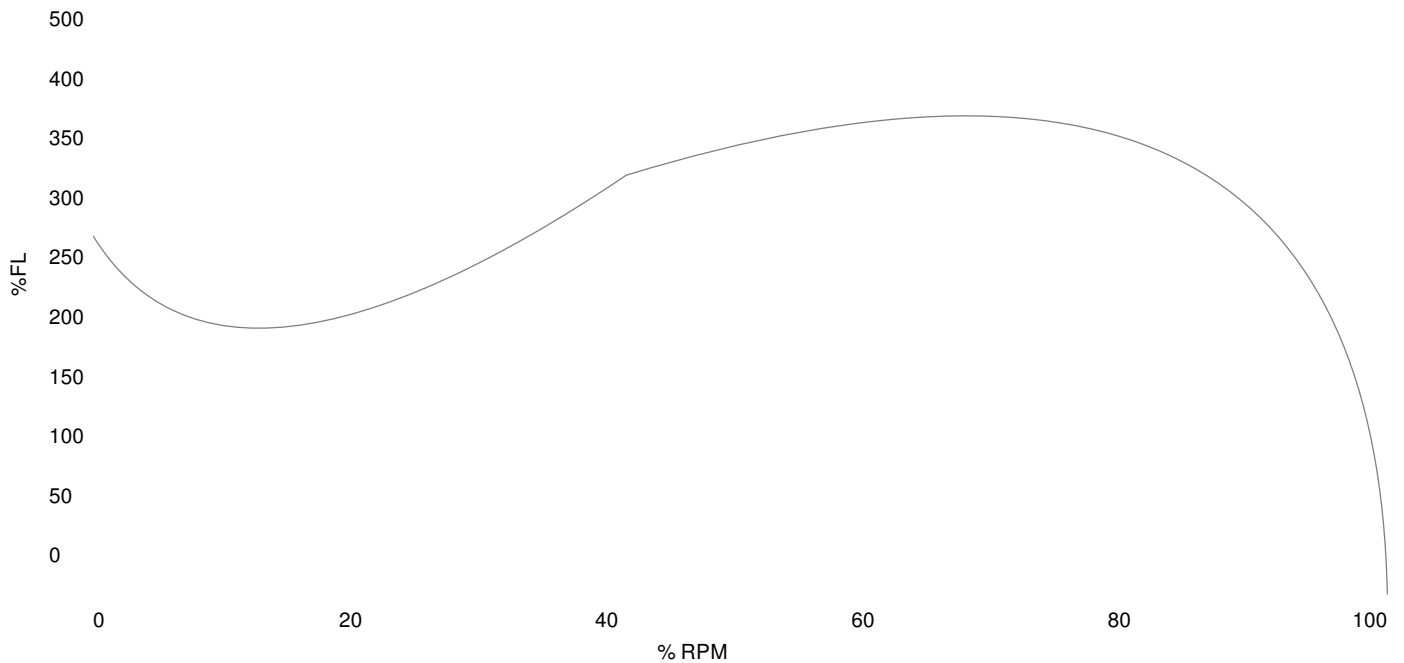
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<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 10.0HP, 1170 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	124.258	277.0	Start Configuration
Pull-Up Torque	51.1387	114.0	Starting Current (A)
Breakdown Torque	145.342	324.0	No-Load Current (A)
Full Load	44.8585	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	7.69	-	-	-	-
25	2.5	8.18	2.21	1195.4	84.71	0.34
50	5.0	9.57	4.17	1191.0	89.88	0.55
75	7.5	11.55	6.19	1186.1	90.84	0.67
100	10.0	14.01	8.28	1180.8	90.57	0.74
125	12.5	16.84	10.45	1175.1	89.75	0.78

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