



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-184TC-6-B-D-2
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	2.0	2.0
Speed, RPM	1150	945
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	6.22/3.11	7.6/3.8
Power Factor	0.73	-
Nominal Efficiency	88.5	84.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	J
FL Amps. @ 208 V	6.88165	-
Locked Rotor Current	27.8144	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	85.42	0.43
75%	88.19	0.55
100%	89.08	0.64
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	184TC	
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 3/4"	
Feet Removable	true	
Double Drilled	-	
Paint Color	Graphite Gray	
Paint RAL	7024	
Weight lb	112.455	
MECHANICAL DATA		
DE Bearing	6306ZZ	
NDE Bearing	6306ZZ	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	31.1984	347.0
Pull-Up Torque	23.8258	265.0
Breakdown Torque	39.3801	438.0
Full Load Torque	8.99088	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

Techtop Industries
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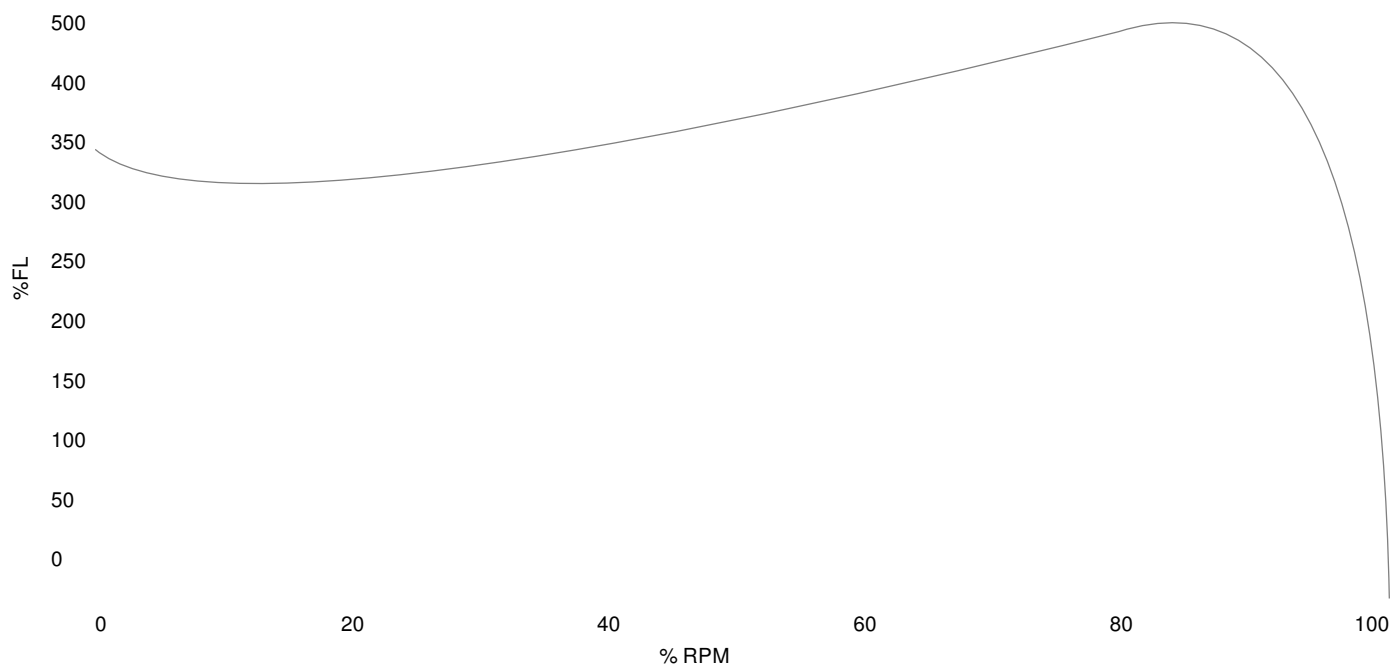
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Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 2.0HP, 1150 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	31.1984	347.0	Start Configuration
Pull-Up Torque	23.8258	265.0	Starting Current (A)
Breakdown Torque	39.3801	438.0	No-Load Current (A)
Full Load	8.99088	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	2.33	-	-	-	-
25	0.5	2.4	489.99	1194.8	76.53	0.26
50	1.0	2.59	878.05	1190.2	85.42	0.43
75	1.5	2.89	1275.6	1185.2	88.19	0.55
100	2.0	3.28	1683.8	1179.8	89.08	0.64
125	2.5	3.74	2103.5	1174.1	89.14	0.71

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