



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-145T-2-B-F-2
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	2.0	2.0
Speed, RPM	3450	-
Voltage	575	-
# Phase	3	
Full Load Amps	2.061366959	-
Power Factor	0.83	-
Nominal Efficiency	85.5	-
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	-	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	3	
Connection	Y	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	84.53	0.67
75%	86.37	0.79
100%	86.27	0.85
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
GR3-CI-TF-145T-2-B-F-2		

GENERAL DATA		
Frame Size	145T	
Frame Enclosure	TEFC	
Mounting	Rigid	
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	48.51	
MECHANICAL DATA		
DE Bearing	6205ZZ	
NDE Bearing	6205ZZ	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavy washer)	NDE	
TORQUE VALUES		
	Torque lb-ft	% FLT
Locked Rotor Torque	8.91226	294.0
Pull-Up Torque	6.12339	202.0
Breakdown Torque	10.0642	332.0
Full Load Torque	3.03138	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

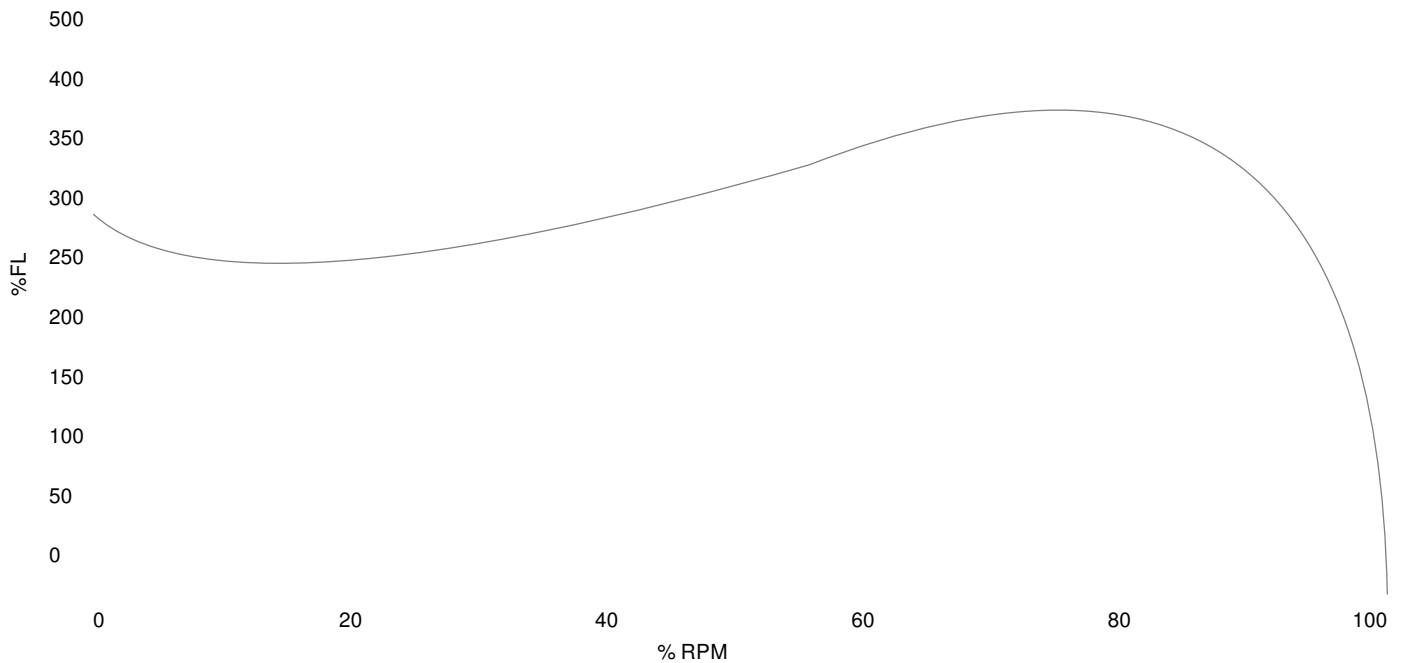
NEMA

MOTOR MODEL:	GR3-CI-TF-145T-2-B-F-2
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 2.0HP, 3450 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	8.91226	294.0	Start Configuration
Pull-Up Torque	6.12339	202.0	Starting Current (A)
Breakdown Torque	10.0642	332.0	No-Load Current (A)
Full Load	3.03138	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.29	-	-	-	-
25	0.5	1.37	489.13	3575.5	76.67	0.45
50	1.0	1.67	887.26	3554.1	84.53	0.67
75	1.5	2.08	1302.5	3529.7	86.37	0.79
100	2.0	2.58	1738.8	3502.4	86.27	0.85
125	2.5	3.14	2199.9	3472.1	85.23	0.88

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