



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-444T-4-BR-F-125
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	125.0	125.0
Speed, RPM	1780	-
Voltage	575	-
# Phase	3	
Full Load Amps	111.5293886	-
Power Factor	0.88	-
Nominal Efficiency	95.4	-
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	K	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	1465.36	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	94.33	0.73
75%	95.38	0.83
100%	95.65	0.87
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	70.0	-
3D Image Link		
GR3-CI-TF-444T-4-BR-F-125		

GENERAL DATA				
Frame Size	444T			
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"			
Feet Removable	-			
Double Drilled	true			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	1479.56			
MECHANICAL DATA				
DE Bearing	6319C3			
NDE Bearing	6319C3			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavy washer)	DE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	1294.77	355.0		
Pull-Up Torque	692.977	190.0		
Breakdown Torque	1240.06	340.0		
Full Load Torque	364.724	100.0		
SITE CONDITIONS				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			



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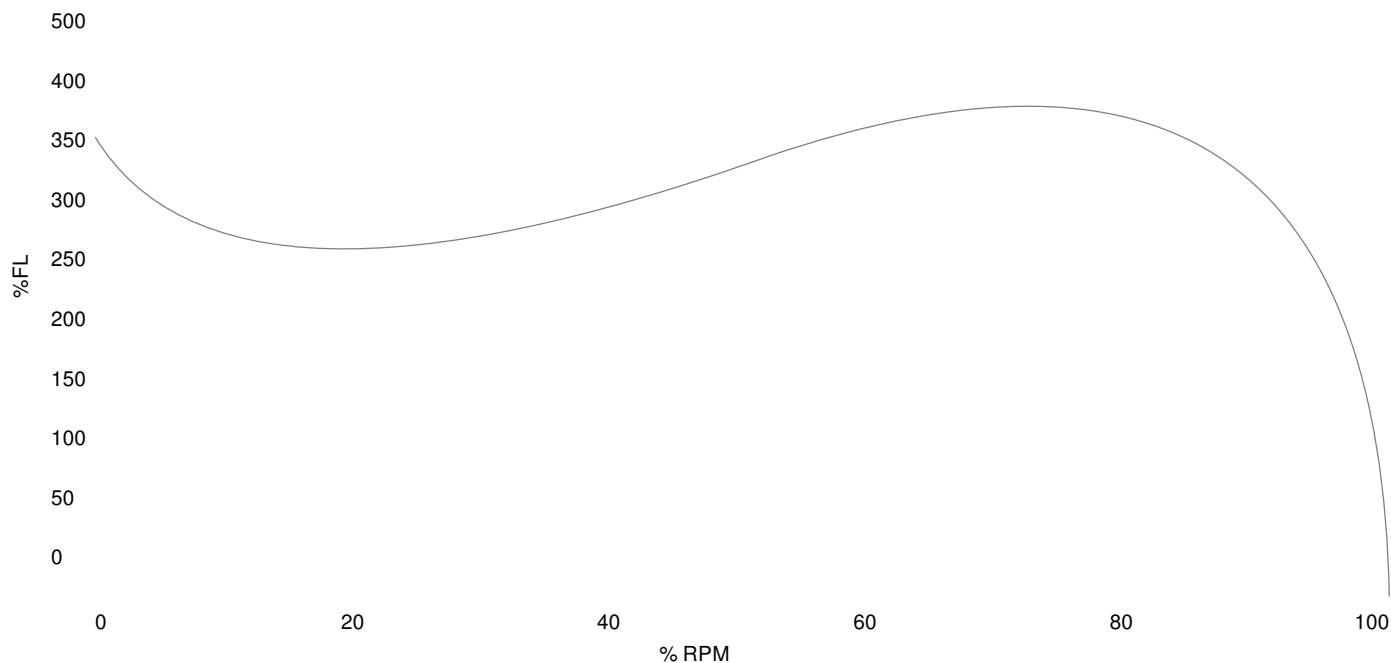
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Non Sinusoidal (VFD) Output 125.0HP, 1780 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	1294.77	355.0	Start Configuration
Pull-Up Torque	692.977	190.0	Starting Current (A)
Breakdown Torque	1240.06	340.0	No-Load Current (A)
Full Load	364.724	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	55.58	-	-	-	-
25	31.25	64.5	25.7	1797.7	90.47	0.5
50	62.5	85.06	49.3	1795.2	94.33	0.73
75	93.75	111.22	73.13	1792.7	95.38	0.83
100	125.0	140.92	97.23	1790.0	95.65	0.87
125	156.25	159.57	111.81	1788.3	95.65	0.88

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