



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-CI-TF-284T-4-BR-D-25
<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	25.0	25.0
Speed, RPM	1770	1460
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	58.84/29.42	70.4/35.2
Power Factor	0.85	-
Nominal Efficiency	93.6	90.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	F
FL Amps. @ 208 V	65.0669	-
LRC @ 60Hz HV	269.106	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	91.59	0.73
75%	92.84	0.82
100%	93.05	0.87
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	51.0	-
3D Image Link		
<a href="#">GR3-CI-TF-284T-4-BR-D-25</a>		

GENERAL DATA				
Frame Size	284T			
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 1-1/2"			
Feet Removable	true			
Double Drilled	-			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	366.03			
MECHANICAL DATA				
DE Bearing	6311C3			
NDE Bearing	6311C3			
dB No-Load	-			
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-			
Comp Ring (wavy washer)	DE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	209.565	283.0		
Pull-Up Torque	152.546	206.0		
Breakdown Torque	259.179	350.0		
Full Load Torque	74.0512	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.

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



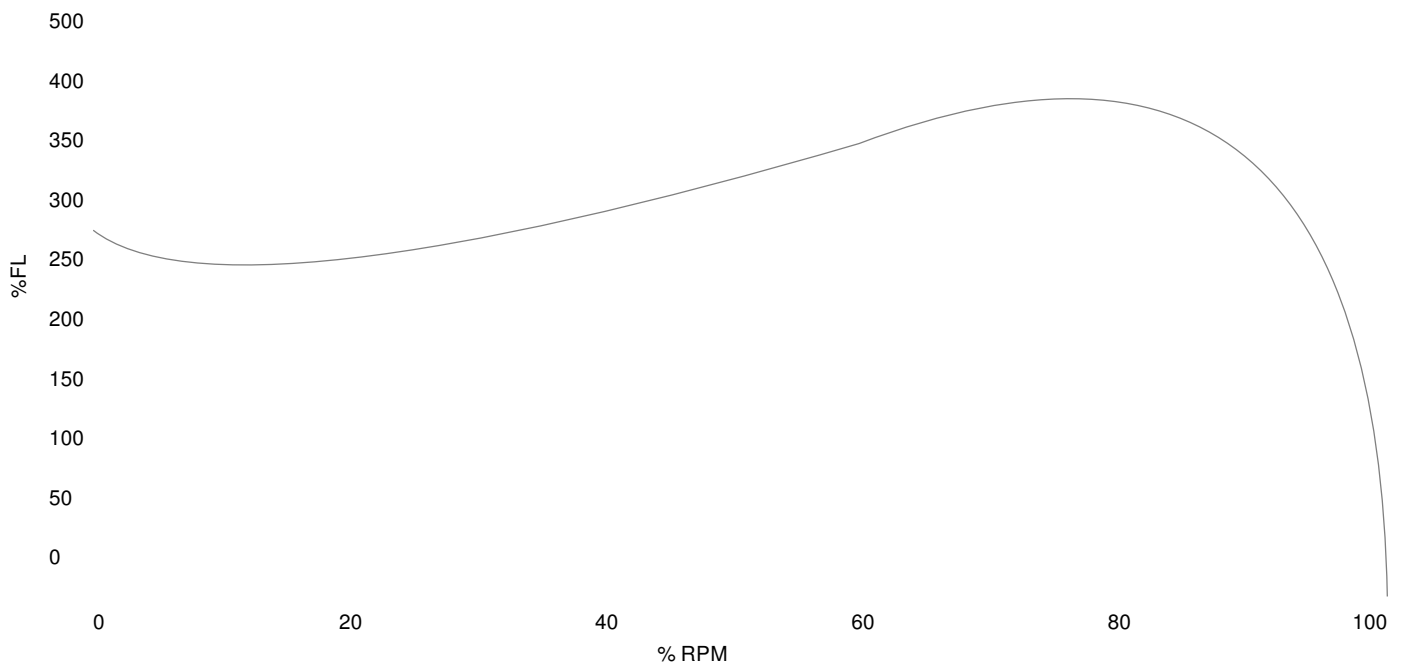
NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	GR3-CI-TF-284T-4-BR-D-25
<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	209.565	283.0	Start Configuration	-
Pull-Up Torque	152.546	206.0	Starting Current (A)	-
Breakdown Torque	259.179	350.0	No-Load Current (A)	-
Full Load	74.0512	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	11.63	-	-	-	-
25	6.25	11.99	5.36	1793.7	86.79	0.56
50	12.5	17.43	10.15	1788.3	91.59	0.73
75	18.75	22.92	15.03	1782.5	92.84	0.82
100	25.0	28.72	19.99	1776.1	93.05	0.87
125	31.25	35.08	25.06	1769.2	92.77	0.9

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