



NEMA Premium

NEMA

MOTOR MODEL:	GR3-AL-TF-184T-2-B-D-5
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	5.0	5.0
Speed, RPM	3510	2900
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	11.5/5.77	13.5/6.75
Power Factor	0.91	-
Nominal Efficiency	88.5	87.1
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	J
FL Amps. @ 208 V	12.7	-
Locked Rotor Current	45.0	-
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%	88.0	0.7579
75%	88.8	0.8573
100%	88.5	0.87
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	45.0	45.0
3D Image Link		
GR3-AL-TF-184T-2-B-D-5		

GENERAL DATA				
Frame Size	184T			
Frame Enclosure	TEFC			
Mounting	Rigid			
Insulation Class	F			
Duty	Cont. / S1			
NEMA Design	A			
Frame Material	Cast Aluminum			
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	62.0			
MECHANICAL DATA				
DE Bearing	6306ZZ			
NDE Bearing	6206ZZ			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavy washer)	NDE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	22.3368	299.0		
Pull-Up Torque	17.9292	240.0		
Breakdown Torque	32.8703	440.0		
Full Load Torque	7.47051	-		
SITE CONDITIONS				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			

*This report valid for above Date Code and newer models, please contact Techtop for more info.

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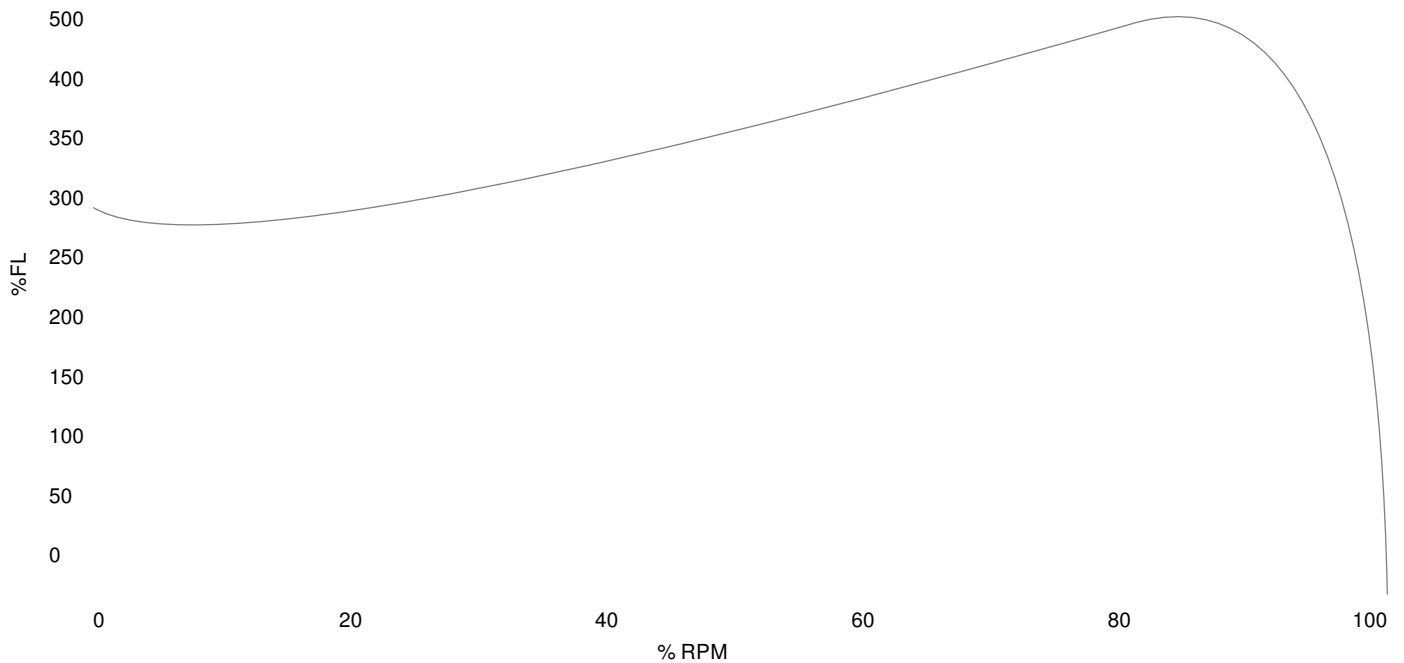
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FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 5.0HP, 3510 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	22.3368	299.0	Start Configuration
Pull-Up Torque	17.9292	240.0	Starting Current (A)
Breakdown Torque	32.8703	440.0	No-Load Current (A)
Full Load	7.47051	-	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	2.01	-	-	0.0	-
25	1.25	2.654	1.11458	3579.0	83.63	0.5257
50	2.5	3.499	2.11847	3561.0	88.0	0.7579
75	3.75	4.599	3.14907	3542.0	88.8	0.8573
100	5.0	6.1	4.21299	3510.0	88.5	0.87
125	6.25	7.178	5.30159	3501.0	87.91	0.9247

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