NEMA Premium

NEMA

MOTOR MODEL:	GR3-AL-TF-184TC-4-B-D-5
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	5.0	5.0
Speed, RPM	1750	1445
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	12.4/6.18	14.5/7.25
Power Factor	0.84	-
Nominal Efficiency	89.5	88.4
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	13.2	-
LRC @ 60Hz HV	103.939	-
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%	-	-
75%	-	-
100%	-	-

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	37.0	37.0

3D Image Link
Not available for this motor

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

GENERAL DATA	
Frame Size	184TC
Frame Enclosure	TEFC
Mounting	Rigid/C-Flange
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	73.5

MECHANICAL DATA	
DE Bearing	6306ZZ
NDE Bearing	6206ZZ
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	37.8741	253.0
Pull-Up Torque	33.6825	225.0
Breakdown Torque	54.1914	362.0
Full Load Torque	14.97	100.0

SITE CONDITIONS	
Ambient Temp °C	40
Altitude Above Sea Level m	1000

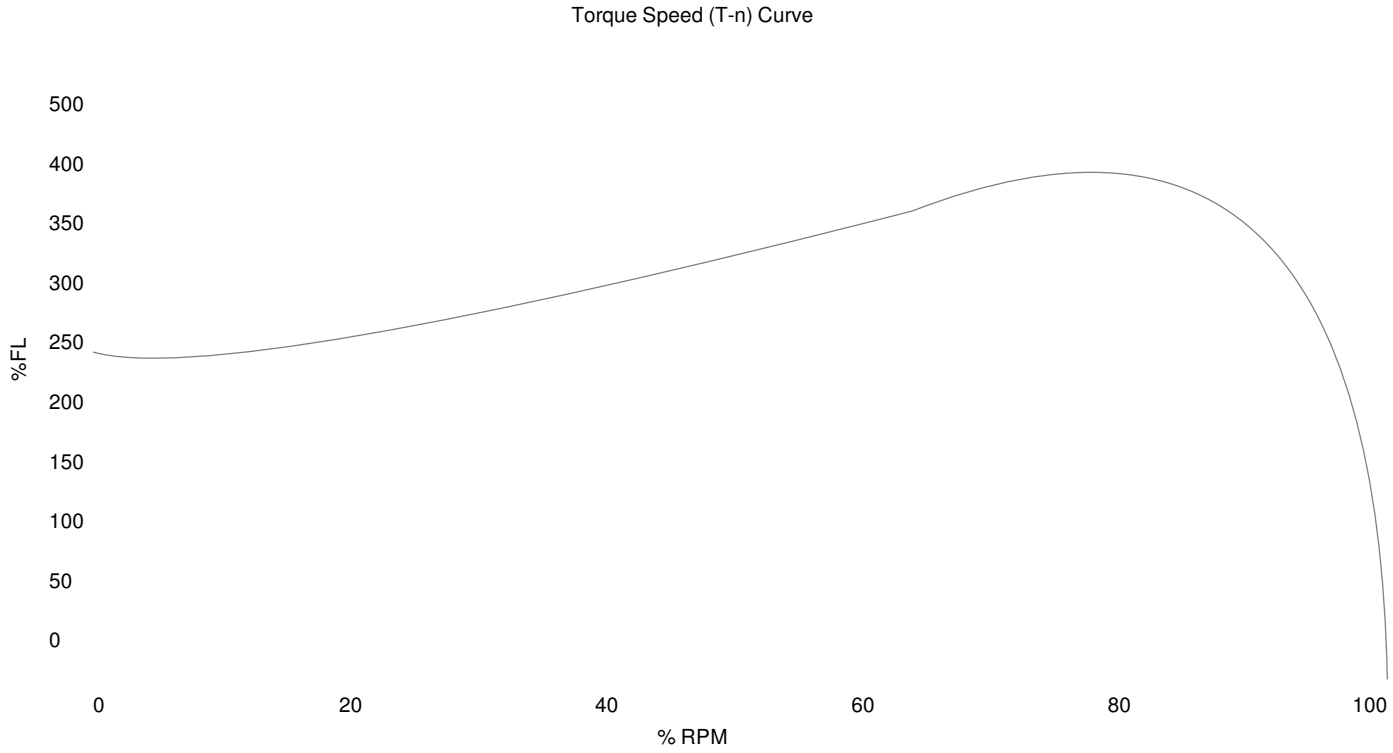
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FACTORY TYPE:	TXA

NEMA

Premium NEMA Cast Aluminum, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	37.8741	253.0	Start Configuration	-
Pull-Up Torque	33.6825	225.0	Starting Current (A)	-
Breakdown Torque	54.1914	362.0	No-Load Current (A)	-
Full Load	14.97	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	1.25	-	-	-	-	-
50	2.5	-	-	-	-	-
75	3.75	-	-	-	-	-
100	5.0	-	-	-	-	-
125	6.25	-	-	-	-	-

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