NEMA Premium

NEMA

MOTOR MODEL:	GR3-AL-TF-184TC-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	-
LRC @ 60Hz HV	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		
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	62.0
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	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	

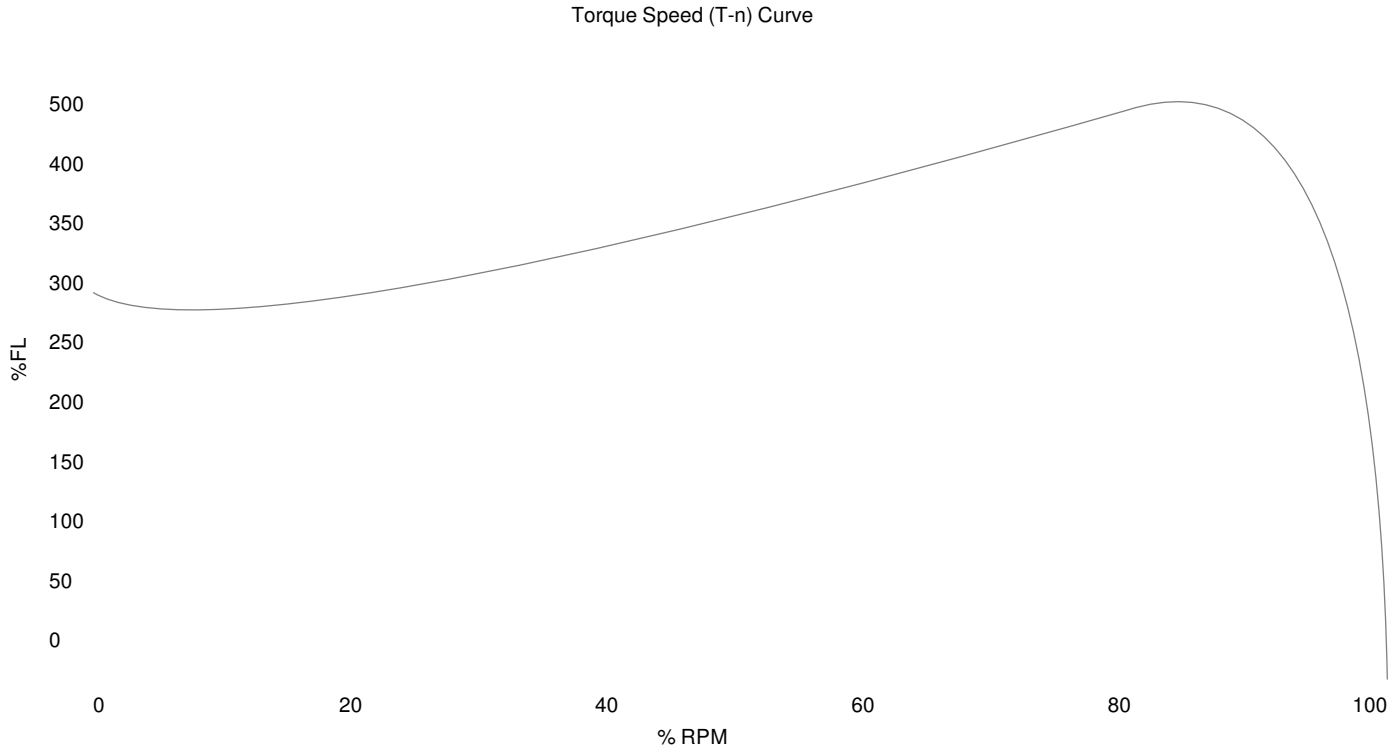
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FACTORY TYPE:	TXA

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Premium NEMA Cast Aluminum, TEFC



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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