NEMA Premium

MOTOR MODEL:	GR3-AL-TF-182TC-4-B-D-3
FACTORY TYPE:	TXA

NEMA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	3.0	3.0
Speed, RPM	1760	1455
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	7.62/3.81	8.86/4.43
Power Factor	0.81	-
Nominal Efficiency	89.5	88.4
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	J
FL Amps. @ 208 V	8.03	-
LRC @ 60Hz HV	37.7543	-
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	24.0	24.0
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	182TC
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	22.7661	259.0
Pull-Up Torque	21.7992	248.0
Breakdown Torque	37.0059	421.0
Full Load Torque	8.79	100.0

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

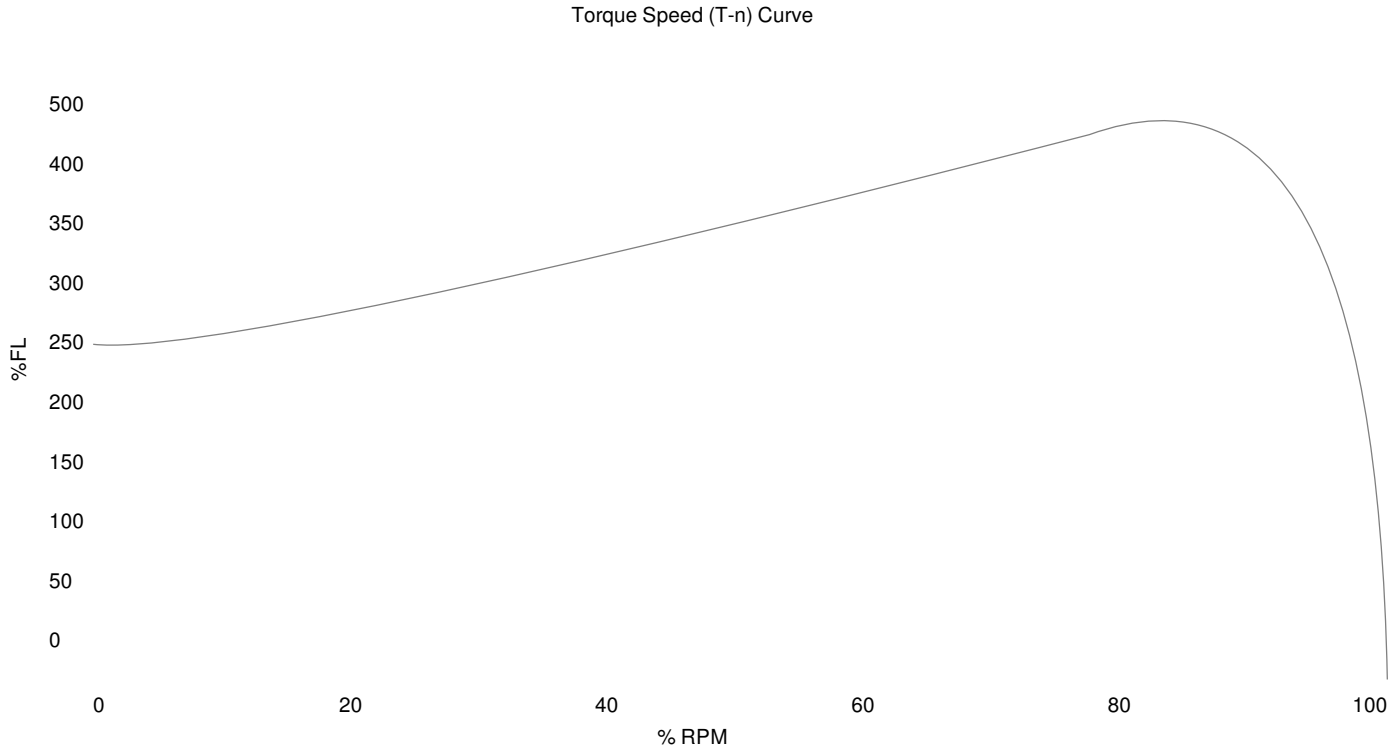
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MOTOR MODEL:	GR3-AL-TF-182TC-4-B-D-3
FACTORY TYPE:	TXA

NEMA

Premium NEMA Cast Aluminum, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	22.7661	259.0	Start Configuration	-
Pull-Up Torque	21.7992	248.0	Starting Current (A)	-
Breakdown Torque	37.0059	421.0	No-Load Current (A)	-
Full Load	8.79	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.95	-	-	-	-
25	0.75	-	-	-	-	-
50	1.5	-	-	-	-	-
75	2.25	-	-	-	-	-
100	3.0	-	-	-	-	-
125	3.75	-	-	-	-	-

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