NEMA Premium

NEMA

MOTOR MODEL:	GR3-AL-TF-215TC-2-B-D-10
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	10.0	10.0
Speed, RPM	3520	2910
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	22.6/11.3	26.6/13.3
Power Factor	0.92	-
Nominal Efficiency	90.2	89.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	25.8	-
LRC @ 60Hz HV	239.516	-
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	42.6	45.3

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	215TC
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 1”
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	115.0

MECHANICAL DATA	
DE Bearing	6308ZZ
NDE Bearing	6208ZZ
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	42.4348	283.0
Pull-Up Torque	6.44769	43.0
Breakdown Torque	67.9257	453.0
Full Load Torque	14.9946	100.0

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

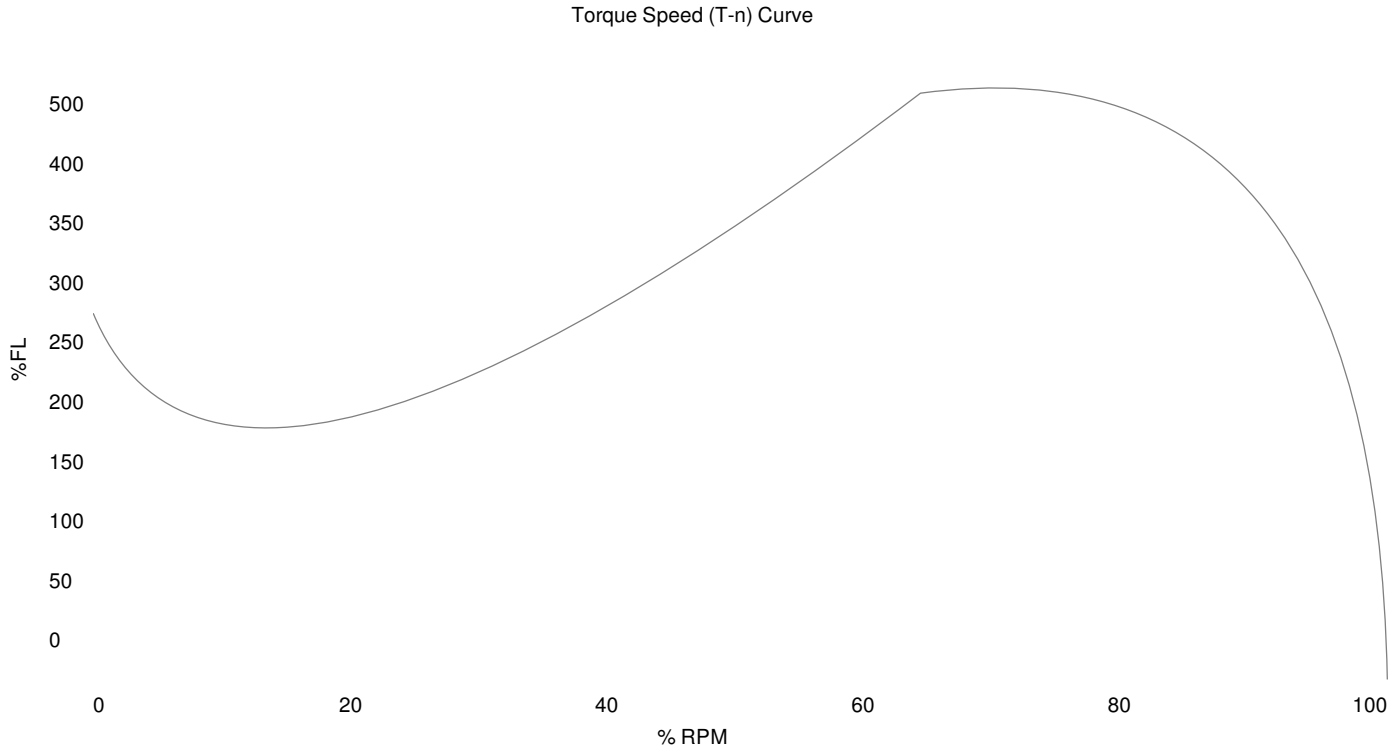
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FACTORY TYPE:	TXA

NEMA

Premium NEMA Cast Aluminum, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	42.4348	283.0	Start Configuration	-
Pull-Up Torque	6.44769	43.0	Starting Current (A)	-
Breakdown Torque	67.9257	453.0	No-Load Current (A)	-
Full Load	14.9946	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	2.5	-	-	-	-	-
50	5.0	-	-	-	-	-
75	7.5	-	-	-	-	-
100	10.0	-	-	-	-	-
125	12.5	-	-	-	-	-

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