NEMA Premium

MOTOR MODEL:	GR3-AL-TF-215T-2-B-D-15
FACTORY TYPE:	TXA

NEMA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	15.0	15.0
Speed, RPM	3530	2910
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	33.0/16.5	38.6/19.3
Power Factor	0.92	-
Nominal Efficiency	91.0	90.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	35.6	-
LRC @ 60Hz HV	186.53	-
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%	92.22	0.83
75%	92.77	0.9
100%	92.38	0.92
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	53.4	54.0
3D Image Link		
GR3-AL-TF-215T-2-B-D-15		

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

GENERAL DATA	
Frame Size	215T
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 1”
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	135.0
MECHANICAL DATA	
DE Bearing	6308ZZ
NDE Bearing	6208ZZ
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	NDE

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	78.6506	357.0
Pull-Up Torque	17.1842	78.0
Breakdown Torque	103.986	472.0
Full Load Torque	22.031	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

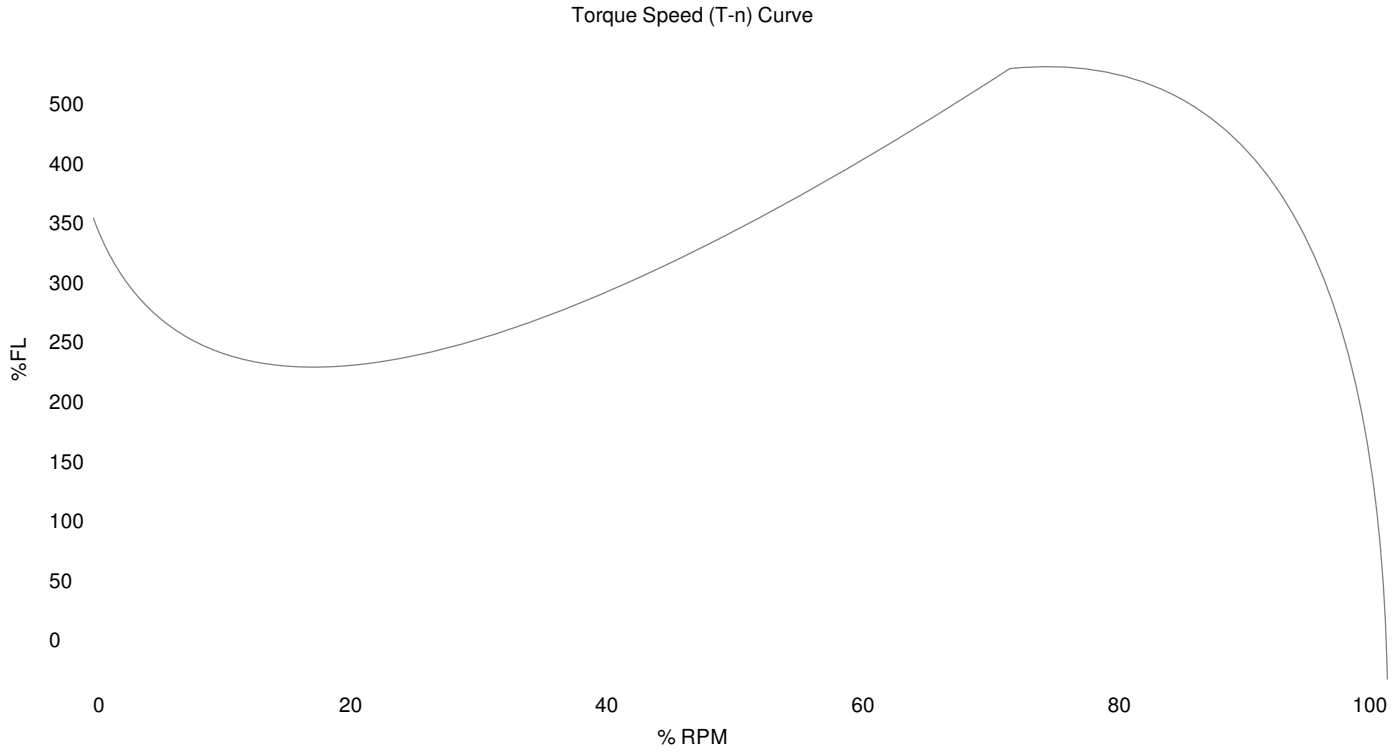
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MOTOR MODEL:	GR3-AL-TF-215T-2-B-D-15
FACTORY TYPE:	TXA

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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	78.6506	357.0	Start Configuration	-
Pull-Up Torque	17.1842	78.0	Starting Current (A)	-
Breakdown Torque	103.986	472.0	No-Load Current (A)	-
Full Load	22.031	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	4.59	-	-	-	-
25	3.75	6.03	3108.4	3582.8	88.47	0.65
50	7.5	8.99	5963.9	3566.3	92.22	0.83
75	11.25	12.42	8893.0	3548.7	92.77	0.9
100	15.0	16.22	11907.0	3530.0	92.38	0.92
125	18.75	20.26	15013.0	3510.1	91.59	0.93

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