NEMA Premium

NEMA

MOTOR MODEL:	GR3-AL-TF-56C-4-B-D-1
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.0	1.0
Speed, RPM	1745	1430
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	3.52-3.18/1.59	3.56/1.78
Power Factor	0.69	-
Nominal Efficiency	85.5	83.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	3.52	-
Locked Rotor Current	12.1502	-
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	26.0	-
3D Image Link		
GR3-AL-TF-56C-4-B-D-1		

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

GENERAL DATA	
Frame Size	56C
Frame Enclosure	TEFC
Mounting	Rigid/C-Flange
Insulation Class	F
Duty	Cont. / S1
NEMA Design	B
Frame Material	Cast Aluminum
Ingress Protection	55
Tropicalization	true
Cable Entry	1-NPT 1/2”
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	25.7
MECHANICAL DATA	
DE Bearing	6204ZZ
NDE Bearing	6204ZZ
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	NDE

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	11.4307	378.0
Pull-Up Torque	10.9771	363.0
Breakdown Torque	13.5778	449.0
Full Load Torque	3.024	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
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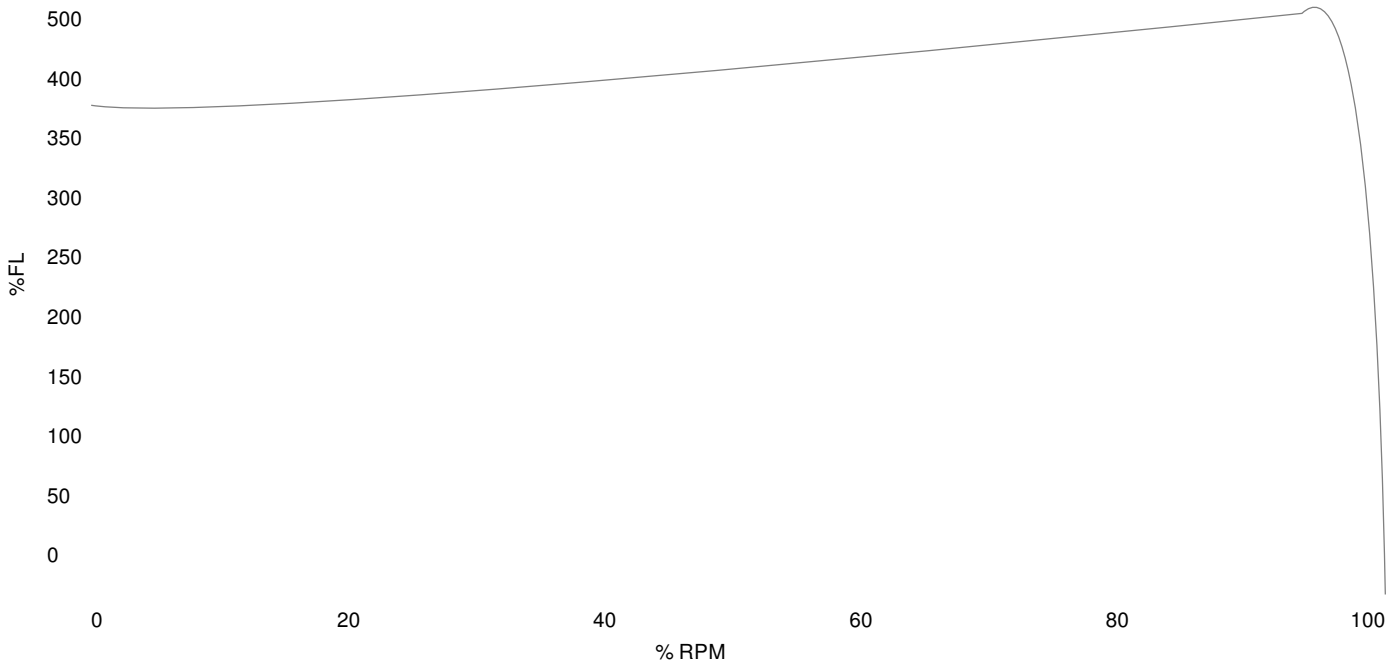
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

Non Sinusodial (VFD) Output 1.0HP, 1745 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	11.4307	378.0	Start Configuration	-
Pull-Up Torque	10.9771	363.0	Starting Current (A)	-
Breakdown Torque	13.5778	449.0	No-Load Current (A)	-
Full Load	3.024	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.12	-	-	-	-
25	0.25	-	-	-	-	-
50	0.5	-	-	-	-	-
75	0.75	-	-	-	-	-
100	1.0	-	-	-	-	-
125	1.25	-	-	-	-	-

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