



Three Phase Aluminum

NEMA

MOTOR MODEL:	GR3-AL-TF-56C-4-B-D-.75
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	0.75	0.75
Speed, RPM	1750	1430
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	2.76-2.5/1.25	2.82/1.41
Power Factor	0.68	-
Nominal Efficiency	81.5	77.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	2.76	-
LRC @ 60Hz HV	8.6528	-
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	29.7	-
3D Image Link		
GR3-AL-TF-56C-4-B-D-.75		

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	20.2	
MECHANICAL DATA		
DE Bearing	6204ZZ	
NDE Bearing	6204ZZ	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavy washer)	NDE	
TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	7.7413	343.0
Pull-Up Torque	6.5677	291.0
Breakdown Torque	8.91491	395.0
Full Load Torque	2.25694	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

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



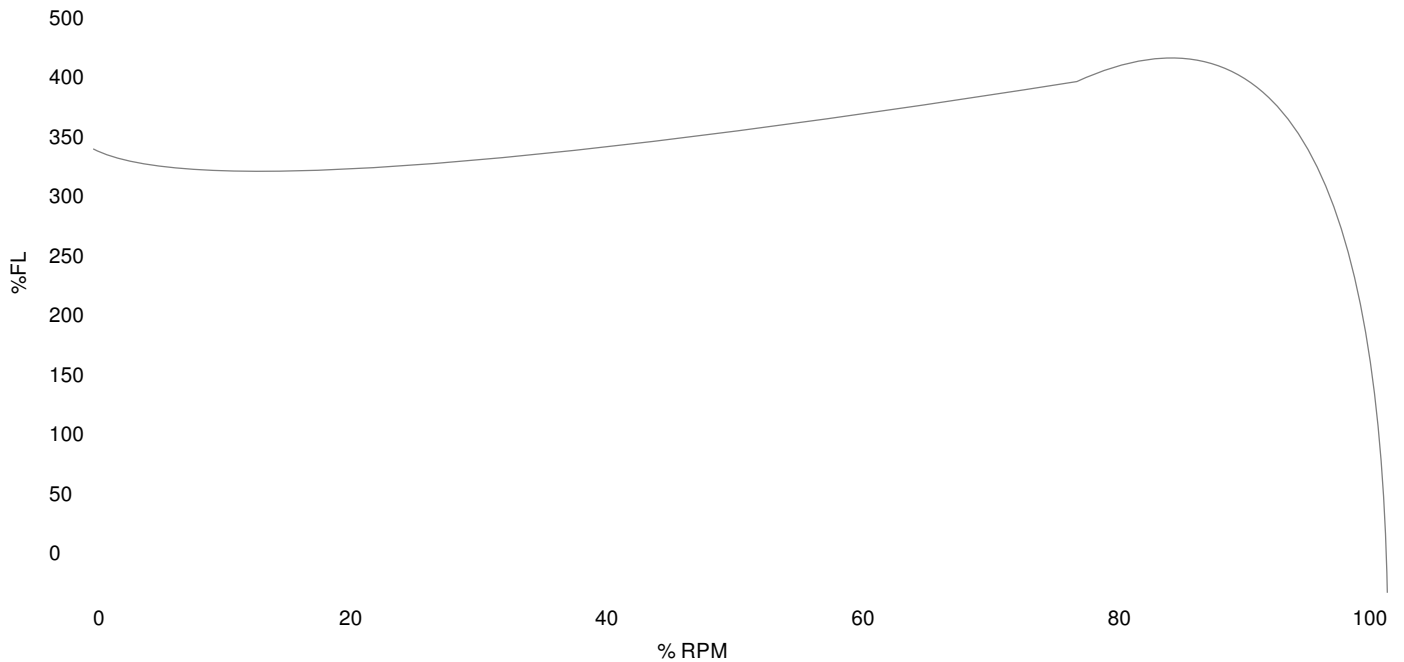
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

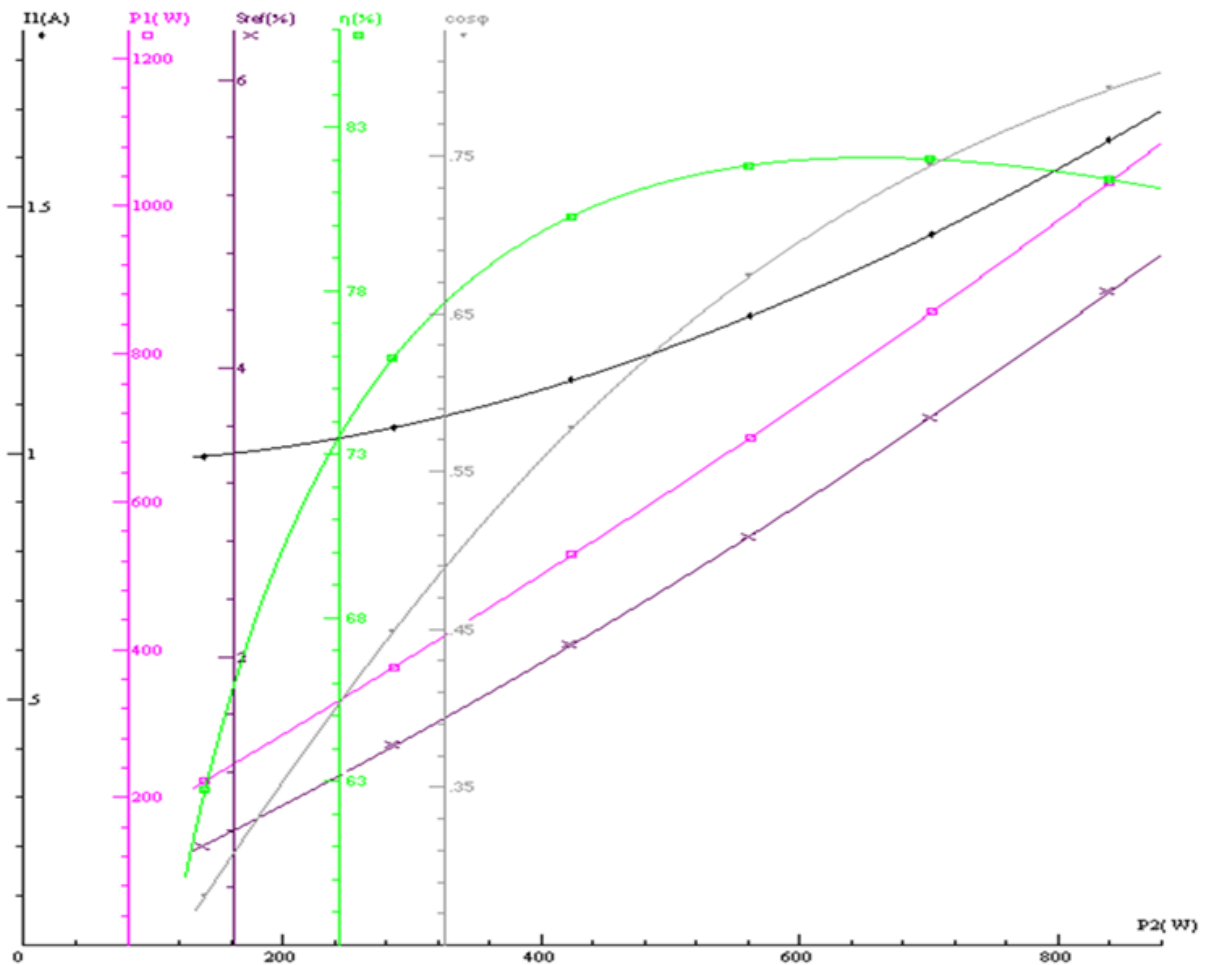
Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	7.7413	343.0	Start Configuration
Pull-Up Torque	6.5677	291.0	Starting Current (A)
Breakdown Torque	8.91491	395.0	No-Load Current (A)
Full Load	2.25694	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	0.99	-	-	-	-
25	0.1875	-	-	-	-	-
50	0.375	-	-	-	-	-
75	0.5625	-	-	-	-	-
100	0.75	-	-	-	-	-
125	0.9375	-	-	-	-	-

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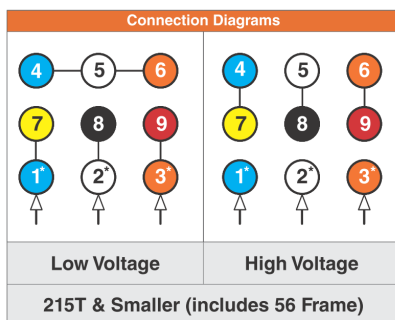
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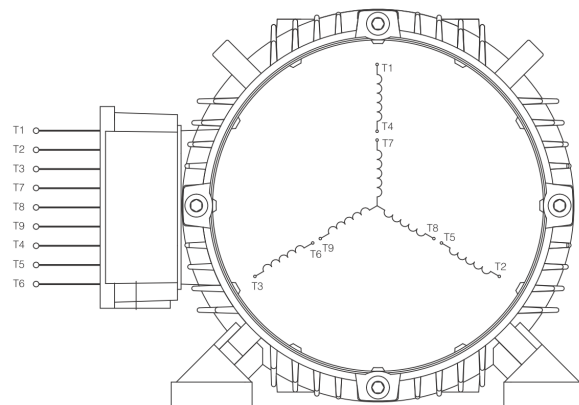
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3 Phase NEMA YYY 9 Lead 230/460V



Wire	Color
T1, T4	Blue
T5, T2	White
T6, T3	Orange
T7	Yellow
T8	Black
T9	Red



When motor is in F1 position, leads shown with ** exit the casing above the center line of the motor, the remaining leads exit below the center line. This information can be used to identify missing or mislabelled leads.

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