IE3

IEC

MOTOR MODEL:	GR3-AL-TF-80B34-2-B-D-2
FACTORY TYPE:	TXA

IE3 IEC Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	2.0	2.0
Speed, RPM	3500	2870
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	5.79-5.24/2.62	6.20/3.10
Power Factor	0.84	-
Nominal Efficiency	85.5	83.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	H
FL Amps. @ 208 V	5.79	-
LRC @ 60Hz HV	24.4068	-
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	43.2	-
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	80B34
Frame Enclosure	TEFC
Mounting	B34
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	26.5
MECHANICAL DATA	
DE Bearing	6204ZZ
NDE Bearing	6204ZZ
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	10.6747	353.0
Pull-Up Torque	8.92081	295.0
Breakdown Torque	12.8218	424.0
Full Load Torque	3.024	100.0

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

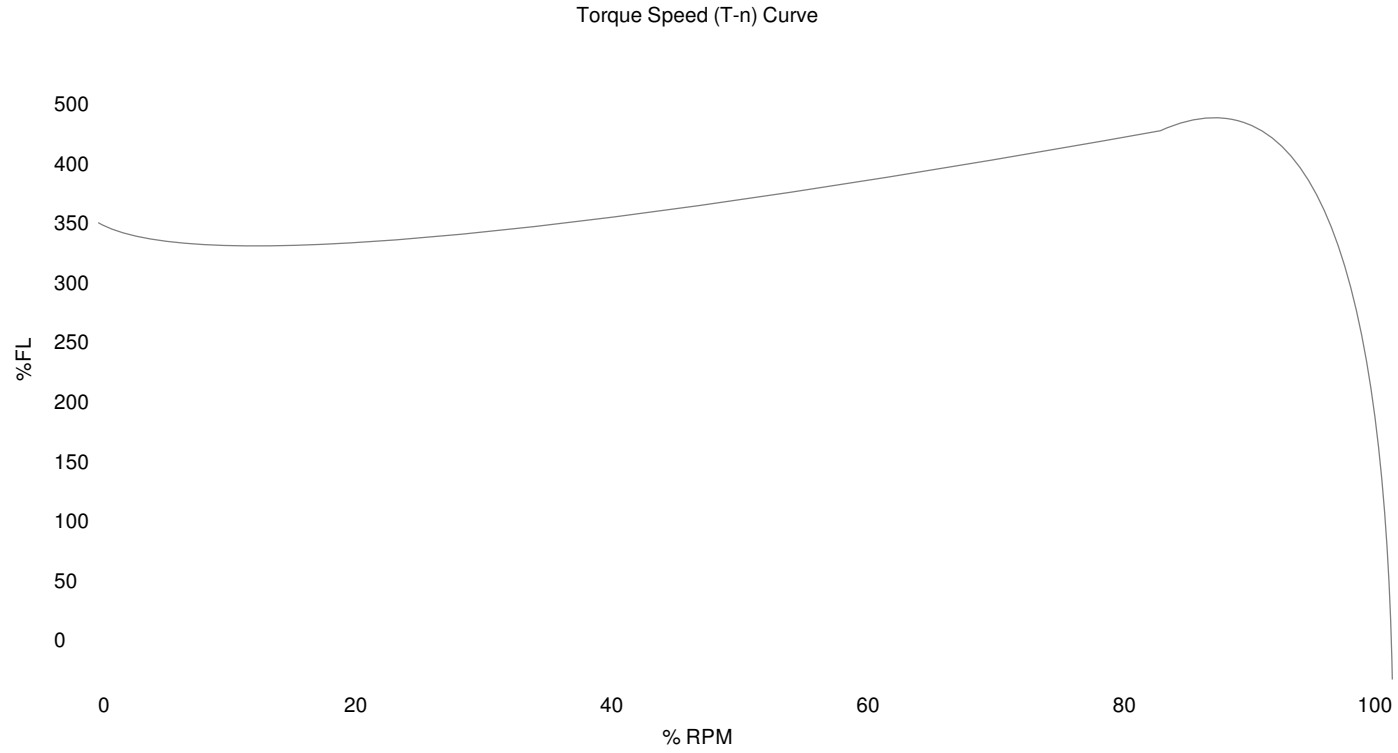
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MOTOR MODEL:	GR3-AL-TF-80B34-2-B-D-2
FACTORY TYPE:	TXA

IE3 IEC Cast Aluminum, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	10.6747	353.0	Start Configuration	-
Pull-Up Torque	8.92081	295.0	Starting Current (A)	-
Breakdown Torque	12.8218	424.0	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	-	1.3	-	-	-	-
25	0.5	-	-	-	-	-
50	1.0	-	-	-	-	-
75	1.5	-	-	-	-	-
100	2.0	-	-	-	-	-
125	2.5	-	-	-	-	-

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