IE3

IEC

MOTOR MODEL:	GR3-AL-TF-80B35-2-B-D-1
FACTORY TYPE:	TXA

IE3 IEC Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.0	1.0
Speed, RPM	3490	2850
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	3.43-3.1/1.55	3.48/1.74
Power Factor	0.77	-
Nominal Efficiency	79.0	77.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	G
FL Amps. @ 208 V	3.43	-
LRC @ 60Hz HV	11.3832	-
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%	73.452	0.54488
75%	77.878	0.6886
100%	79.083	0.78361
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	53.4	-
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	80B35
Frame Enclosure	TEFC
Mounting	B35
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	18.2
MECHANICAL DATA	
DE Bearing	6204ZZ
NDE Bearing	6204ZZ
dB No-Load	-
Rotor Wk^2, $Lb\text{-}Ft^2$	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	4.73294	310.0
Pull-Up Torque	3.31306	217.0
Breakdown Torque	4.82454	316.0
Full Load Torque	1.52675	100.0

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

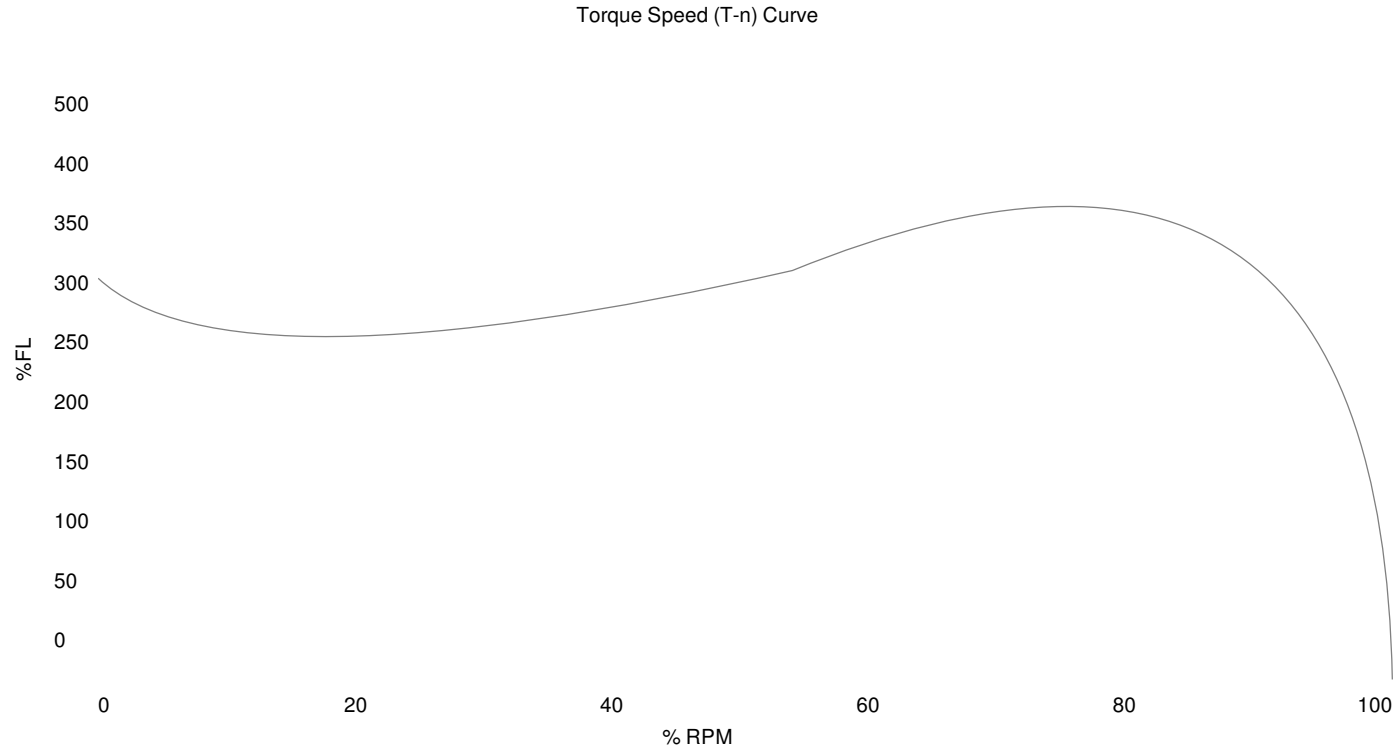
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MOTOR MODEL:	GR3-AL-TF-80B35-2-B-D-1
FACTORY TYPE:	TXA

IE3 IEC Cast Aluminum, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	4.73294	310.0	Start Configuration	-
Pull-Up Torque	3.31306	217.0	Starting Current (A)	-
Breakdown Torque	4.82454	316.0	No-Load Current (A)	-
Full Load	1.52675	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.11	-	-	-	-
25	0.25	1.103	310.6	3570.0	60.367	0.35343
50	0.5	1.176	510.54	3546.6	73.452	0.54488
75	0.75	1.3165	722.28	3518.9	77.878	0.6886
100	1.0	1.519	948.37	3487.0	79.083	0.78361
125	1.25	1.7765	1191.9	3450.7	78.656	0.84209

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