



IE3

IEC

MOTOR MODEL:	GR3-AL-TF-80B3-2-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	3.1-3.1/1.55	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	3.1	-
Locked Rotor Current	11.3832	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
<b>Load</b>	<b>Efficiency %</b>	<b>P.F.</b>
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	53.4	-
<b>3D Image Link</b>		
<a href="#">GR3-AL-TF-80B3-2-B-D-1</a>		

GENERAL DATA		
Frame Size	80	
Frame Enclosure	TEFC	
Mounting	B3	
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 Wk², Lb-Ft²	-	
Comp Ring (wavey washer)	NDE	
TORQUE VALUES		
	<b>Torque lb-ft</b>	<b>% FLT</b>
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	

Techtop Industries  
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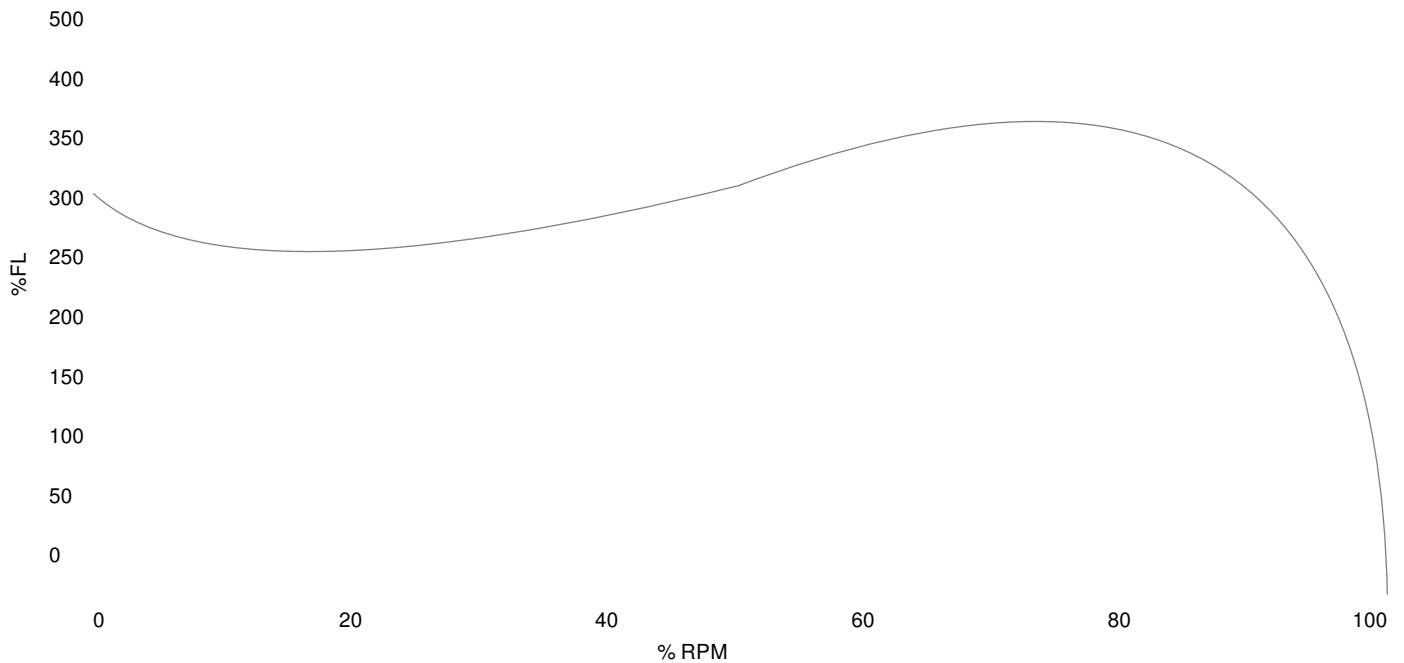
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## IE3 IEC Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 1.0HP, 3490 RPM

Torque Speed (T-n) Curve



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	-	-	-	-	-
50	0.5	-	-	-	-	-
75	0.75	-	-	-	-	-
100	1.0	-	-	-	-	-
125	1.25	-	-	-	-	-

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