



IE3

IEC

MOTOR MODEL:	GR3-AL-TF-80B3-2-B-D-1.5
FACTORY TYPE:	TXA

IE3 IEC Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.5	1.5
Speed, RPM	3500	2870
Voltage	208-230/460	190/380
# Phase	3	
Full Load Amps	4.31-3.9/1.95	4.68/2.34
Power Factor	0.84	-
Nominal Efficiency	84.0	82.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	M	H
FL Amps. @ 208 V	4.31	-
Locked Rotor Current	19.0515	-
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	40.5	-
3D Image Link		
GR3-AL-TF-80B3-2-B-D-1.5		

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	24.1		
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		7.10862	316.0
Pull-Up Torque		6.05133	269.0
Breakdown Torque		8.36838	372.0
Full Load Torque		2.24956	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 Techttop for more info.



IE3

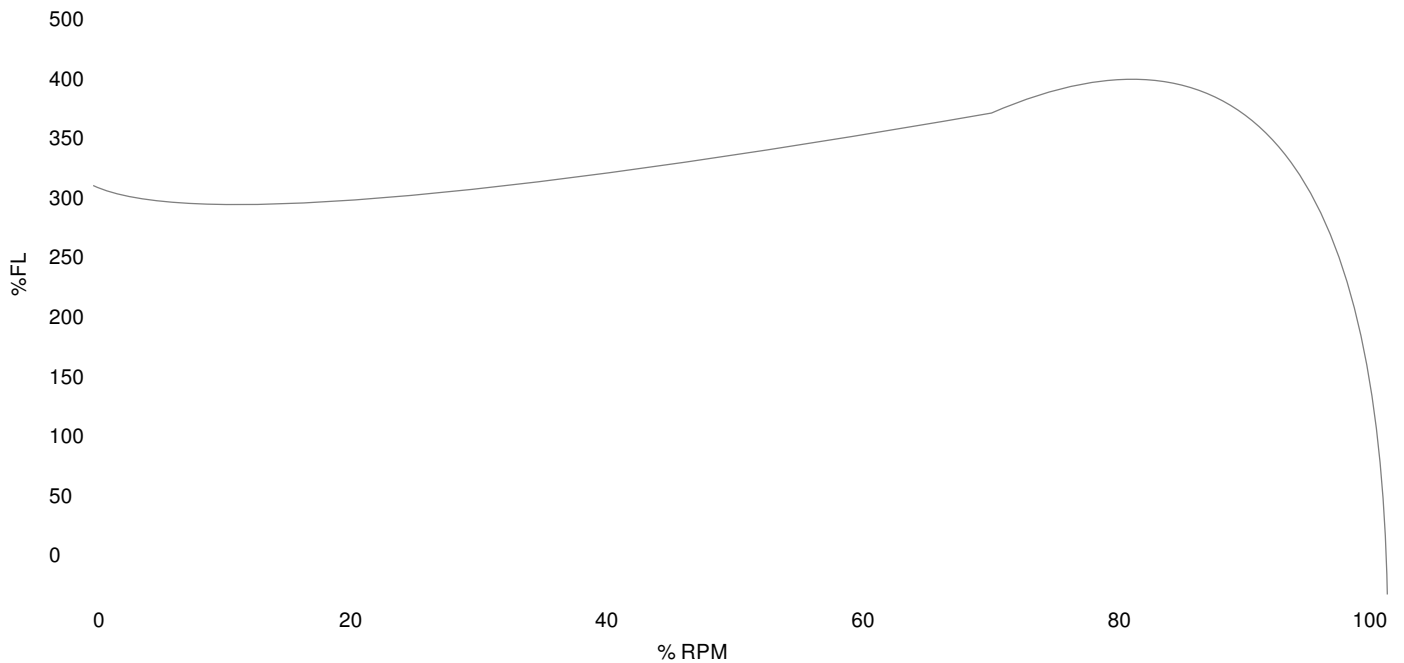
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IE3 IEC Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 1.5HP, 3500 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	7.10862	316.0	Start Configuration
Pull-Up Torque	6.05133	269.0	Starting Current (A)
Breakdown Torque	8.36838	372.0	No-Load Current (A)
Full Load	2.24956	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	0.99	-	-	-	-
25	0.375	-	-	-	-	-
50	0.75	-	-	-	-	-
75	1.125	-	-	-	-	-
100	1.5	-	-	-	-	-
125	1.875	-	-	-	-	-

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