



Model Number GR3-AL-TF-80B3-2-B-D-1-230|460-60

MFG PN T 801-2

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	1 HP	Frame Size	80
Rated Motor Speed	3480 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	20.46
Rated Motor Current	3.06/1.53 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	55
KVA Code	K	Insulation Class	F
Nominal Efficiency	77 %	Tropicalization	YES
Nominal Power Factor	0.79 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	2.28656 Ft-Lb	Cable Entry	M20 X 1.5
Temp Rise @ Full Load °C	41.1	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

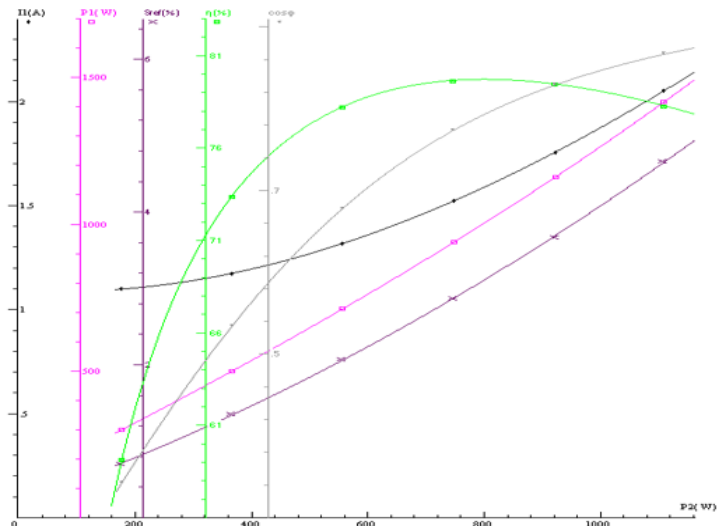
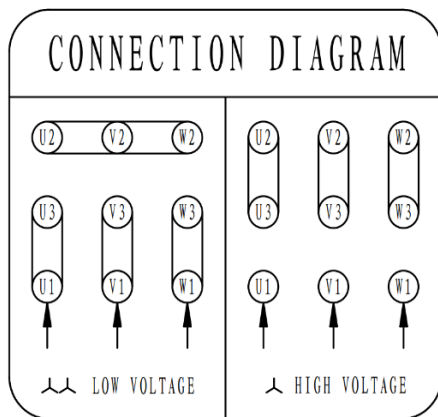
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	310	11.3	Rated Altitude (M)	1000
Breakdown	-	316	-	Coating	7024 - Graphite Grey
Pull Up	-	217	-	Shaft Grounding	NO
125% of FL	3464	-	1.77	Brake Voltage (DC)	--
75% of FL	3525	-	1.32	Brake Torque (N-M)	--
50% of FL	3550	-	1.17	Mechanical Data	
No Load	--	-	1.1		

Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing DE Side	6204ZZ
				Bearing NDE Side	6204ZZ
				Moment of Inertia	-- kg.m2
				Noise Level	Per NEMA dB (A)

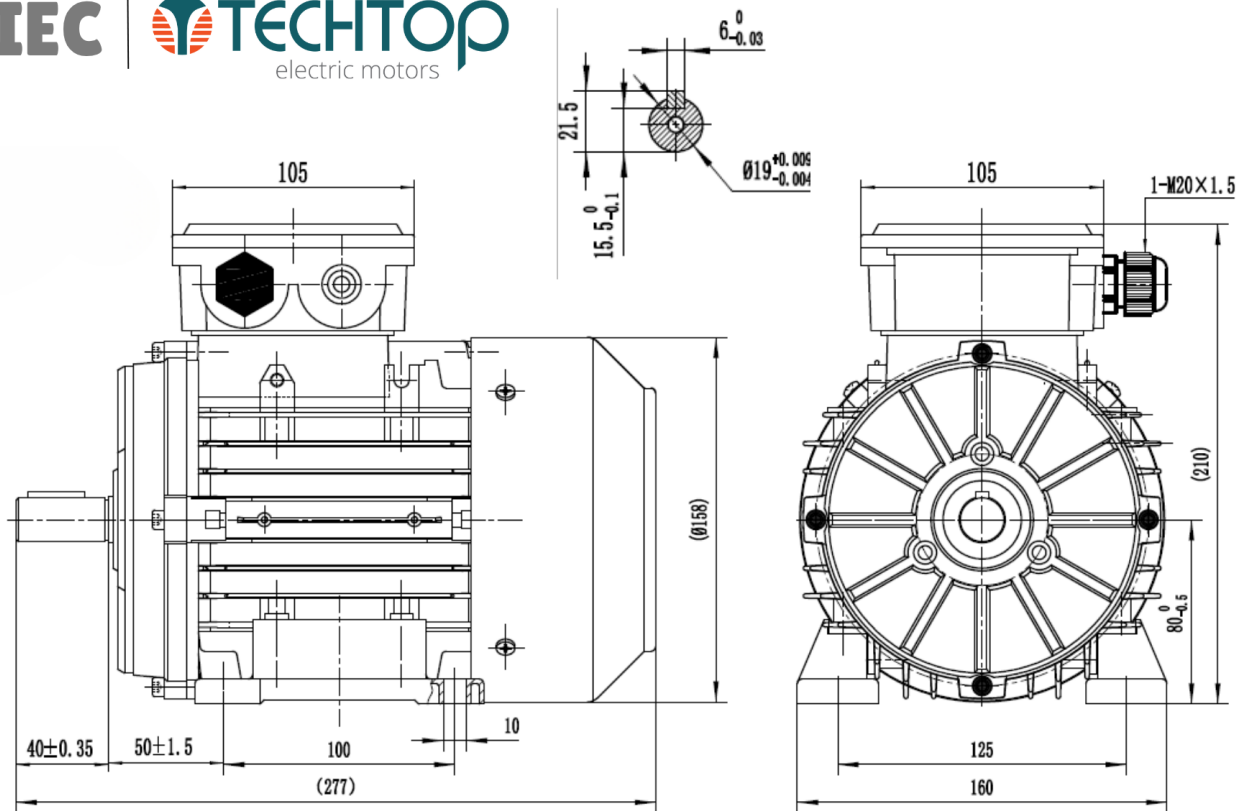
CT VFD Range	--	Loaded Torque Curves	--
P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor			

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A

Wiring Diagram	3PH 9 Lead IEC Dual Voltage
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MODEL NUMBER	GR-80B3-AL	ISSUE DATE:	04/2025
DIMENSIONS	in		
CASTING MATERIAL	ALUMINUM		WWW.TECHTOPIND.COM

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