TECHTOP electric motors		**Model Number**	**GR3-AL-TF-80B3-2-B-D-2-230|460-60**
		MFG PN	**T803-2**
		List Price	**--**

All data shown at HIGH voltage setting — Format: STD 3 Phase

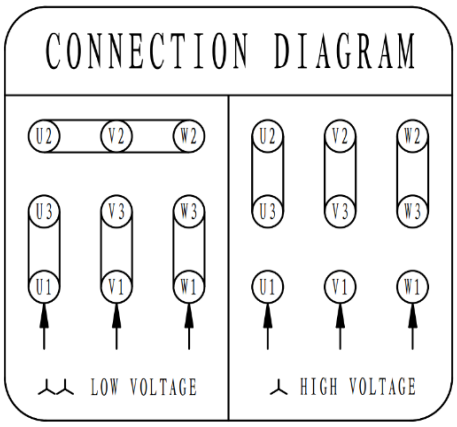
Electrical Data		**General Data**	
Rated Motor Output Power	2 HP	Frame Size	80
Rated Motor Speed	3500 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	25.52
Rated Motor Current	5.30/2.65 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	55
KVA Code	L	Insulation Class	F
Nominal Efficiency	85.5 %	Tropicalization	YES
Nominal Power Factor	0.83 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	2.603728 Ft-Lb	Cable Entry	M20 X 1.5
Temp Rise @ Full Load °C	47.4	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

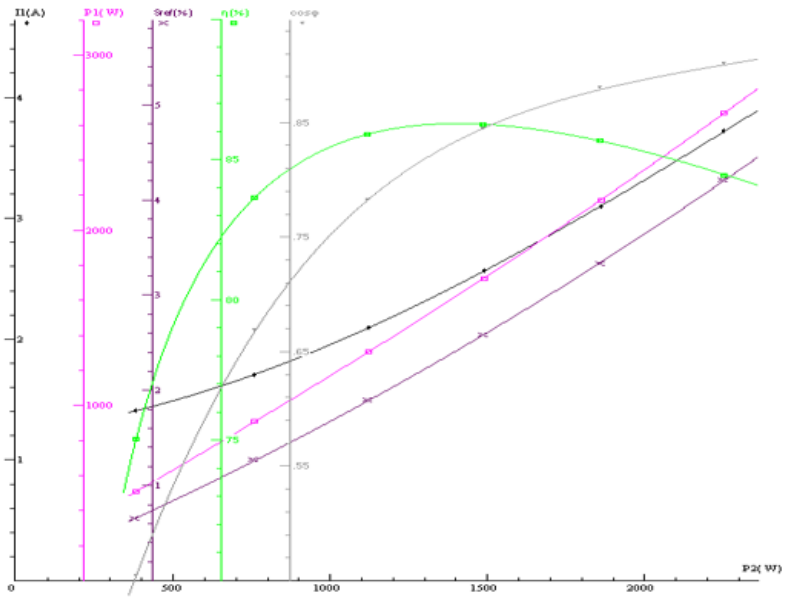
Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	353	24.31	Rated Altitude (M)	1000
Breakdown	-	424	-	Coating	7024 - Graphite Grey
Pull Up	-	295	-	Shaft Grounding	NO
125% of FL	3479	-	3.12	Brake Voltage (DC)	--
75% of FL	3532	-	2	Brake Torque (N-M)	--
50% of FL	3555	-	1.69	**Mechanical Data**	
No Load	--	-	1.3	Bearing DE Side	6204ZZ
Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**			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

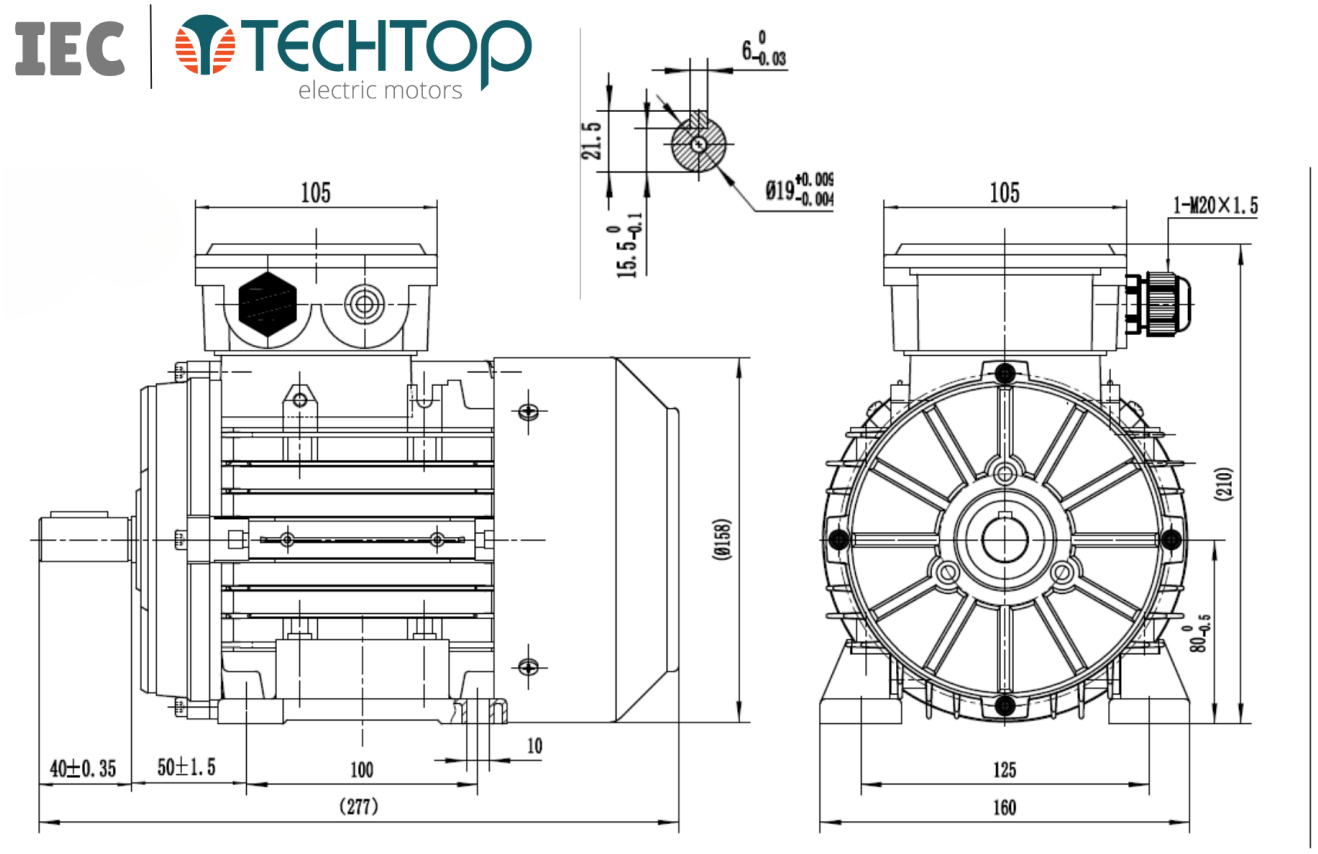
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead IEC Dual Voltage**		





Model Number	GR3-AL-TF-80B3-2-B-D-2-230|460-60
MFG PN	T803-2
List Price	--
Base Frame	GR-80B3-AL-TF

IEC | TECHTOP electric motors



MODEL NUMBER	GR-80B3-AL	ISSUE DATE:	04/2025
DIMENSIONS	in		
CASTING MATERIAL	ALUMINUM	WWW.TECHTOPIND.COM	

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