TECHTOP electric motors	**Model Number**	**GR3-AL-TF-80B3-2-B-D-1-230|460-60**
	MFG PN	**T801-2**
	List Price	**--**

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

Electrical Data	
Rated Motor Output Power	1 HP
Rated Motor Speed	3480 r/min
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ
Rated Motor Current	3.06/1.53 Amps
Service Factor	1.15
KVA Code	K
Nominal Efficiency	77 %
Nominal Power Factor	0.79 cosθ
Full Load Torque Ft-Lb	2.28656 Ft-Lb
Temp Rise @ Full Load °C	41.1
Efficiency Level	IE3 - NEMA Premium

Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	310	11.3
Breakdown	-	316	-
Pull Up	-	217	-
125% of FL	3464	-	1.77
75% of FL	3525	-	1.32
50% of FL	3550	-	1.17
No Load	--	-	1.1

Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**

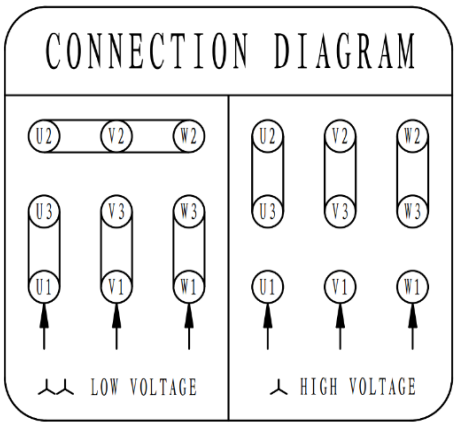
General Data	
Frame Size	80
Enclosure	TEFC
Approximate Weight	20.46
NEMA Design	B
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	M20 X 1.5
Feet Removable	YES
Double Drilled	NO
Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	NO
Brake Voltage (DC)	--
Brake Torque (N-M)	--

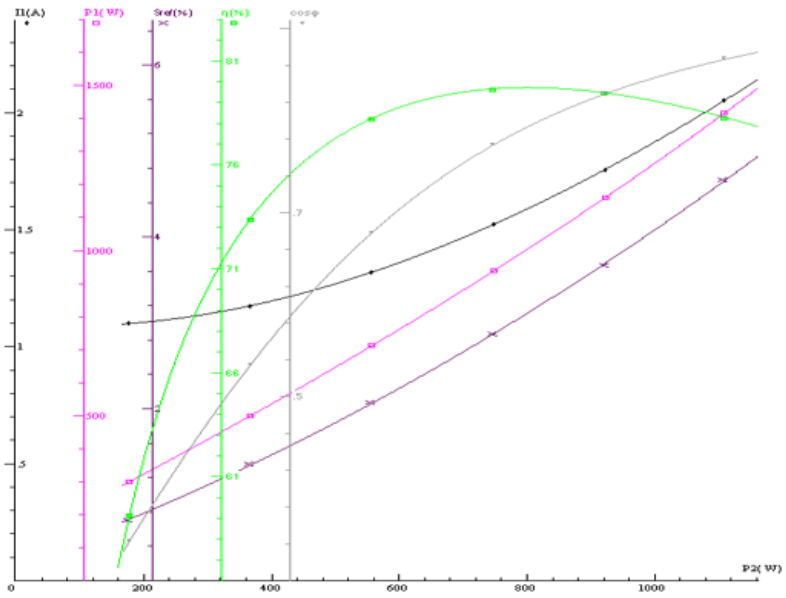
Mechanical Data	
Bearing DE Side	6204ZZ
Bearing NDE Side	6204ZZ
Moment of Inertia	0.00084 kg.m2
Noise Level	Per NEMA dB (A)

CT VFD Range	--
Loaded Torque Curves	**--**

P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor

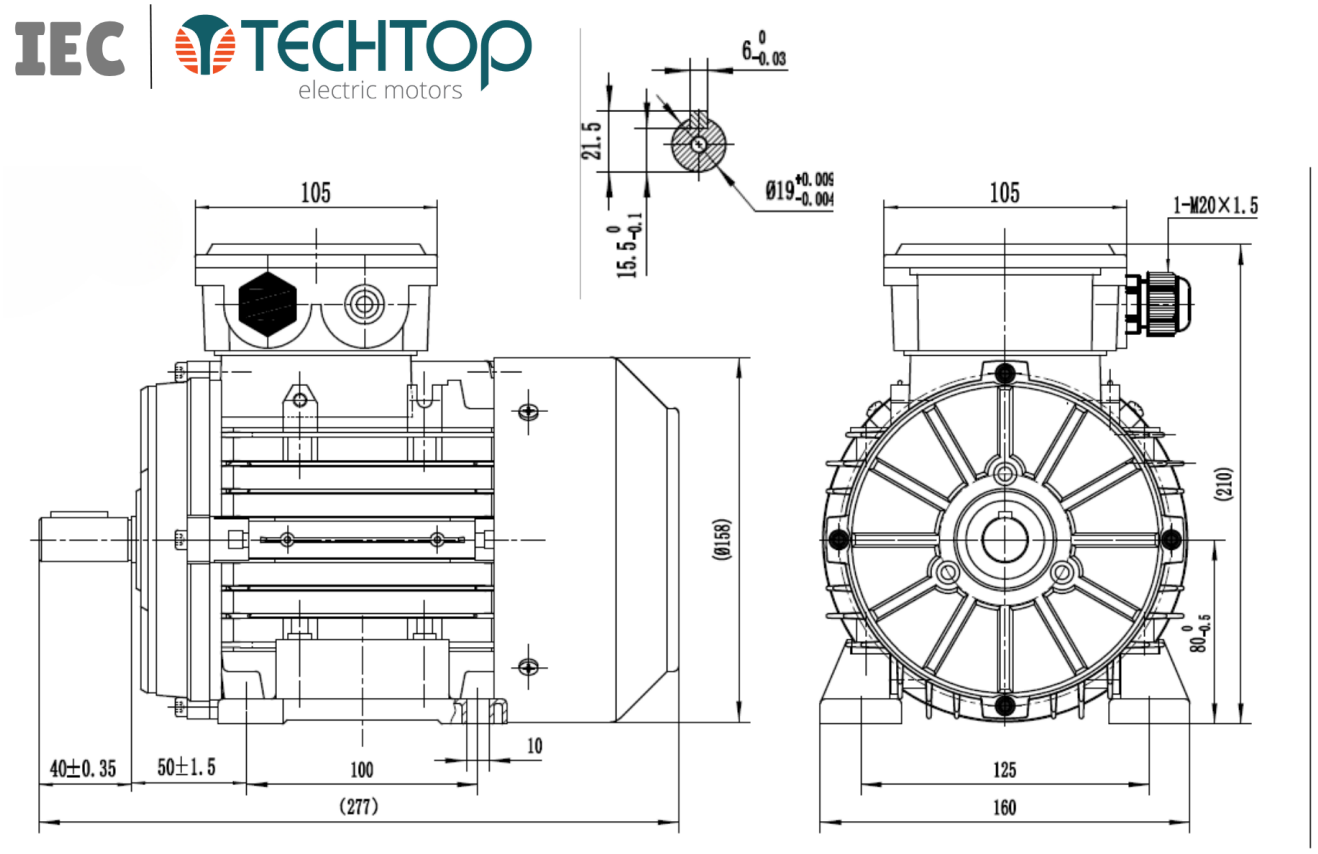
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead IEC Dual Voltage**		





Model Number	GR3-AL-TF-80B3-2-B-D-1-230|460-60
MFG PN	T801-2
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	

Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540

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