TECHTOP electric motors	**Model Number**	**GR3-AL-TF-80B3-4-B-D-1.5-230|460-60**
	MFG PN	**T803-4**
	List Price	**--**

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

Electrical Data	
Rated Motor Output Power	1.5 HP
Rated Motor Speed	1730 r/min
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ
Rated Motor Current	4.56/2.28 Amps
Service Factor	1.15
KVA Code	K
Nominal Efficiency	86.5 %
Nominal Power Factor	0.7 cosθ
Full Load Torque Ft-Lb	4.602624 Ft-Lb
Temp Rise @ Full Load °C	36.8
Efficiency Level	IE3 - NEMA Premium

Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	349	16.57
Breakdown	-	395	-
Pull Up	-	339	-
125% of FL	1734	-	2.54
75% of FL	1763	-	1.82
50% of FL	1776	-	1.57
No Load	--	-	1.35

Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**
CT VFD Range	--

General Data	
Frame Size	80
Enclosure	TEFC
Approximate Weight	27.72
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)	--

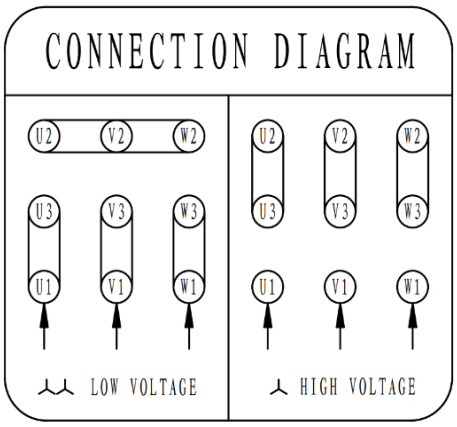
Mechanical Data	
Bearing DE Side	6204ZZ
Bearing NDE Side	6204ZZ
Moment of Inertia	-- kg.m2
Noise Level	Per NEMA dB (A)

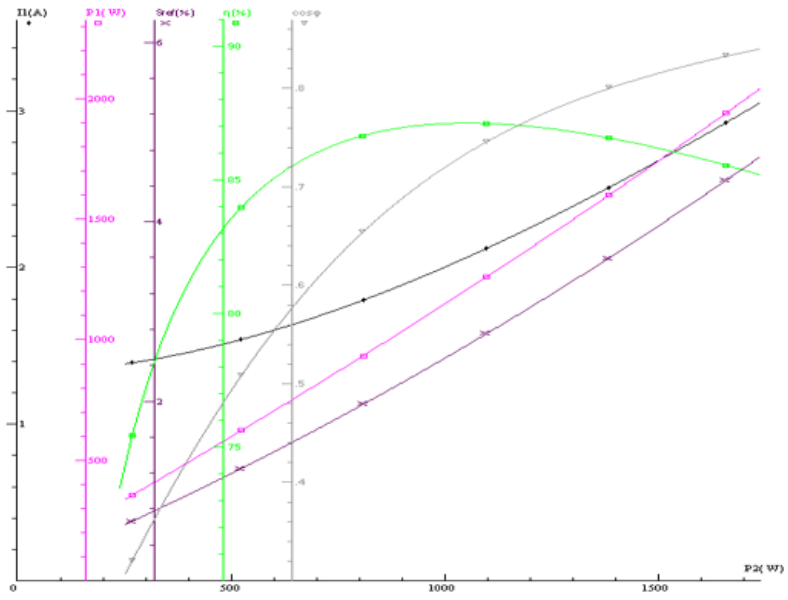
Loaded Torque Curves — **--**

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**

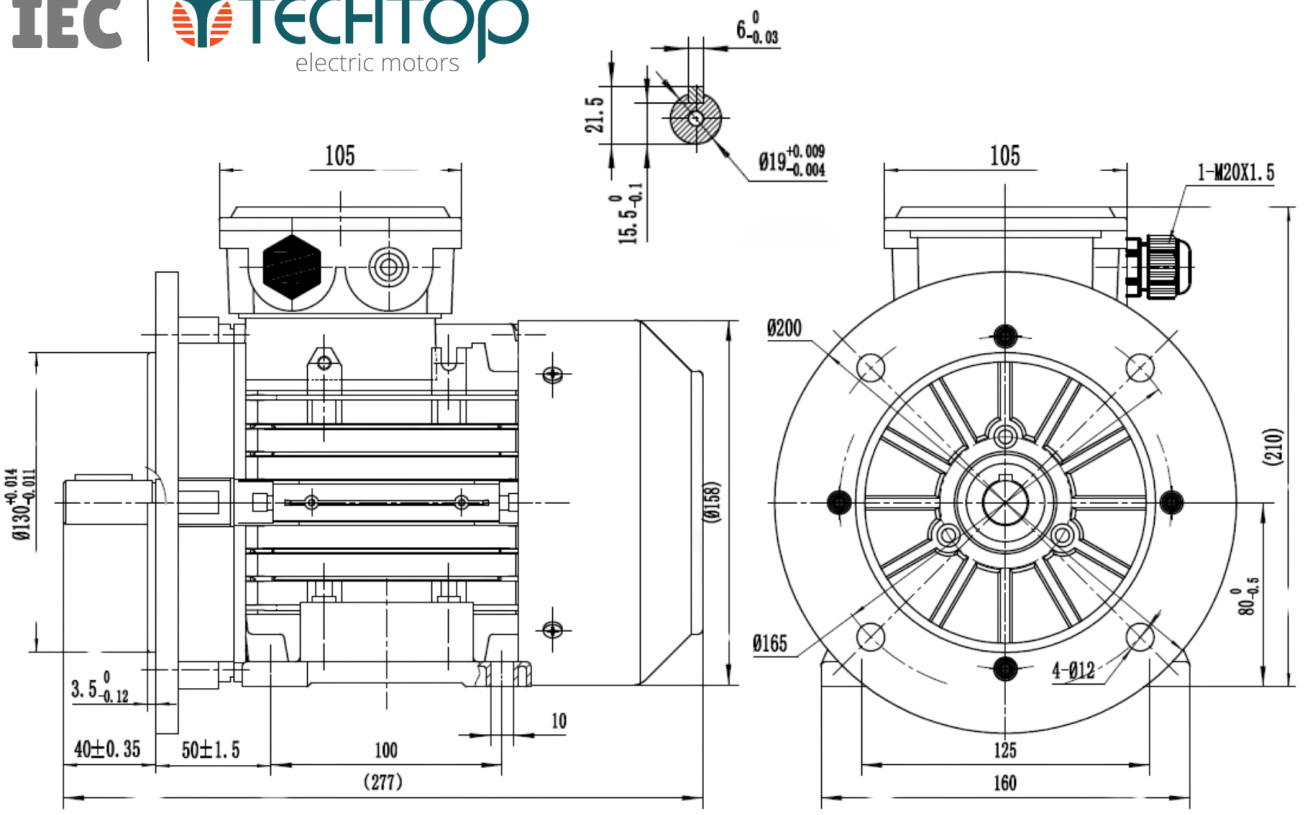




Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540

Model Number	GR3-AL-TF-80B3-4-B-D-1.5-230|460-60
MFG PN	T803-4
List Price	--
Base Frame	GR-80B35-AL-TF

IEC | TECHTOP electric motors



MODEL NUMBER	GR-80B35-AL	ISSUE DATE:	04/2025
DIMENSIONS	in		
CASTING MATERIAL	ALUMINUM	WWW.TECHTOPIND.COM	

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