TECHTOP electric motors		**Model Number**	**GR3-AL-TF-63B3-4-B-D-.18-230|460-60**
		MFG PN	**T631-4**
		List Price	**--**

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

Electrical Data	
Rated Motor Output Power	0.18 HP
Rated Motor Speed	1715 r/min
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ
Rated Motor Current	0.74/0.37 Amps
Service Factor	1.15
KVA Code	J
Nominal Efficiency	66 %
Nominal Power Factor	0.61 cosθ
Full Load Torque Ft-Lb	0.486816 Ft-Lb
Temp Rise @ Full Load °C	32.7
Efficiency Level	IE3 - NEMA Premium

Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	259	1.47
Breakdown	-	290	-
Pull Up	-	233	-
125% of FL	1691	-	0.37
75% of FL	1736	-	0.32
50% of FL	1760	-	0.31
No Load	1715	-	0.3

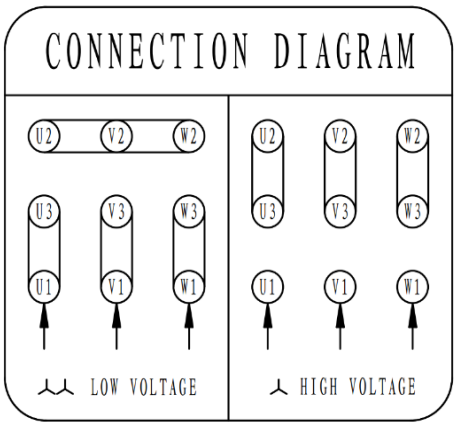
Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**
CT VFD Range	--

General Data	
Frame Size	63
Enclosure	TEFC
Approximate Weight	11.22
NEMA Design	B
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	M16 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	6201ZZ
Bearing NDE Side	6201ZZ
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

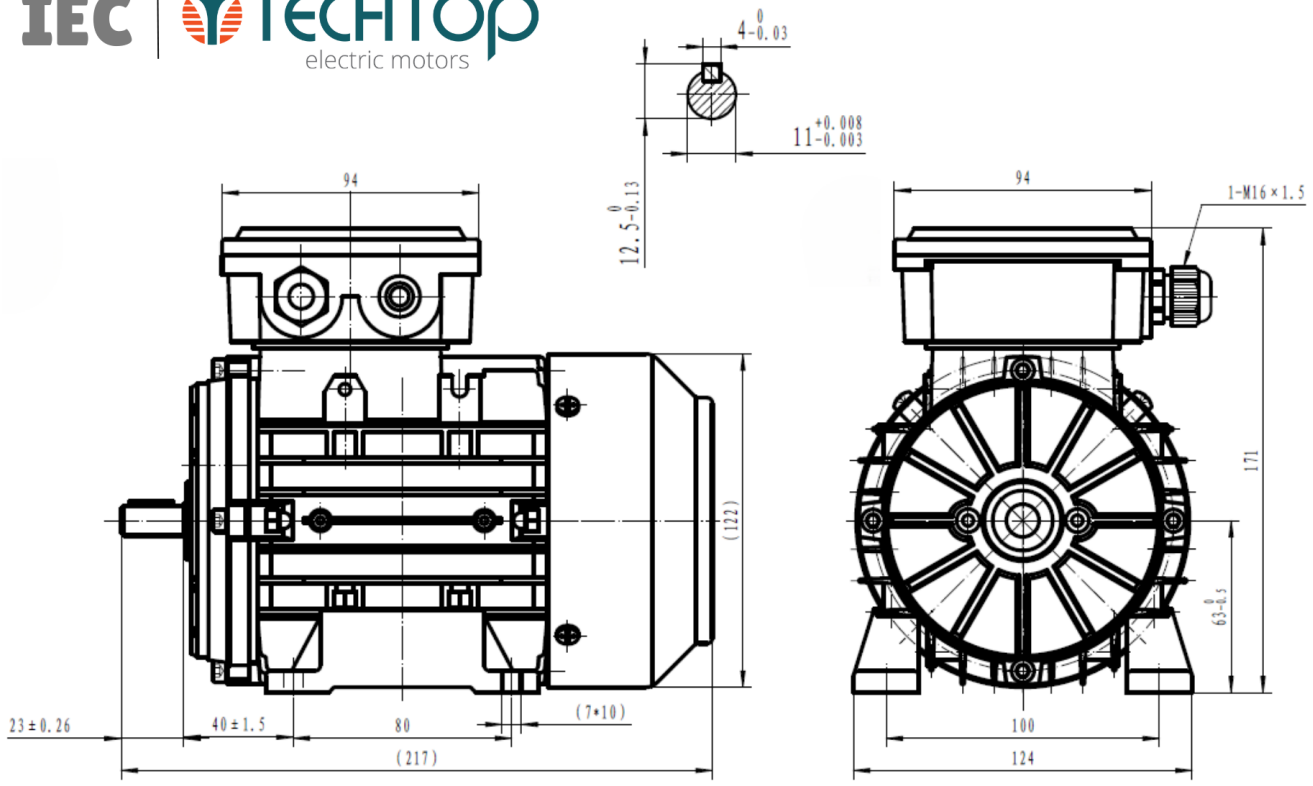
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A

Wiring Diagram — **3PH 9 Lead IEC Dual Voltage**



Model Number	GR3-AL-TF-63B3-4-B-D-.18-230|460-60
MFG PN	T631-4
List Price	--
Base Frame	GR-63B3-AL-TF

IEC | TECHTOP electric motors



MODEL NUMBER	GR3-63B3-AL-TF	ISSUE DATE:	04/2025
DIMENSIONS	in		
CASTING MATERIAL	ALUMINUM	WWW.TECHTOPIND.COM	

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