TECHTOP electric motors		**Model Number**	**GR3-AL-TF-71B3-4-B-D-.5-230|460-60**
		MFG PN	**T712-4**
		List Price	**--**

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

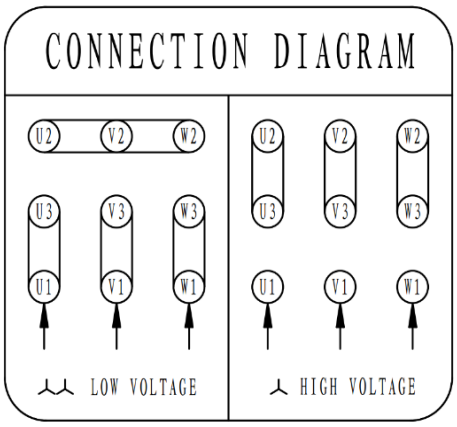
Electrical Data		**General Data**	
Rated Motor Output Power	0.5 HP	Frame Size	71
Rated Motor Speed	1720 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	17.82
Rated Motor Current	1.80/0.90 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	55
KVA Code	J	Insulation Class	F
Nominal Efficiency	78.5 %	Tropicalization	YES
Nominal Power Factor	0.66 cosθ	Duty	cont
Full Load Torque Ft-Lb	1.4752 Ft-Lb	Cable Entry	M20 X 1.5
Temp Rise @ Full Load °C	25.4	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	292	5.49	Rated Altitude (M)	1000
Breakdown	-	311	-	Coating	7024 - Graphite Grey
Pull Up	-	277	-	Shaft Grounding	NO
125% of FL	1697	-	1	Brake Voltage (DC)	--
75% of FL	1744	-	0.8	Brake Torque (N-M)	--
50% of FL	1764	-	0.72	**Mechanical Data**	
No Load	--	-	0.68	Bearing DE Side	6202ZZ
Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**			Bearing NDE Side	6202ZZ
				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	

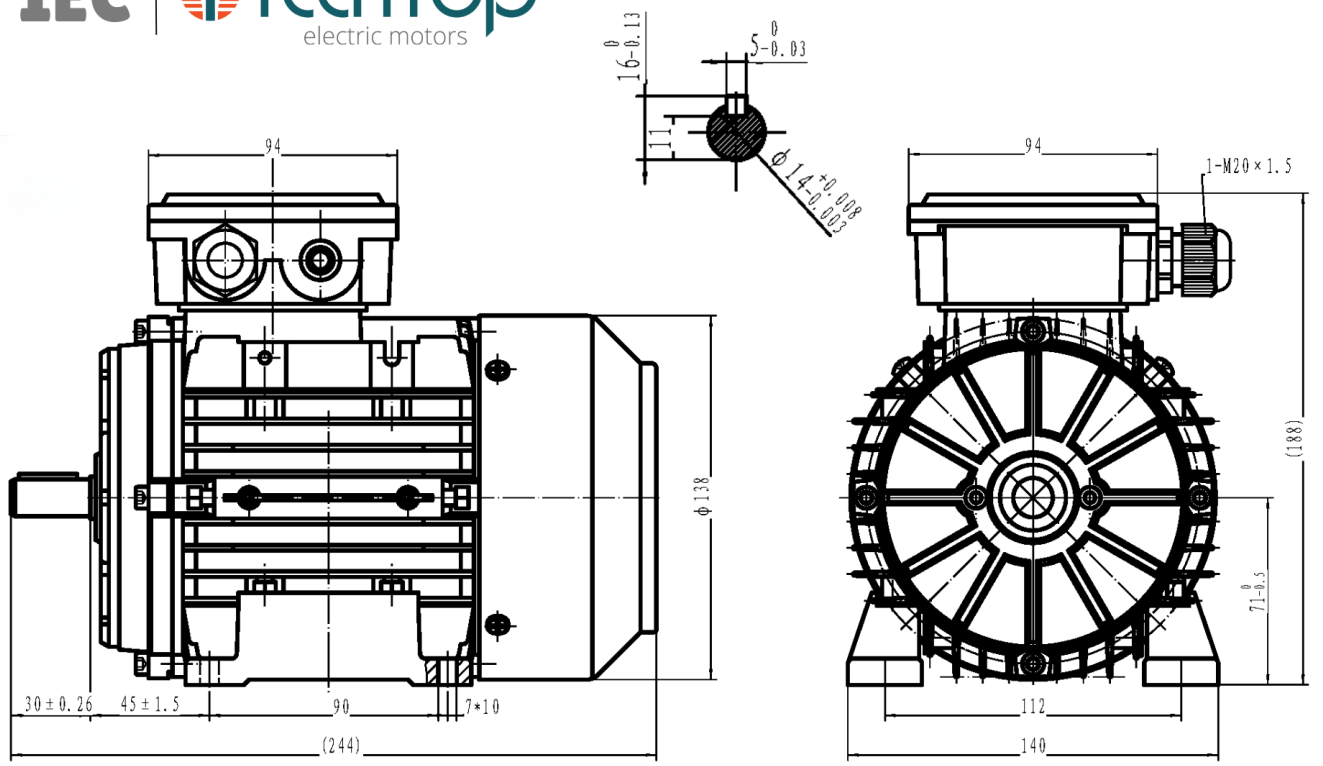
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A

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



Model Number	GR3-AL-TF-71B3-4-B-D-.5-230|460-60
MFG PN	T712-4
List Price	--
Base Frame	GR-71B3-AL-TF

IEC | TECHTOP electric motors



MODEL NUMBER	GR3-71B3-AL-TF	ISSUE DATE:	04/2025
DIMENSIONS	in		
CASTING MATERIAL	ALUMINUM	WWW.TECHTOPIND.COM	

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