



Model Number	GR3-AL-TF-100LB3-2-B-D-5.5-230 460-60
MFG PN	T100L2-2
List Price	--

All data shown at HIGH voltage setting

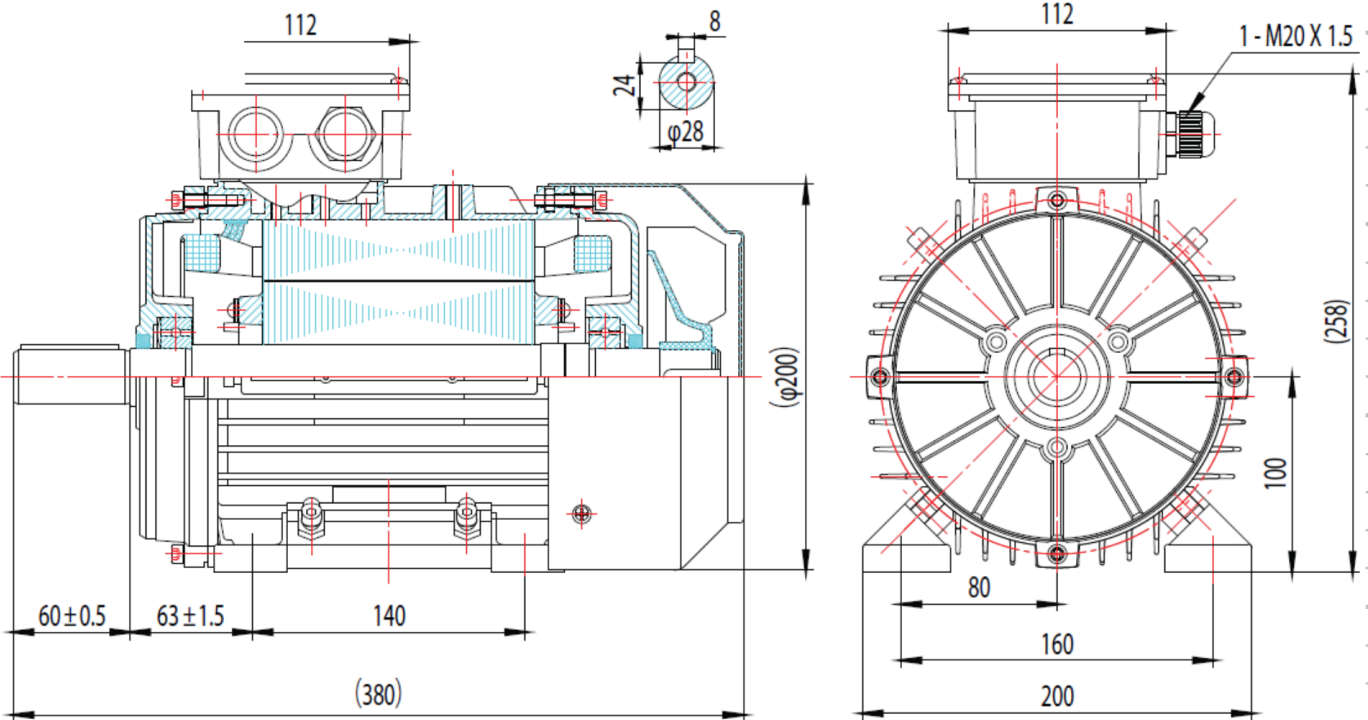
Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power		5.5 HP		Frame Size	100
Rated Motor Speed		3510 r/min		Enclosure	TEFC
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ		Approximate Weight	56.32
Rated Motor Current		12.7/6.35 Amps		NEMA Design	A
Service Factor		1.15		IP Rating	55
KVA Code		L		Insulation Class	F
Nominal Efficiency		88.5 %		Tropicalization	YES
Nominal Power Factor		0.89 cosθ		Duty	Cont.
Full Load Torque Ft-Lb		7.582528 Ft-Lb		Cable Entry	M20 X 1.5
Temp Rise @ Full Load °C		36.2		Feet Removable	YES
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	
Locked Rotor	-			40	
Breakdown	-		-	Rated Altitude (M)	
Pull Up	-		-	1000	
125% of FL	3504	-	7.71	Coating	
75% of FL	3545	-	4.92	7024 - Graphite Grey	
50% of FL	3564	-	3.75	Shaft Grounding	
No Load		-	2.34	NO	
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Brake Voltage (DC)	
				Brake Torque (N-M)	
				Mechanical Data	
				Bearing DE Side	
				6206ZZ	
				Bearing NDE Side	
				6206ZZ	
				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				
CONNECTION DIAGRAM U2 V2 W2 U3 V3 W3 U1 V1 W1 LOW VOLTAGE U2 V2 W2 U3 V3 W3 U1 V1 W1 HIGH VOLTAGE					

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Base Frame	GR-100LB3-AL-TF



MODEL NUMBER	GR-100LB3-AL	ISSUE DATE:	04/2025
DIMENSIONS	in		
CASTING MATERIAL	ALUMINUM	WWW.TECHTOPIND.COM	

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