



Model Number GR3-AL-TF-100LB3-2-B-D-4-230|460-60

MFG PN T100L1-2

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	4 HP	Frame Size	100
Rated Motor Speed	3510 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	52.8
Rated Motor Current	9.56/4.78 Amps	NEMA Design	A
Service Factor	1.15	IP Rating	55
KVA Code	M	Insulation Class	F
Nominal Efficiency	88.5 %	Tropicalization	YES
Nominal Power Factor	0.89 cos θ	Duty	Cont.
Full Load Torque Ft-Lb	5.989312 Ft-Lb	Cable Entry	M20 X 1.5
Temp Rise @ Full Load °C	31.1	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

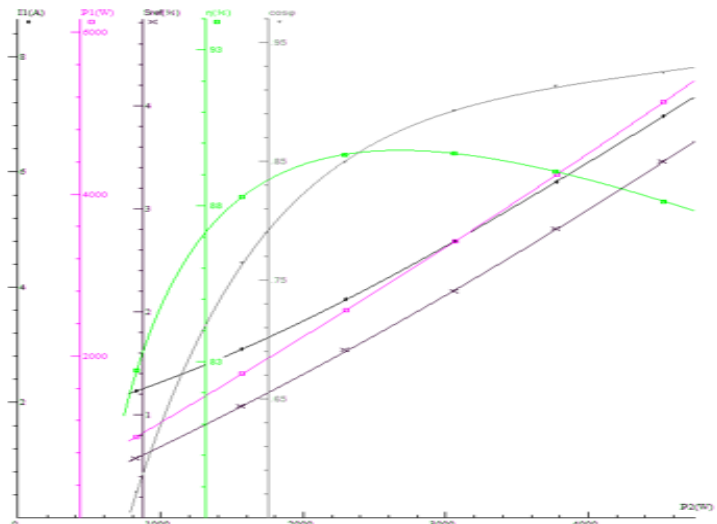
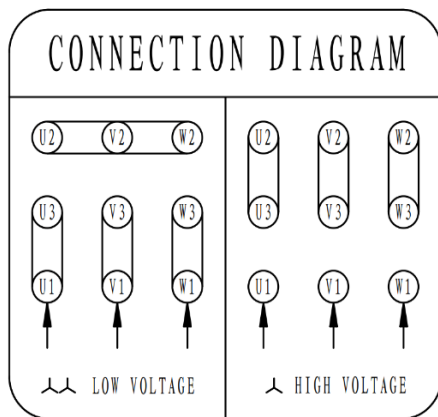
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	491	55.8	Rated Altitude (M)	1000
Breakdown	-	474	-	Coating	7024 - Graphite Grey
Pull Up	-	246	-	Shaft Grounding	NO
125% of FL	3500	-	5.7	Brake Voltage (DC)	
75% of FL	3543	-	3.72	Brake Torque (N-M)	
50% of FL	3563	-	2.85	Mechanical Data	
No Load	3564	-	1.81		

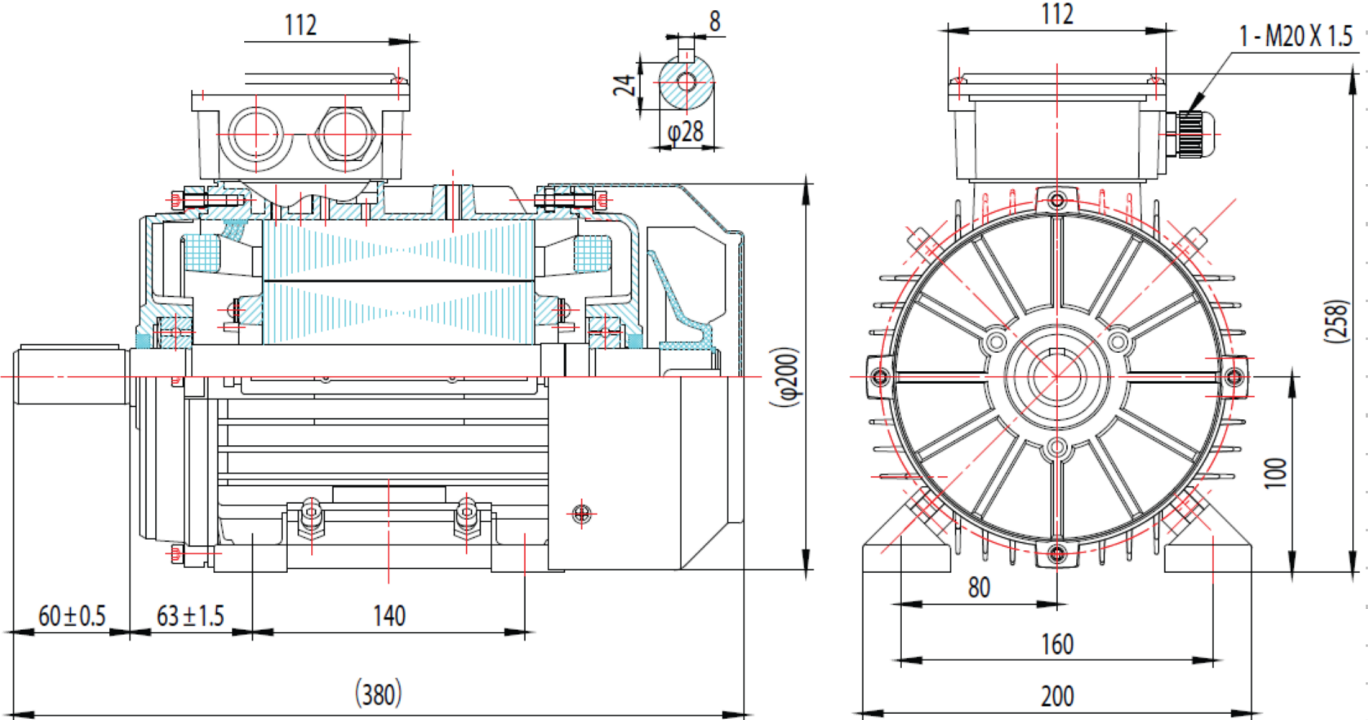
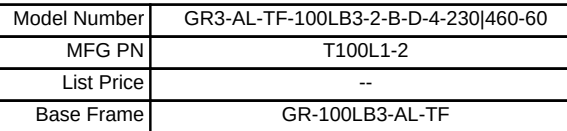
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing DE Side	6206ZZ
				Bearing NDE Side	6206ZZ
				Moment of Inertia	kg.m2
				Noise Level	Per NEMA dB (A)

CT VFD Range	--	Loaded Torque Curves	--
P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cos ϕ = Power Factor			

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A

Wiring Diagram	3PH 9 Lead IEC Dual Voltage
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MODEL NUMBER	GR-100LB3-AL	ISSUE DATE:	04/2025
DIMENSIONS	in		
CASTING MATERIAL	ALUMINUM	WWW.TECHTOPIND.COM	

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