



Model Number GR3-AL-TF-90LB34-2-B-D-3-230|460-60

MFG PN T 90L1-2

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	3 HP	Frame Size	90
Rated Motor Speed	3490 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	33.5
Rated Motor Current	7.26/3.63 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	55
KVA Code	K	Insulation Class	F
Nominal Efficiency	86.5 %	Tropicalization	YES
Nominal Power Factor	0.88 cos ϕ	Duty	Cont.
Full Load Torque Ft-Lb	4.4256 Ft-Lb	Cable Entry	M20 X 1.5
Temp Rise @ Full Load °C	49.1	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

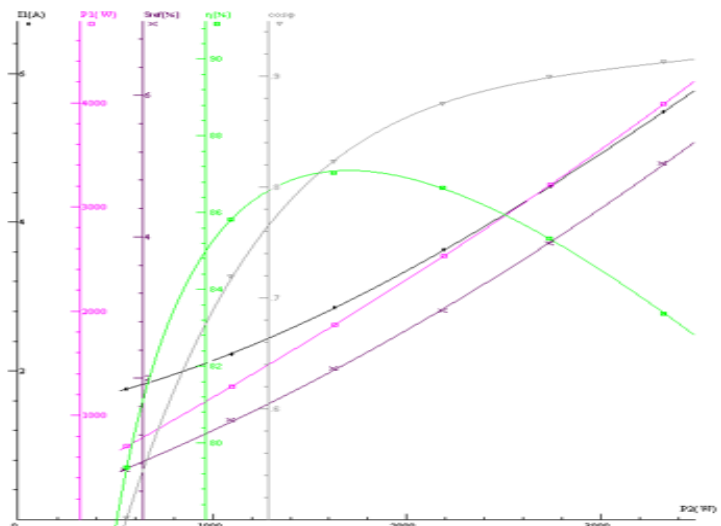
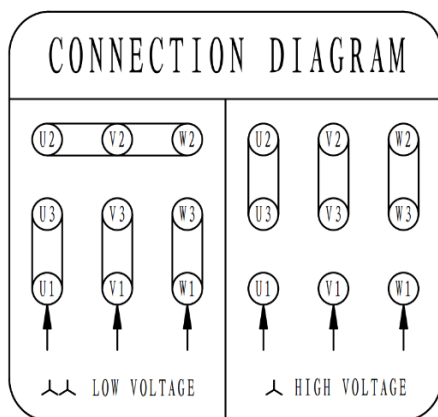
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	462	29.92	Rated Altitude (M)	1000
Breakdown	-	328	-	Coating	7024 - Graphite Grey
Pull Up	-	169	-	Shaft Grounding	NO
125% of FL	3491	-	4.36	Brake Voltage (DC)	--
75% of FL	3539	-	2.74	Brake Torque (N-M)	--
50% of FL	3560	-	2	Mechanical Data	
No Load	3559	-	1.25		

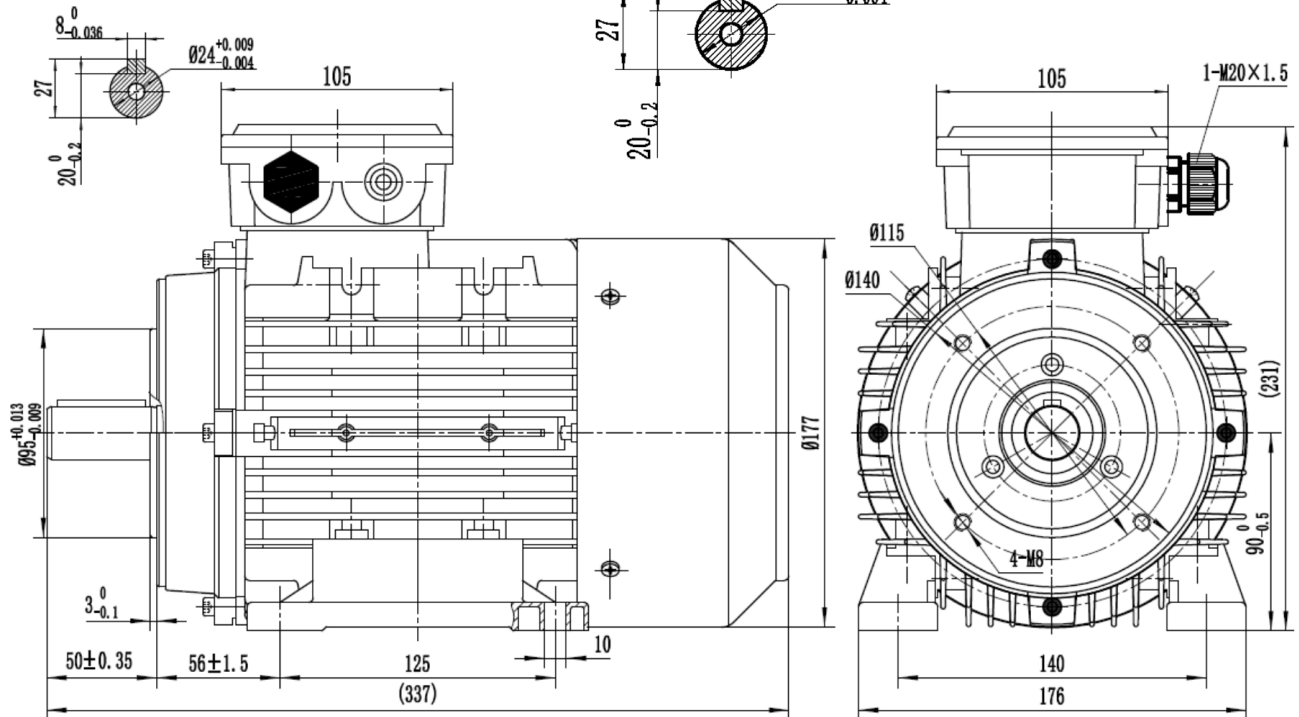
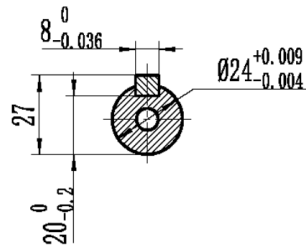
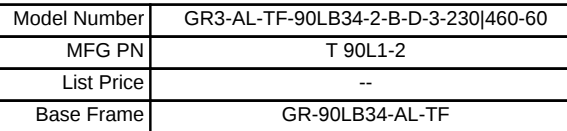
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing DE Side	6205ZZ
				Bearing NDE Side	6205ZZ
				Moment of Inertia	-- kg.m2
				Noise Level	Per NEMA dB (A)

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-90LB34-AL	ISSUE DATE:	04/2025
DIMENSIONS	in		
CASTING MATERIAL	ALUMINUM	WWW.TECHTOPIND.COM	

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