



Model Number GR3-AL-TF-90SB34-2-B-D-2-230|460-60

MFG PN T 90S-2

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power	2 HP			Frame Size	90
Rated Motor Speed	3500 r/min			Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ			Approximate Weight	31.46
Rated Motor Current	5.18/2.64 Amps			NEMA Design	B
Service Factor	1.15			IP Rating	55
KVA Code	L			Insulation Class	F
Nominal Efficiency	85.5 %			Tropicalization	YES
Nominal Power Factor	0.85 cosθ			Duty	Cont.
Full Load Torque Ft-Lb	3.031536 Ft-Lb			Cable Entry	M20 X 1.5
Temp Rise @ Full Load °C	47.4			Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	294	23.6	Rated Altitude (M)	1000
Breakdown	-	332	-	Coating	7024 - Graphite Grey
Pull Up	-	202	-	Shaft Grounding	NO
125% of FL	3481	-	3.13	Brake Voltage (DC)	--
75% of FL	3534	-	2	Brake Torque (N-M)	--
50% of FL	3556	-	1.68	Mechanical Data	
No Load	3591	-	1.28	Bearing DE Side	6205ZZ
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			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 (%), cosφ = Power Factor	
Certifications	UL	CSA	DOE		
File Numbers	323353	224693	096A		
Wiring Diagram	3PH 9 Lead IEC Dual Voltage				
<div style="border: 1px solid black; padding: 10px; text-align: center;"> <h3>CONNECTION DIAGRAM</h3> <p>LOW VOLTAGE HIGH VOLTAGE</p> </div>					

Model Number	GR3-AL-TF-90SB34-2-B-D-2-230 460-60
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Base Frame	GR-90SB34-AL-TF

