



Model Number GR3-AL-TF-90SB3-6-B-D-1-230|460-60

MFG PN T 90S-6

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

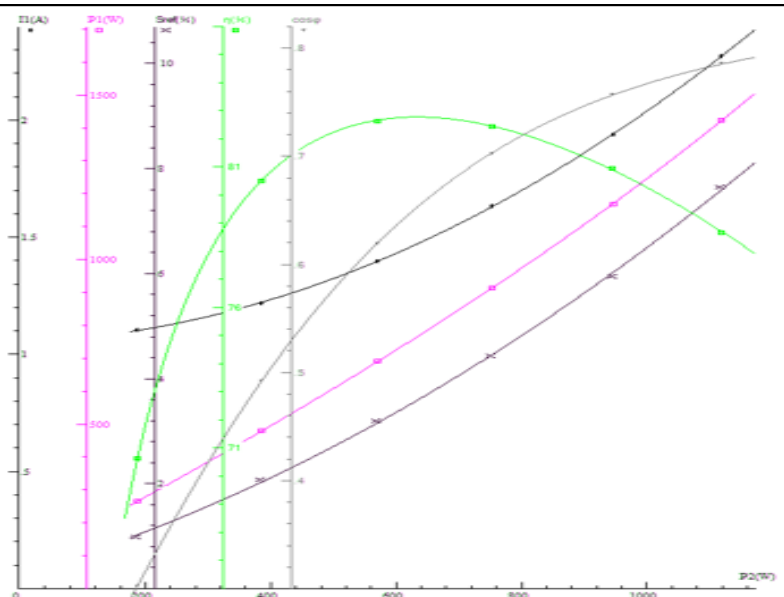
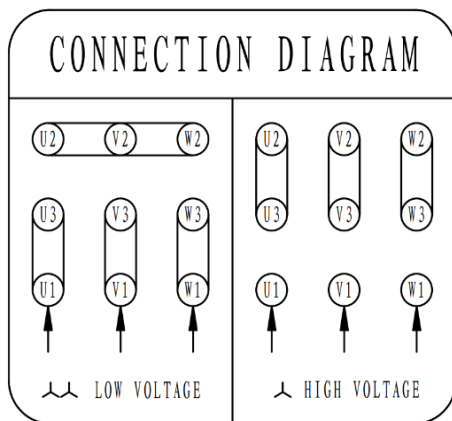
Rated Motor Output Power	1 HP	Frame Size	90
Rated Motor Speed	1145 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	33
Rated Motor Current	3.26/1.63 Amps	NEMA Design	B
Service Factor	1.15	IP Rating	55
KVA Code	H	Insulation Class	F
Nominal Efficiency	82.5 %	Tropicalization	YES
Nominal Power Factor	0.7 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	4.58801952 Ft-Lb	Cable Entry	M20 X 1.5
Temp Rise @ Full Load °C	41.5	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

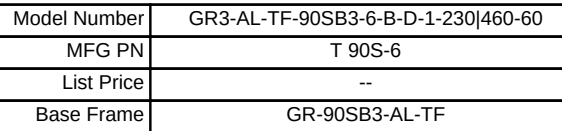
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	194	8.46	Rated Altitude (M)	1000
Breakdown	-	278	-	Coating	7024 - Graphite Grey
Pull Up	-	218	-	Shaft Grounding	NO
125% of FL	1128.7	-	1.9246	Brake Voltage (DC)	--
75% of FL	1162.7	-	1.389	Brake Torque (N-M)	--
50% of FL	1176.3	-	1.2143	Mechanical Data	
No Load	--	-	1.078		

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 (%), cosφ = Power Factor			

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A
Wiring Diagram	3PH 9 Lead IEC Dual Voltage		





Technical drawing of a motor showing front, side, and top views with dimensions.

Front View (Left):

- Top width: 105
- Bottom width: 50 ± 0.35, 56 ± 1.5, 100
- Bottom total width: (312)
- Right side height: (φ177)

Side View (Top Right):

- Top width: 105
- Top height: 8
- Top hole diameter: φ24
- Top hole offset: 20
- Bottom hole: 1 - M20 X 1.5

Top View (Right):

- Top width: 105
- Right side height: 90
- Right side total height: (229)
- Bottom width: 140
- Bottom total width: 175

