



Model Number GR3-AL-TF-56J-4-B-D-1.5-230|460-60

MFG PN T56 1.5U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data		General Data	
Rated Motor Output Power	1.5 HP	Frame Size	56
Rated Motor Speed	1745 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	29.7
Rated Motor Current	4.26/2.13 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	55
KVA Code	L	Insulation Class	F
Nominal Efficiency	82 %	Tropicalization	YES
Nominal Power Factor	0.75 cosθ	Duty	cont
Full Load Torque Ft-Lb	4.992 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	46	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	
Locked Rotor	-	349	16.57	Rated Altitude (M)	1000
Breakdown	-	395	-	Coating	7068 - Graphite Grey
Pull Up	-	339	-	Shaft Grounding	NO
125% of FL	1734	-	2.54	Brake Voltage (DC)	--
75% of FL	1763	-	1.82	Brake Torque (N-M)	--
50% of FL	1776	-	1.57	Mechanical Data	
No Load	--	-	1.35	Bearing DE Side	6204ZZ

Hazardous Location	Class 1, Div 2, Grp A,B,C,D		Bearing NDE Side	6204ZZ
			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 Dual Voltage		
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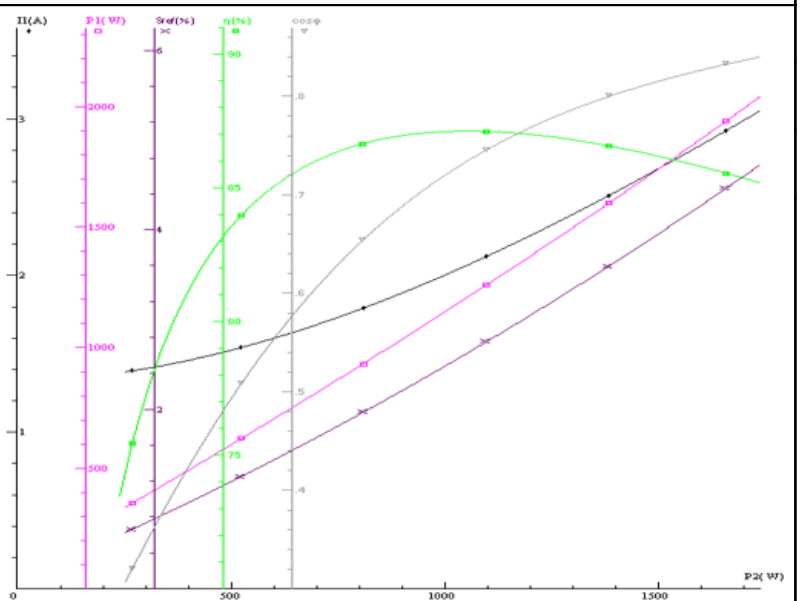
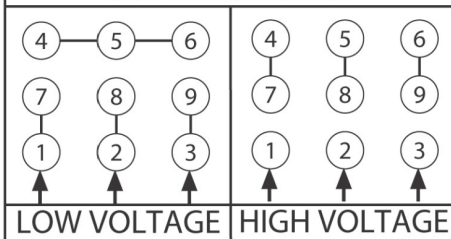
3 Phase - YY/Y - 9 Lead

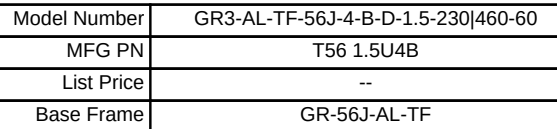
4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD

Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom

CONNECTIONS





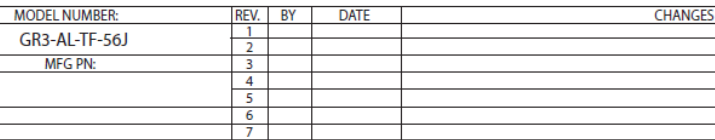
Technical drawing of the 1000 Series Motor, showing front and side views with dimensions in inches and millimeters.

Front View Dimensions:

- Overall width: 12
- Overall height: $\varnothing 6.2$
- Base width: 3.95
- Base height: 3
- Base mounting hole offset: 0.335
- Motor body width: 2.56
- Motor body height: 1.875
- Motor body mounting hole offset: 0.125
- Motor body mounting hole diameter: $\varnothing 0.625$
- Motor body mounting hole pitch: $\frac{1}{4} - 28 \text{UNF} - 2\text{B}$
- Motor body mounting hole depth: $\frac{7}{16} - 20 \text{UNF} - 2\text{A}$
- Motor body mounting hole diameter: $\varnothing 0.625$
- Motor body mounting hole pitch: $\frac{1}{4} - 28 \text{UNF} - 2\text{B}$
- Motor body mounting hole depth: $\frac{7}{16} - 20 \text{UNF} - 2\text{A}$

Side View Dimensions:

- Overall width: 6.3
- Overall height: 6.65
- Base width: 4.88
- Base height: 3.5
- Base mounting hole offset: 0.73
- Motor body width: 2.44
- Motor body height: 1.875
- Motor body mounting hole offset: 0.125
- Motor body mounting hole diameter: $\varnothing 0.625$
- Motor body mounting hole pitch: $\frac{1}{4} - 28 \text{UNF} - 2\text{B}$
- Motor body mounting hole depth: $\frac{7}{16} - 20 \text{UNF} - 2\text{A}$
- Motor body mounting hole diameter: $\varnothing 0.625$
- Motor body mounting hole pitch: $\frac{1}{4} - 28 \text{UNF} - 2\text{B}$
- Motor body mounting hole depth: $\frac{7}{16} - 20 \text{UNF} - 2\text{A}$



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