



Model Number GR3-AL-TF-56J-2-B-D-.5-230|460-60

MFG PN T56 1/2U2B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data																															
Rated Motor Output Power	0.5 HP			Frame Size	56																														
Rated Motor Speed	3490 r/min			Enclosure	TEFC																														
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ			Approximate Weight	15.44																														
Rated Motor Current	1.74/0.87 Amps			NEMA Design	B																														
Service Factor	1.25			IP Rating	55																														
KVA Code	L			Insulation Class	F																														
Nominal Efficiency	74 %			Tropicalization	YES																														
Nominal Power Factor	0.73 cosθ			Duty	cont																														
Full Load Torque Ft-Lb	0.808 Ft-Lb			Cable Entry	1.25																														
Temp Rise @ Full Load °C	26.2			Feet Removable	YES																														
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO																														
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40																														
Locked Rotor	-	315	5.83	Rated Altitude (M)	1000																														
Breakdown	-	380	-	Coating	7059 - Graphite Grey																														
Pull Up	-	304	-	Shaft Grounding	NO																														
125% of FL	3460	-	0.94	Brake Voltage (DC)	--																														
75% of FL	3521	-	0.73	Brake Torque (N-M)	--																														
50% of FL	3547	-	0.67	Mechanical Data																															
No Load	--	-	0.63	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																																		
<p>3 Phase - YY/Y - 9 Lead</p> <p>4,1 Blue / 5,2 White / 6,3 Org / 7 YI / 8 Blk / 9 RD</p> <p>Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom</p> <p>Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom</p>																																			
<p style="text-align: center;">CONNECTIONS</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>4</td><td>5</td><td>6</td> <td>4</td><td>5</td><td>6</td> </tr> <tr> <td>7</td><td>8</td><td>9</td> <td>7</td><td>8</td><td>9</td> </tr> <tr> <td>1</td><td>2</td><td>3</td> <td>1</td><td>2</td><td>3</td> </tr> <tr> <td colspan="3">↑</td> <td colspan="3">↑</td> </tr> <tr> <td colspan="3">LOW VOLTAGE</td> <td colspan="3">HIGH VOLTAGE</td> </tr> </table>						4	5	6	4	5	6	7	8	9	7	8	9	1	2	3	1	2	3	↑			↑			LOW VOLTAGE			HIGH VOLTAGE		
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Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540																																			

