



Model Number:	GR3-AL-TF-80B3-2-B-D-1
MFG PN:	410
List Price:	

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data			
Rated Motor Output Power	1.0	HP		Frame Size	80		
Rated Motor Speed	3490	r/min 60Hz		Enclosure	TEFC		
	2850	r/min 50Hz		Mounting	B3		
Rated Motor Voltage (3 Phase)	230/460	V/60Hz		NEMA Design	B		
	190/380	V/50Hz		IP Rating	55		
Rated Motor Current	3.1/1.55	A (In) @ 60Hz		Insulation Class	F		
	3.48/1.74	A (In) @ 50Hz		Tropicalization	1		
FL Current @ 208V	None	A (In) @ 60Hz		Duty	Cont. / S1		
Service Factor	1.25	@ 60Hz		Cable Entry	1-NPT 1/2■		
	1.25	@ 50Hz		Feet Removable	1		
KVA Code	K	60Hz		Double Drilled	0		
	G	50Hz		Frame Material	Cast Aluminum		
Nominal Efficiency	79.0	% @ 60Hz		Shaft Material	1045		
	77.0	% @ 50Hz		Coating	RAL	7024	
Nominal Power Factor	0.77	cosθ @ 60Hz					
Full Load Torque Ft-Lb	S			Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6204ZZ		
Locked Rotor				Bearing NDE Side	6204ZZ		
Breakdown	4.824541531	316.0	-	Comp Ring (wavy washer)	NDE		
Pull Up	3.313055418	217.0	-	Weight	18.2	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	3450.7	78.656	1.7765	Site Conditions			
75% of FL	3518.9	77.878	1.3165	Temp Rise @ Full Load °C	B	@ 60Hz	
50% of FL	3546.6	73.452	1.176	Ambient Temperature °C	40		
No Load	1199.0	0	1.11	Altitude Above Sea Level (M)	1000		
Brake Torque (N-M)	100.0	Loaded Torque Curves		None			
Brake Coil Voltage	None	P1 = Output Power (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor					

CT VFD Range		
Haz Loc Rating		
Options:		
UL File Number		
CSA File Number		
DOE File Number		
CE APPROVAL		
Wiring Diagram	IEC-3-9-YY-Y-80-90	

Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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Dimensional Drawing (For Reference Only)

T80 B3

Components

Item	Model	Description	List Price
C-Face Kit			
D-Flange Kit			
DE Endplate Kit			
NDE Endplate Kit			
Junction Box			
Cooling Fan Cover			
Cooling Fan			
Replacement Feet			
DE Bearing Retainer Kit			
NDE Bearing Retainer Kit			

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