



Model Number:	GR3-AL-TF-80B3-2-B-D-2
MFG PN:	502
List Price:	

All data shown at HIGH voltage setting Format: STD 3 Phase

Electrical Data				General Data			
Rated Motor Output Power	2.0	HP		Frame Size	80		
Rated Motor Speed	3500	r/min 60Hz		Enclosure	TEFC		
	2870	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	5.24/2.62	A (In) @ 60Hz		Insulation Class	F		
	6.20/3.10	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	L	60Hz		Double Drilled	0		
	H	50Hz		Frame Material	Cast Aluminum		
Nominal Efficiency	85.5	% @ 60Hz		Shaft Material	1045		
	83.5	% @ 50Hz		Coating	RAL	7024	
Nominal Power Factor	0.84	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	12.8217804	424.0	-	Comp Ring (wavey washer)		NDE	
Pull Up	8.920814196	295.0	-	Weight		26.5	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	1.3	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



Model Number:	GR3-AL-TF-80B3-2-B-D-2
MFG PN:	
List Price:	502

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			

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