



Model Number:	GR3-AL-TF-71B35-4-B-D-5
MFG PN:	444
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	71		
Rated Motor Speed	1720	r/min 60Hz		Enclosure	TEFC		
	1390	r/min 50Hz		Mounting	B35		
Rated Motor Voltage (3 Phase)	230/460	V/60Hz		NEMA Design	B		
	190/380	V/50Hz		IP Rating	55		
Rated Motor Current	1.8/0.9	A (In) @ 60Hz		Insulation Class	F		
	2.0/1.0	A (In) @ 50Hz		Tropicalization	1		
FL Current @ 208V	None	A (In) @ 60Hz		Duty	Cont. / S1		
Service Factor	1.15	@ 60Hz		Cable Entry	None		
	1.15	@ 50Hz		Feet Removable	1		
KVA Code	J	60Hz		Double Drilled	0		
	F	50Hz		Frame Material	Cast Aluminum		
Nominal Efficiency	78.5	% @ 60Hz		Shaft Material	None		
	75.0	% @ 50Hz		Coating	RAL	7024	
Nominal Power Factor	0.66	cos $\phi$ @ 60Hz					
Full Load Torque Ft-Lb	S			Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6202ZZ		
Locked Rotor				Bearing NDE Side	6202ZZ		
Breakdown	12.8217804	424.0	-	Comp Ring (wavy washer)	NDE		
Pull Up	8.920814196	295.0	-	Weight	15.07	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	3478.6	85.632	3.1236	Site Conditions			
75% of FL	3531.7	85.93	2.097	Temp Rise @ Full Load °C	None	@ 60Hz	
50% of FL	3555.2	83.538	1.699	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), $\eta$ = Efficiency (%), cos $\phi$ = Power Factor					

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

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

	<b>Model Number:</b>	GR3-AL-1F-71B35-4-B-D-.5
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Dimensional Drawing (For Reference Only)

TAN71 B35

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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