



Model Number:	CT3-CI-TO-324T-4-B-D-40
MFG PN:	578
List Price:	

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data		
Rated Motor Output Power	40.0	HP		Frame Size	324T	
Rated Motor Speed	1770	r/min 60Hz		Enclosure	TEAO	
	1460	r/min 50Hz		Mounting	Rigid	
Rated Motor Voltage (3 Phase)	230/460	V/60Hz		NEMA Design	A	
	190/380	V/50Hz		IP Rating	55	
Rated Motor Current	97.07/48.54	A (ln) @ 60Hz		Insulation Class	F	
	110/55	A (ln) @ 50Hz		Tropicalization	1	
FL Current @ 208V	None	A (ln) @ 60Hz		Duty	Cont. / S1	
Service Factor	1.25	@ 60Hz		Cable Entry	1-NPT 2"	
	1.25	@ 50Hz		Feet Removable	1	
KVA Code	L	60Hz		Double Drilled	0	
	F	50Hz		Frame Material	Cast Iron	
Nominal Efficiency	94.1	% @ 60Hz		Shaft Material	None	
	91.5	% @ 50Hz		Coating	RAL	7024
Nominal Power Factor	0.86	cos θ @ 60Hz				
Full Load Torque Ft-Lb	S			Mechanical Data		
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6312C3	
Locked Rotor				Bearing NDE Side	6312C3	
Breakdown	400.7838963	295.0	-	Comp Ring (wavey washer)	DE	
Pull Up	249.9804641	184.0	-	Weight	539.1225	Lbs
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3
125% of FL	1773.8	92.81	66.72	Site Conditions		
75% of FL	1785.3	93.77	42.04	Temp Rise @ Full Load °C	B	@ 60Hz
50% of FL	1790.4	93.22	31.86	Ambient Temperature °C	40	
No Load	1199.0	0	20.61	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	NEMA-3-12-DD-D	

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



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Dimensional Drawing (For Reference Only)

Missing

DRAWING UNAVAILABLE CONTACT TECHTOP

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			

