



Model Number: GR3-CI-TF-160LB34-4-BR-D-20

MFG PN: 2999

List Price:

All data shown at HIGH voltage setting

Format: STD 3 Phase

Electrical Data				General Data			
Rated Motor Output Power	20.0	HP		Frame Size	160LB34		
Rated Motor Speed	1760	r/min 60Hz		Enclosure	TEFC		
	1450	r/min 50Hz		Mounting	B34		
Rated Motor Voltage (3 Phase)	230/460	V/60Hz		NEMA Design	A		
	190/380	V/50Hz		IP Rating	55		
Rated Motor Current	47.0/23.5	A (In) @ 60Hz		Insulation Class	F		
	58.0/29.0	A (In) @ 50Hz		Tropicalization	1		
FL Current @ 208V	None	A (In) @ 60Hz		Duty	Cont. / S1		
Service Factor	1.15	@ 60Hz		Cable Entry	2-M32X1.5		
	1.15	@ 50Hz		Feet Removable	1		
KVA Code	J	60Hz		Double Drilled	0		
	F	50Hz		Frame Material	Cast Iron		
Nominal Efficiency	93.0	% @ 60Hz		Shaft Material	None		
	90.0	% @ 50Hz		Coating	RAL	7024	
Nominal Power Factor	0.83	cosθ @ 60Hz					
Full Load Torque Ft-Lb	S			Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side	6309C3		
Locked Rotor				Bearing NDE Side	6309C3		
Breakdown	209.8264006	352.0	-	Comp Ring (wavey washer)	None		
Pull Up	122.7961322	206.0	-	Weight	315.0	Lbs	
Load Data	RPM	Eff %	Current Amps	Moment of Inertia	None	kg.m3	
125% of FL	1763.5	91.95	28.86	Site Conditions			
75% of FL	1779.4	92.77	18.28	Temp Rise @ Full Load °C	B	@ 60Hz	
50% of FL	1786.6	91.95	13.84	Ambient Temperature °C	40		
No Load	1199.0	0	8.72	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-3-12-DD-D4

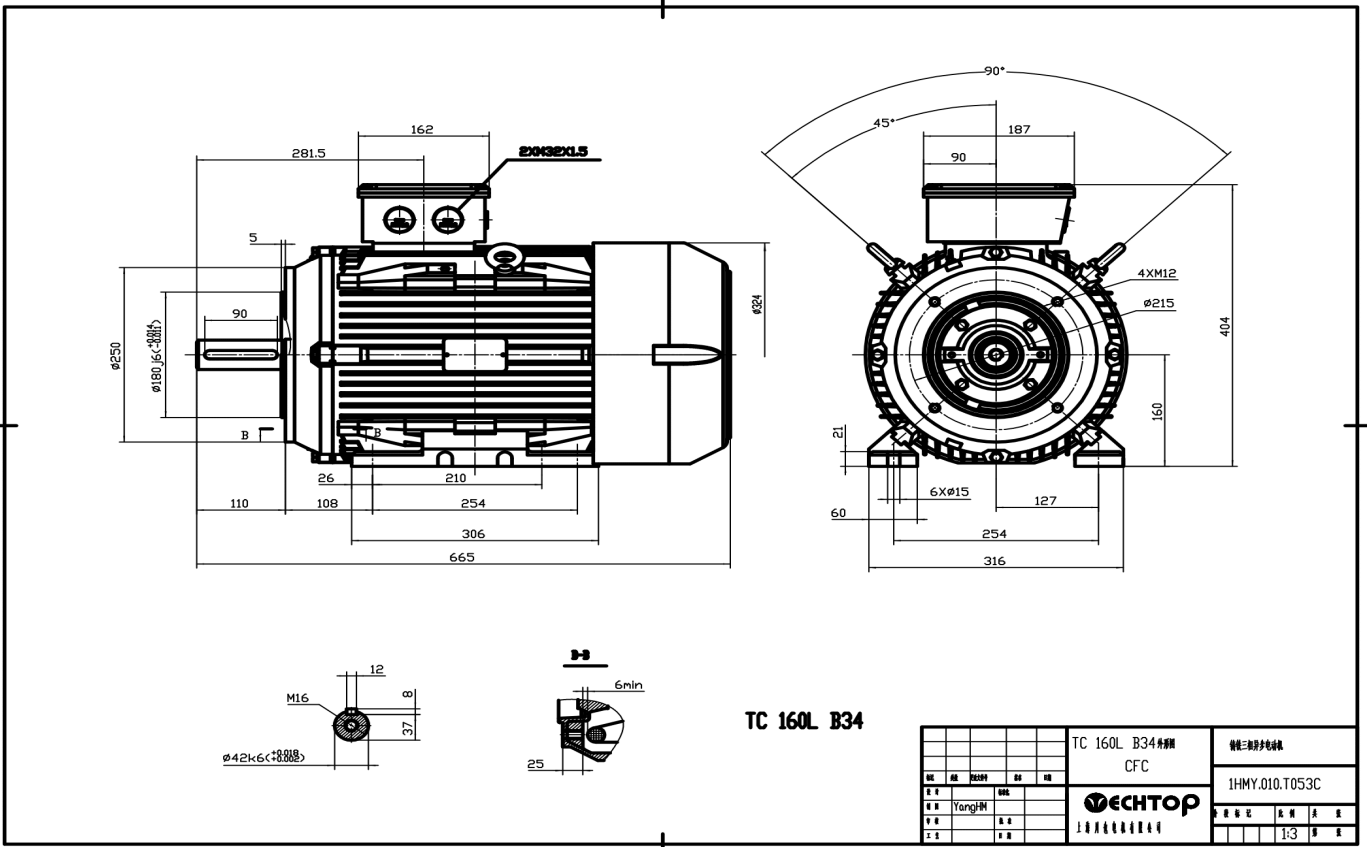
Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



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Dimensional Drawing (For Reference Only)

GR3-CI-TF-160LB34-CFC



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			

