

PRODUCT INFORMATION PACKET



Model No: C184T34FC32A

Catalog No: 132561.00

..7 1/2HP..3505RPM.184TC.TEFC.208-230/460V.3PH.60HZ.CONTINUOUS.40C.1.0SF.C
FACE.C184T34FC22A.....

Totally Enclosed Fan Cooled (TEFC)



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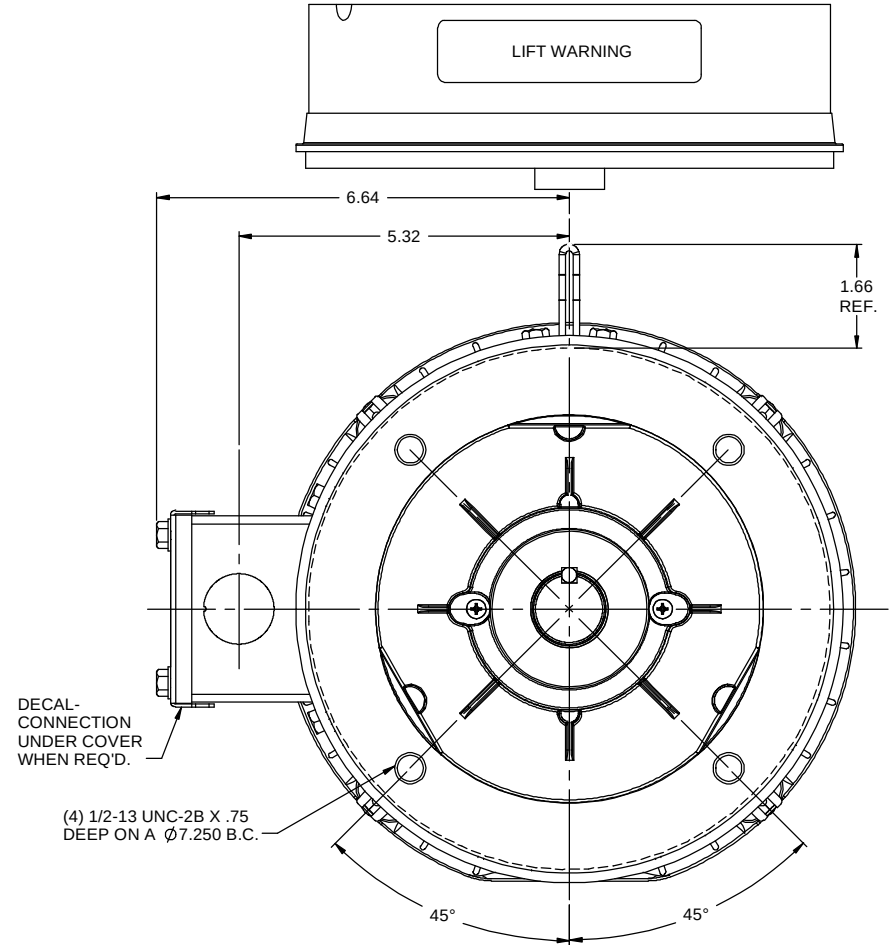
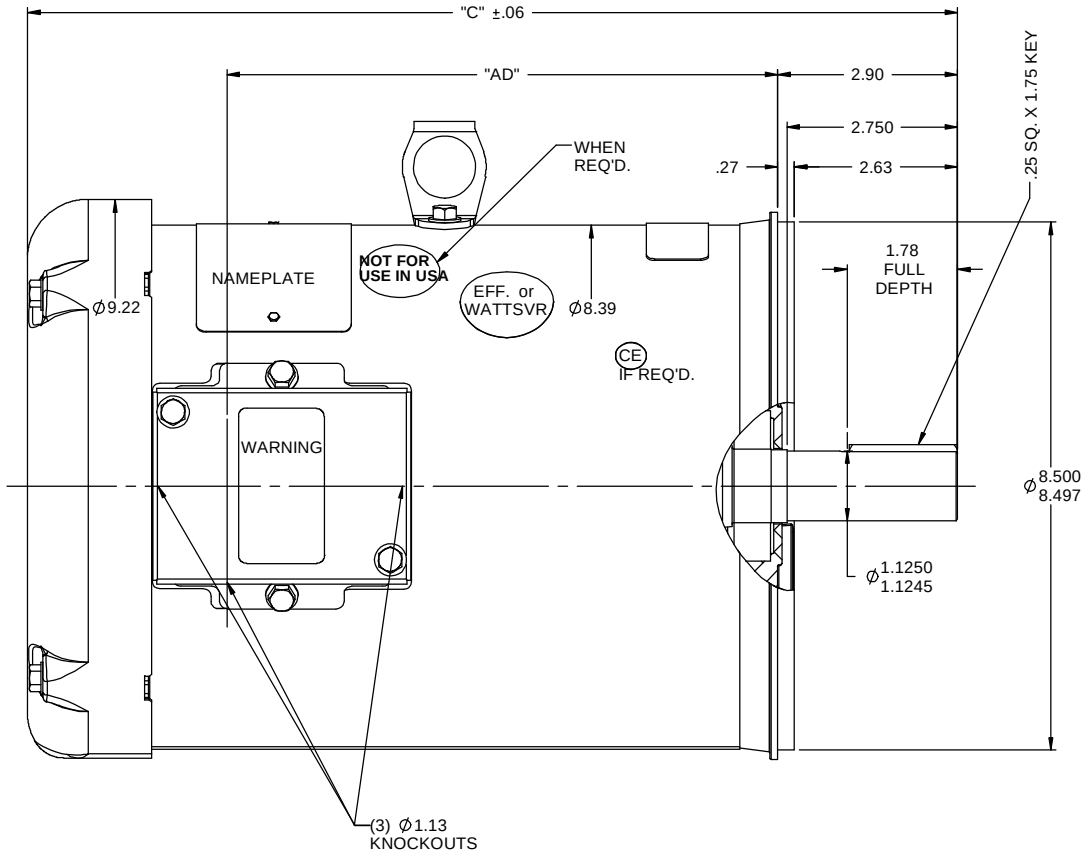
Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	17.6/8.8 A	Speed	3500 rpm
Service Factor	1	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	184TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	15.97 in	Frame Length	10.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	035518-1050	Connection Diagram	005010.01

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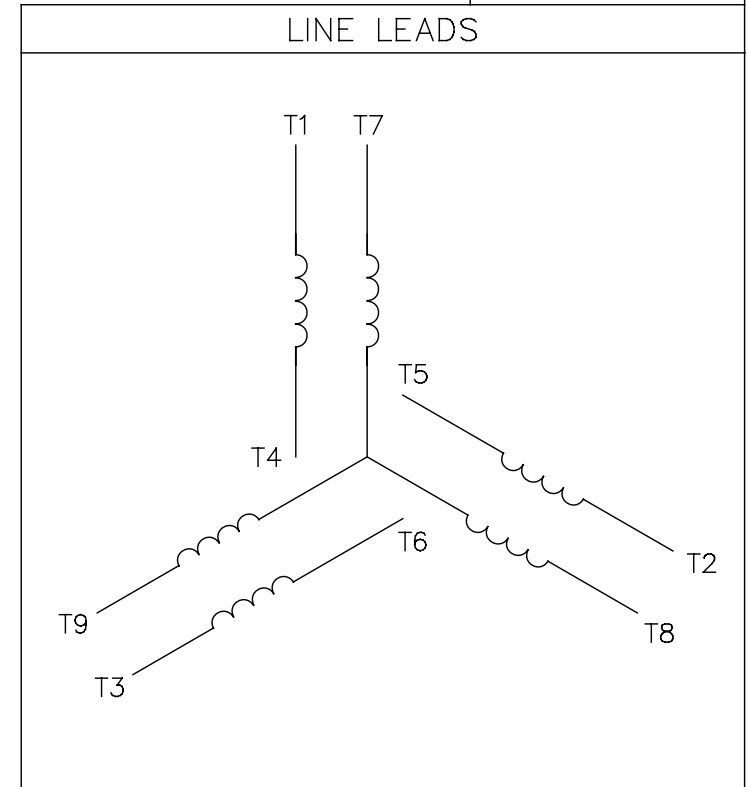
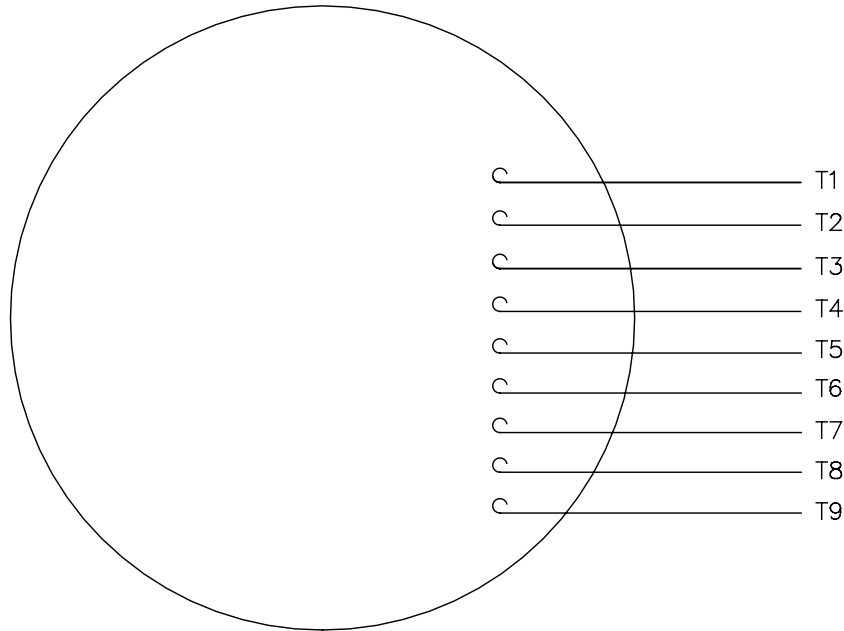
GASKETS THROUGHOUT
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

DASH NO.	"C"	"AD"
750	12.97	6.88
800	13.47	7.38
850	13.97	7.88
900	14.47	8.38
950	14.97	8.88
1000	15.47	9.38
1050	15.97	9.88
1100	16.47	10.38
1150	16.97	10.88

				TOLERANCES UNLESS SPECIFIED		DRAWN RDW 4/18/07	
				DEC	INCHES	CHK	
				X	±.1	APPR SW 4/18/07	
				XX	±.03	SCALE 1:2	
				XXX	±.005	REF 035452	
- UPDATED & REDRAWN IN SOLIDWORKS		LST 12/17/2009		XXXX	±.0005	FMF	
NO		REVISION		BY & DATE	CHK	PAGE OF	
				ANG	±1/2°	REV	
				FINISH	PREV	SIZE	
				NETWORK FILE NAME		DRAWING NO	
						B	
						035518	
						-	

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RDW 04/12/02	
				DEC.	INCHES		CHK	
				.X	±.1		APPD	
				.XX	±.01		SCALE 1=1	
				.XXX	±.005	EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	REF FIG.2-51	
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	04/12/02	CAD FILE	00501001	SIZE
				DIST	BRF-NLV			A
							DRAWING NO.	
							005010-01	
							REV.	
							A	



Data@ 460 V

Motor Load Data

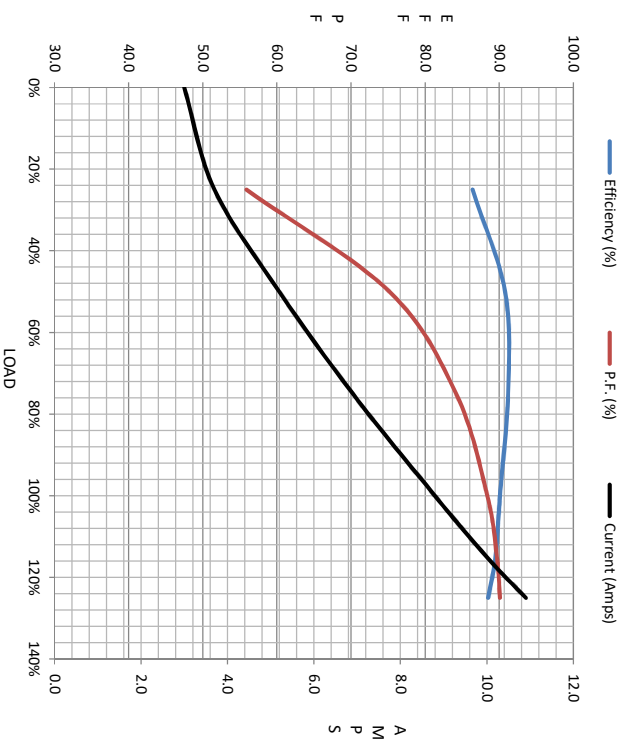
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (amps)	3.0	3.7	5.2	6.9	8.8	10.0	10.9	87.5
Torque (ft-lb)	0.00	2.80	5.6	8.4	11.2	12.9	14.0	34.6
RPM	3600	3579	3556	3535	3510	3,494	3482	0
Efficiency (%)	9.4	55.9	90.8	91.2	90.1	89.5	88.5	0.0
P.F. (%)		55.9	75.2	84.2	88.4	89.7	90.1	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	3312	3510	3600
Current (amps)	87.5	80.5	52.5	8.8	3.0
Torque (ft-lb)	34.6	33.5	46.0	11.2	0.00

Information Block

HP	7.5			
Sync. RPM	3600			
Frame	180			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460V 190/380			V
Frequency	60			Hz
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	70			° C
Duty	CONT			
Ambient	40			° C
Elevation	1,000			feet
Rotor/Shaft wk²	0.22			Lb-Ft²
Pel Wdg	T82153 FR			
Sound Pressure @ 1M	0			dBa
VFD Rating	NONE			
Outline Dwg	035518-1050			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (CHMS., PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

