

# PRODUCT INFORMATION PACKET



Model No: C182T34DC111A  
Catalog No: 132426.00  
..5HP..3600RPM.184TC.ODP.230/460V.3PH.60HZ.CONT.40C.1.15SF.C FACE.....GENERAL  
PURPOSE.....  
Open Drip Proof (ODP)



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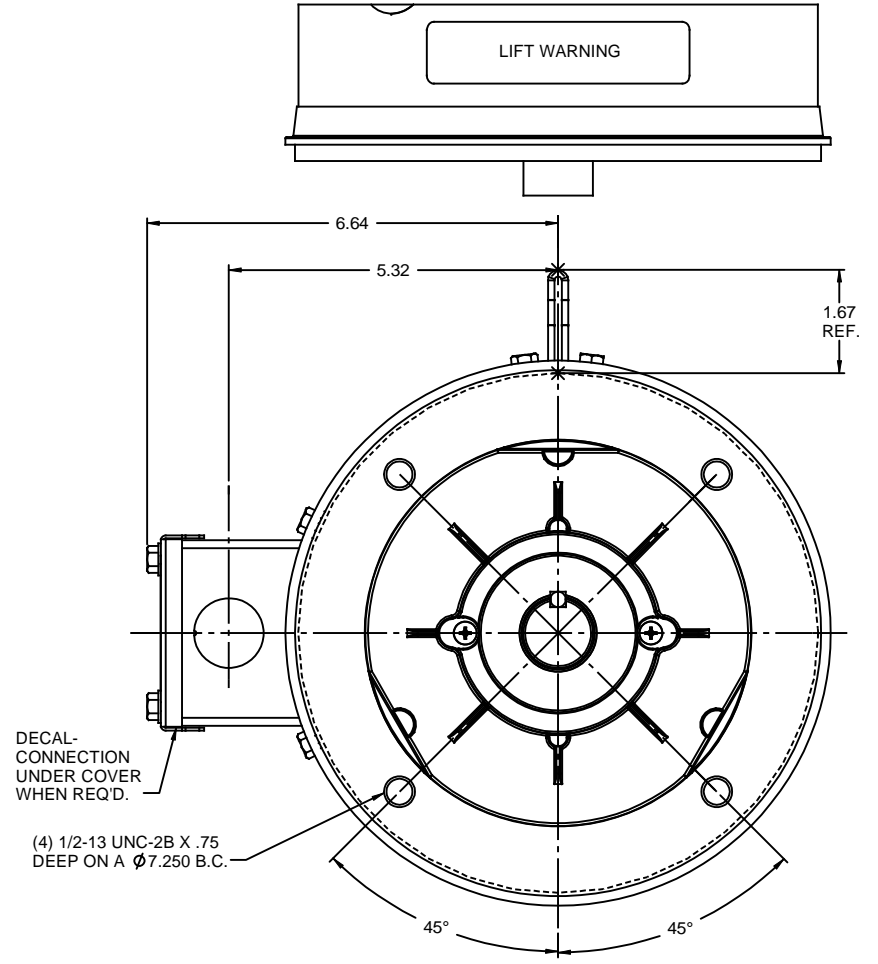
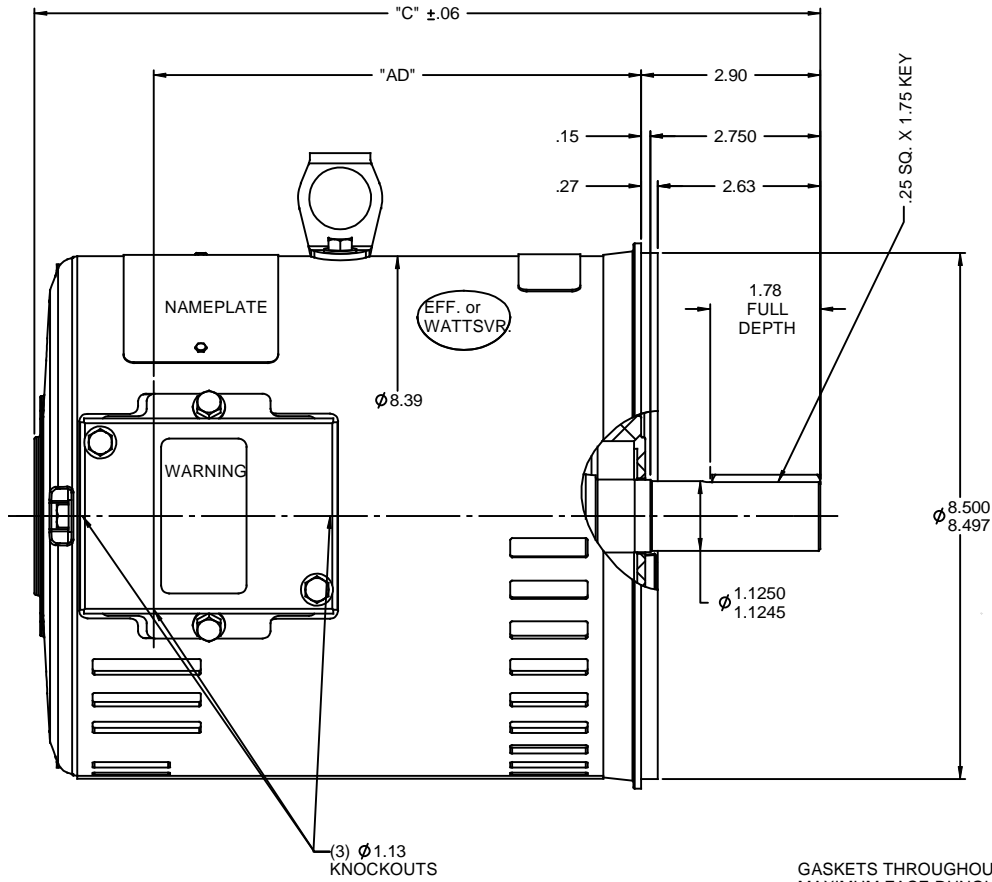
### Nameplate Specifications

Output HP	<b>5 Hp</b>	Output KW	<b>3.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>12.4/6.2 A</b>	Speed	<b>3500 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>J</b>	Frame	<b>182TC</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6206</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Round</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>13.20 in</b>	Frame Length	<b>9.00 in</b>
Shaft Diameter	<b>1.125 in</b>	Shaft Extension	<b>2.75 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>035344-900</b>	Connection Diagram	<b>005010.01</b>

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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"
850	12.70	7.88
900	13.20	8.38
950	13.70	8.88
1000	14.20	9.38
1050	14.70	9.88
1100	15.20	10.38
1150	15.70	10.88

REVISION		BY & DATE	CHK	ANG	FINISH	SIZE	DRAWING NO	REV
- UPDATED & REDRAWN TO SOLIDWORKS		LST 12/17/2009	XX	XXX	±.0005	B	035344	-
THIRD ANGLE PROJECTION								



TOLERANCES UNLESS SPECIFIED:  
 DEC INCHES  
 X ±.1  
 .XX ±.03  
 .XXX ±.005  
 .XXX ±.0005  
 ANG ±1/2°  
 TITLE OUTLINE - 180TC FRAME  
 DRIP PROOF - "C" FACE  
 MATL  
 FINISH  
 DRAWN RDW 7/22/97  
 CHK PG 7/28/97  
 APPR  
 SCALE 1:2  
 REF 035326  
 FMF  
 PAGE OF

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		<b>Regal Beloit America, Inc.</b>		DRAWN RDW 04/12/02				
				DEC.	INCHES			CHK				
				.X	±.1			APPD				
				.XX	±.01			SCALE 1=1				
				.XXX	±.005	TITLE		REF FIG.2-51				
A	UPDATED TO REGAL LOGO			SAJ	06/26/15	AJY	.XXXX	±.0005	MAT'L. DECAL - 004014	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	DRAWING NO.	REV.
				DIST	BRF-NLV				A	005010-01		A



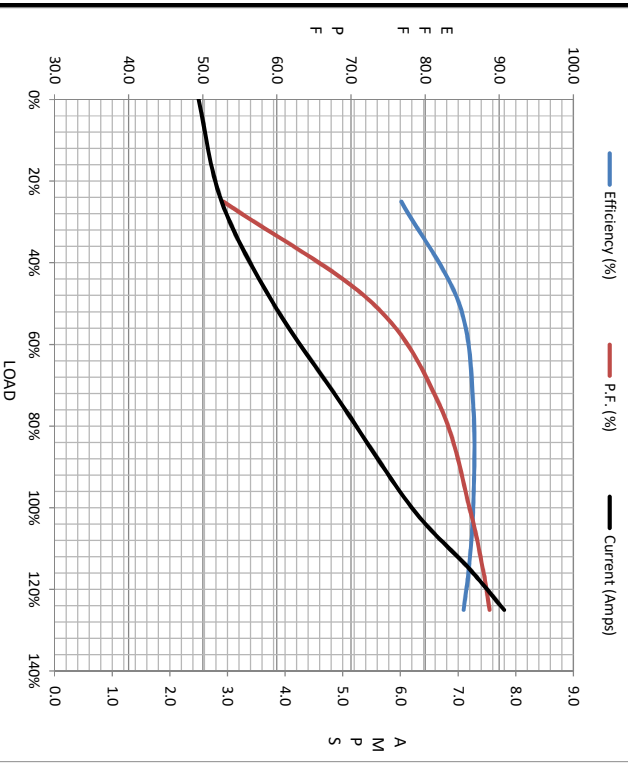
Motor Load Data						LR	
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	2.50	2.90	3.8	5.0	6.2	7.2	7.8
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.5	8.7	9.5
RPM	3600	3576	3552	3526	3500	3478	3465
Efficiency (%)		76.8	84.6	86.5	86.5	85.9	85.2
P.F. (%)	13.0	52.8	73.0	82.0	86.0	87.8	88.7

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2900	3500	3600
Current (Amps)	45.5	41.0	28.9	6.2	2.50
Torque (ft-lb)	16.1	14.5	25.0	7.5	0.00

Information Block

HP	5.0			
Sync. RPM	3600			
Frame	182			
Enclosure	DP			
Construction	TDW			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	30 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.18 Lb-Ft <sup>2</sup>			
Ref Wdg	T82117 R1			
Sound Pressure @ 1M	71 dBA			
VFD Rating	NONE			
Outline Dwg	035344-900			
Conn. Diag	005010.01			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.3270	1.2190	3.0560	1.6770	97.8640



Speed - Torque Curve

