

# PRODUCT INFORMATION PACKET



Model No: U182T17DB61A

Catalog No: 132234.00

..3HP..1760RPM.182T.DP.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.U182T17DB61.....Automatic.....

Open Drip Proof (ODP)



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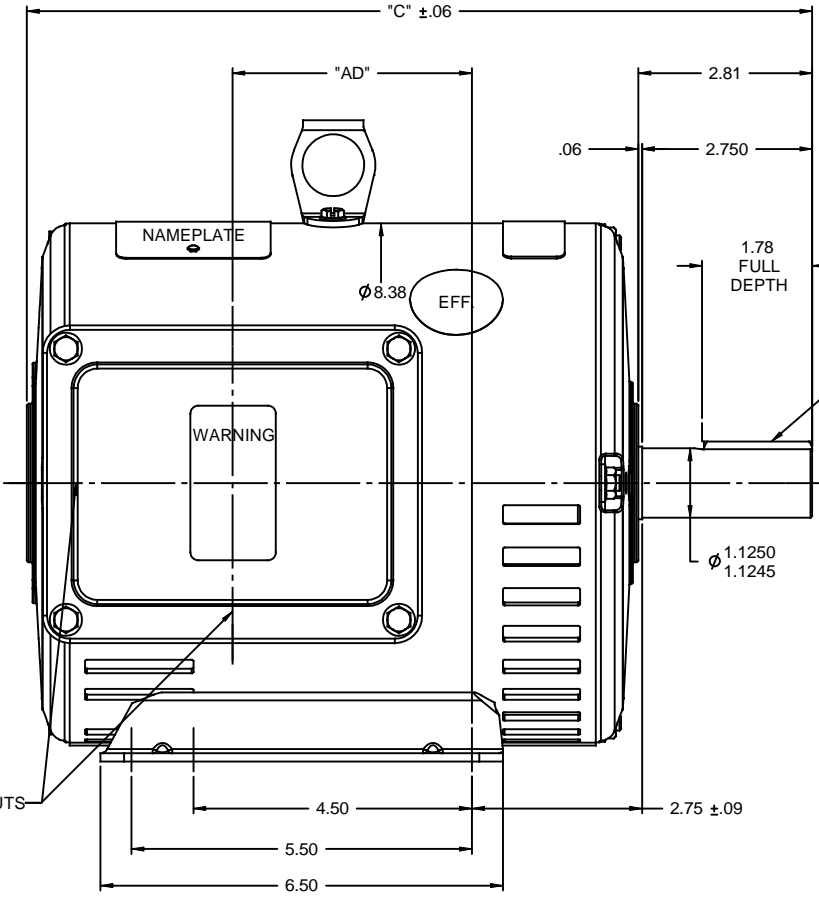
### Nameplate Specifications

Output HP	<b>3 Hp</b>	Output KW	<b>2.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>8.0/4.0 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>89.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>K</b>	Frame	<b>182T</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>Automatic</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>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</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>13.19 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>035468-900</b>	Connection Diagram	<b>005020.02</b>

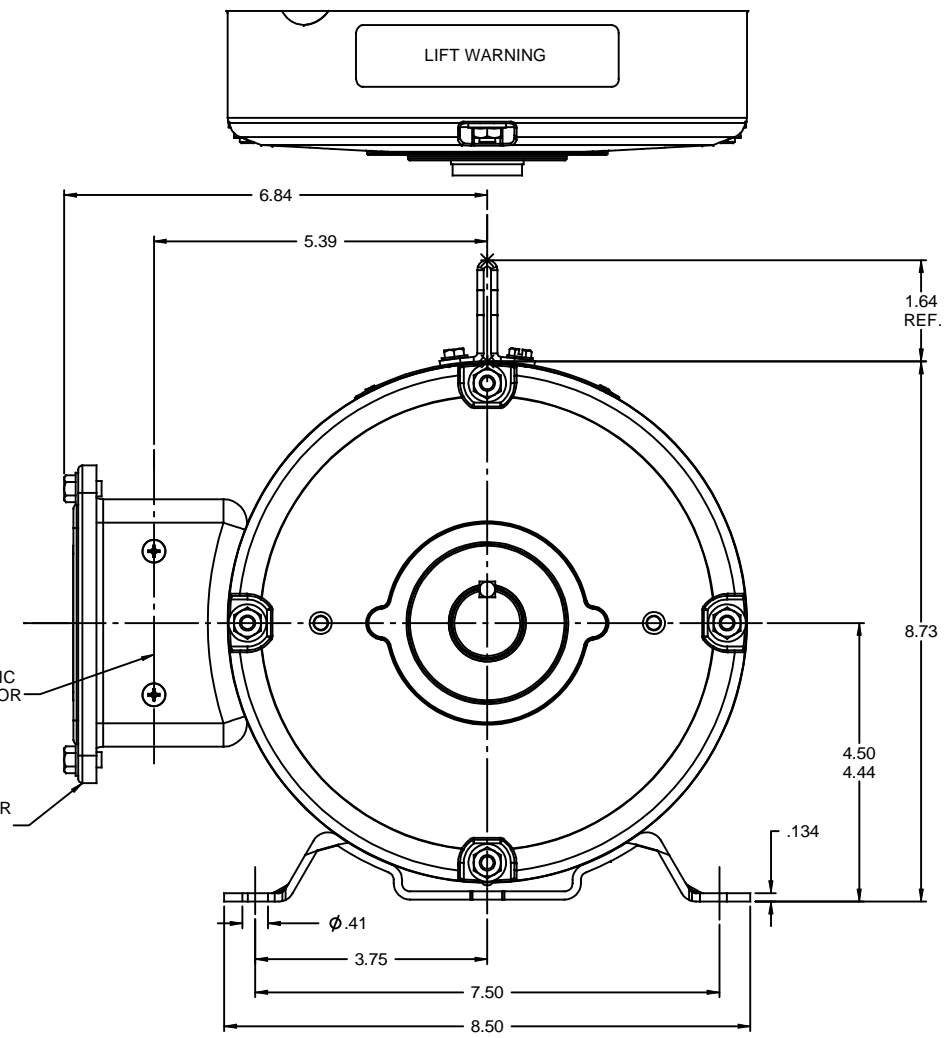
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25 SQ. X 1.75 KEY

AUTOMATIC PROTECTOR  
 DECAL-CONNECTION UNDER COVER WHEN REQ'D.

GASKETS THROUGHOUT



DASH NO.	"C"	"AD"
850	12.69	3.88
900	13.19	4.38
950	13.69	4.88
1000	14.19	5.38
1050	14.69	5.88
1100	15.19	6.38
1150	15.69	6.88

REVISION		BY & DATE	CHK	ANG	FINISH	SIZE	DRAWING NO	REV
- UPDATED & REDRAWN IN SOLIDWORKS		LST 12/23/2009	XX	XXX	±.0005			
NO			RFP	±1/2°	PREV	B	035468	-



TOLERANCES UNLESS SPECIFIED:  
 DEC INCHES  
 X ±.1  
 .XX ±.03  
 .XXX ±.005  
 .XXXX ±.0005

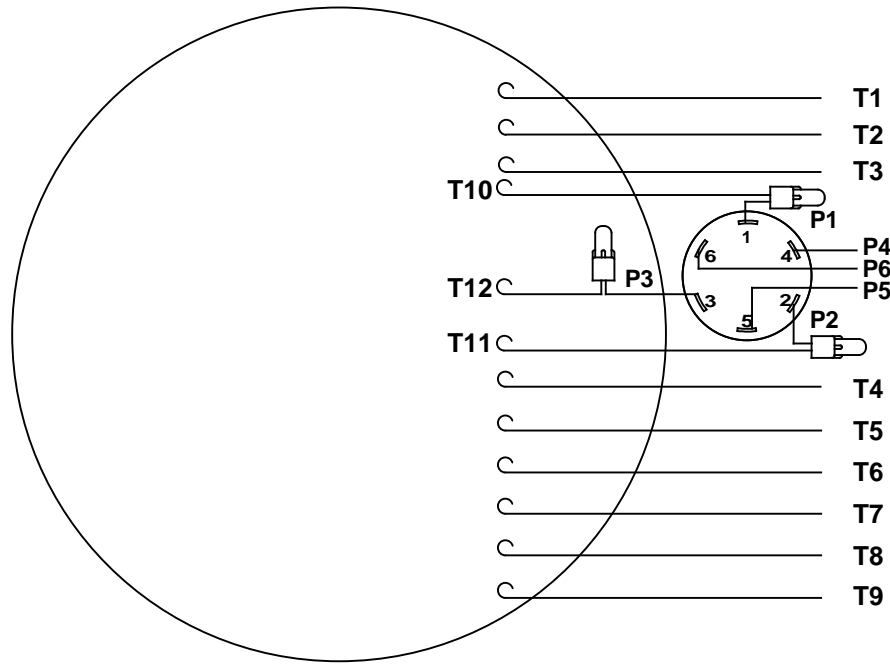
**REGAL BELOIT CORPORATION**

TITLE: OUTLINE - 180T FRAME  
 DRIP PROOF - RIGID  
 MATL: GENERAL PURPOSE

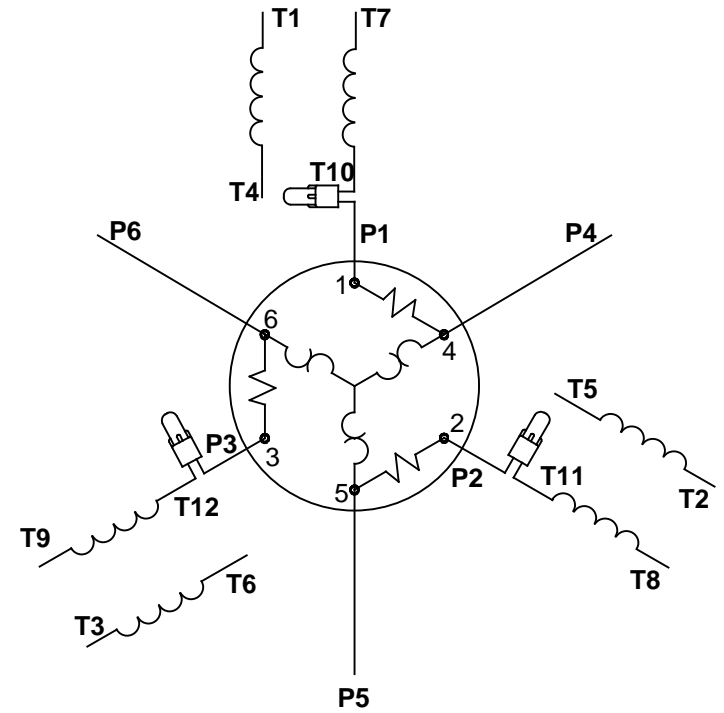
DRAWN: RDW 2/28/03  
 CHK:  
 APPR: SW 2/28/03  
 SCALE: 1:2  
 REF: 035464  
 FMF

NETWORK FILE NAME

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.




LINE LEADS



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VOLTAGE	L1	L2	L3	JOIN	SEPARATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)	(P4) (P5) (P6)
LOW	T1,T7	T2,T8	T3,T9	(T4,P4) (T5,P5) (T6,P6)	

		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN
		DEC	INCHES		VJB 02/18/11
		.X	±.1		CHK
		.XX	±.01		APPR
		.XXX	±.005	TITLE	SCALE 1:1
		.XXXX	±.0005	EXTERNAL WIRING DIAGRAM TYPE "T" W/PROTECTOR	REF
02	ADDED REV TO AGREE WITH ORACLE	ARV 4/26/2011	KH	MAT'L DECAL - 004023-01	FMF
NO	REVISION	BY & DATE	CHK	FINISH	PAGE OF
THIRD ANGLE PROJECTION		RFP	PREV	SIZE	DRAWING NO
		NETWORK FILE NAME	00502002	A	005020-02
					REV
					02



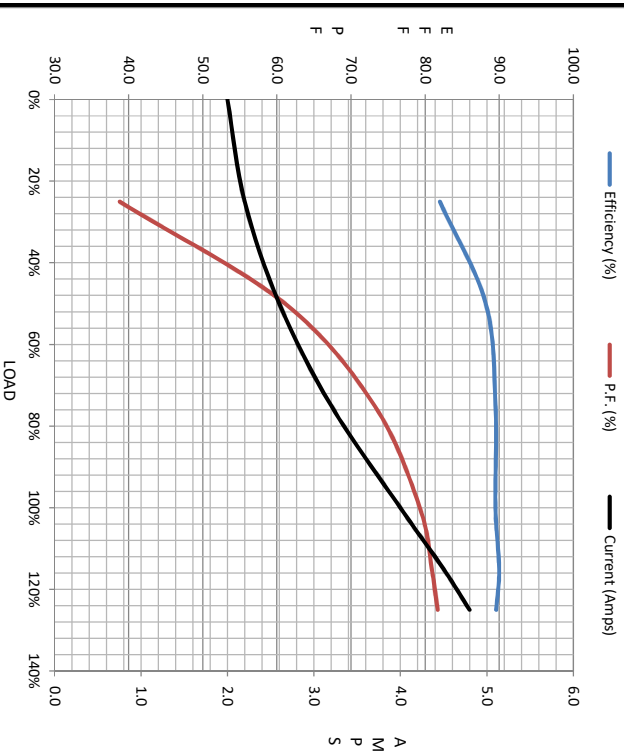
Load	Motor Load Data						LR	
	0%	25%	50%	75%	100%	115%		125%
Current (Amps)	2.00	2.20	2.60	3.2	4.0	4.5	4.8	34.2
Torque (ft-lb)	0.00	2.19	4.4	6.6	8.9	10.3	11.2	22.0
RPM	1800	1790	1779	1767	1760	1,752	1745	0
Efficiency (%)		82.0	88.2	89.5	89.5	90.0	89.6	
P.F. (%)	6.9	38.8	61.1	73.2	79.3	80.9	81.7	50.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	330	1500	1760	1800
Current (Amps)	34.2	33.5	22.0	4.0	2.00
Torque (ft-lb)	22.0	14.8	35.8	8.9	0.00

Information Block

HP	3.0			
Sync. RPM	1800			
Frame	182			
Enclosure	DP			
Construction	TDW			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	31 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.36 LB-Ft <sup>2</sup>			
Ref Wdg	T84173 DR			
Sound Pressure @ 1M	51 dBA			
VFD Rating	NONE			
Outline Dwg	035468-900			
Conn. Diag	005020.02			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

