

# PRODUCT INFORMATION PACKET



Model No: C182T17FB54A

Catalog No: 132328.00

..3HP..1800RPM.182T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....FARM DUTY.....

Agricultural



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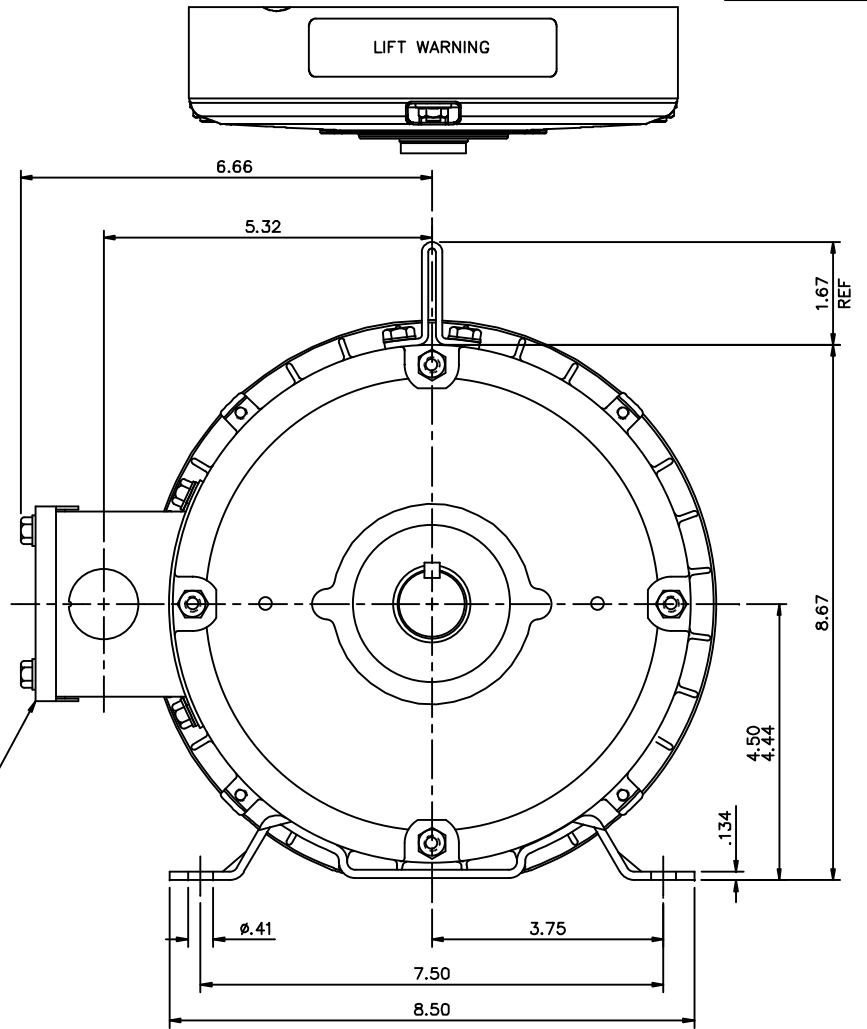
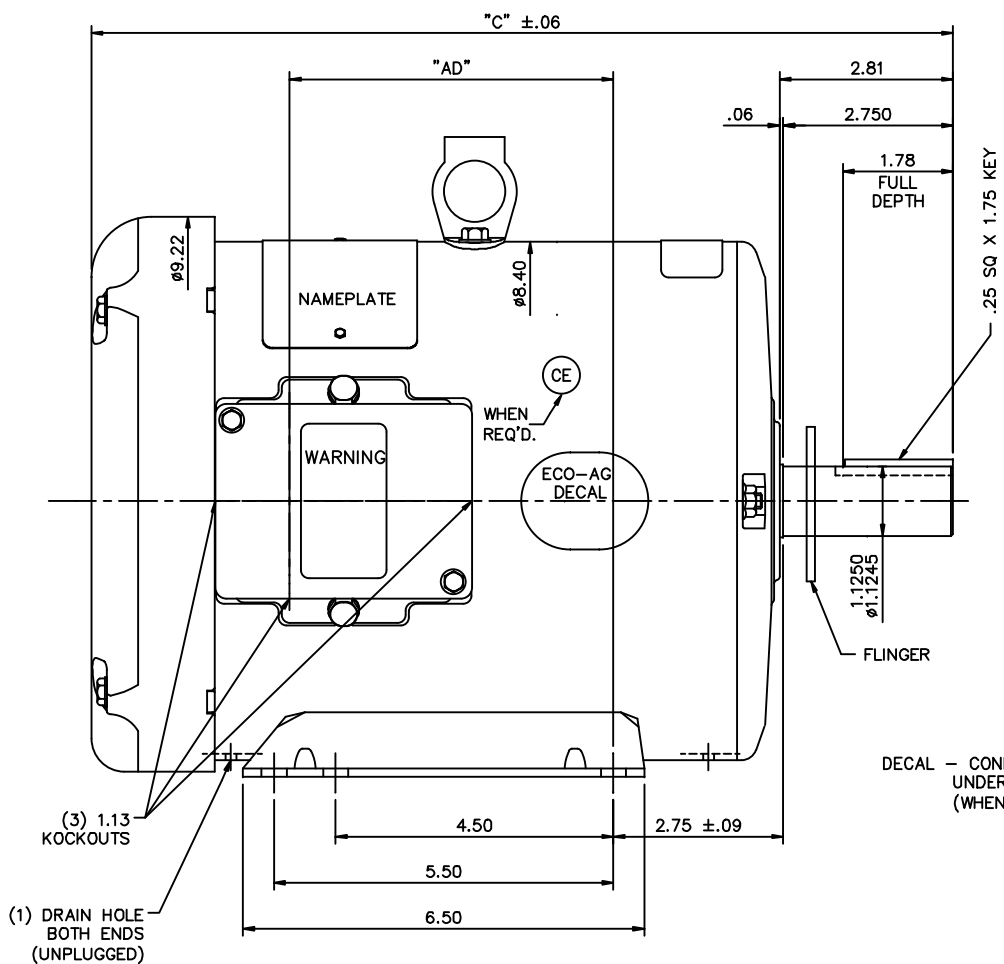


### Nameplate Specifications

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>7.8/3.9 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>Totally Enclosed Fan Cooled</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>43</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>13.96 in</b>	Frame Length	<b>8.50 in</b>
Shaft Diameter	<b>1.125 in</b>	Shaft Extension	<b>2.75 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>035900-850</b>	Connection Diagram	<b>005010.20</b>

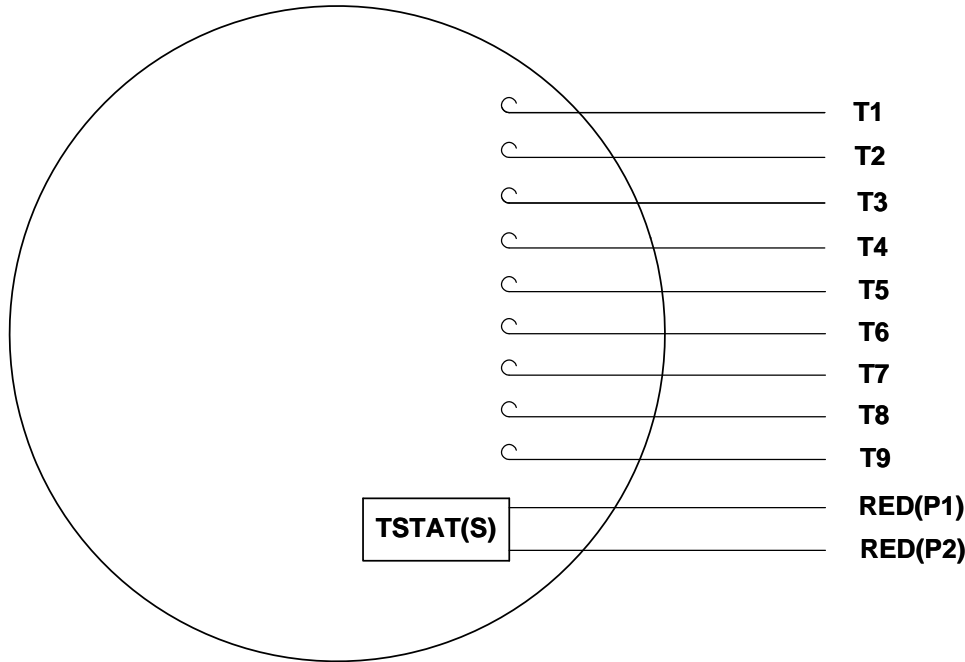


GASKETS THROUGHOUT

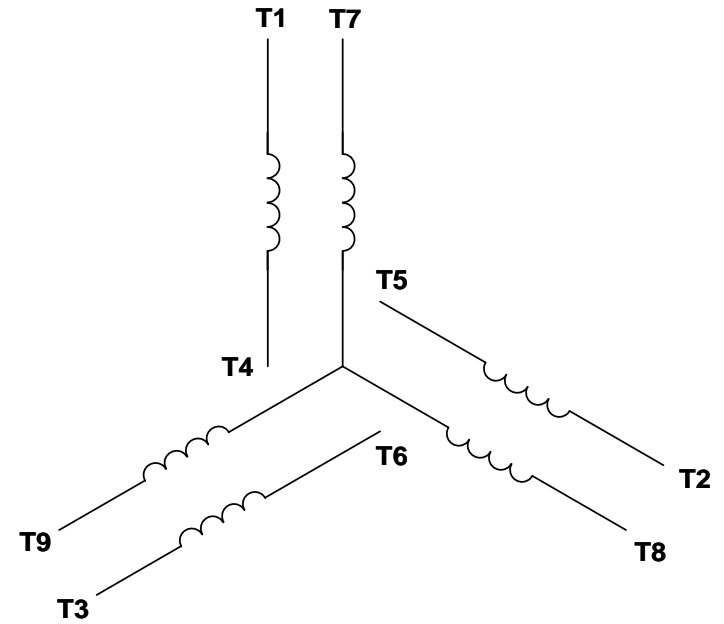
DASH NO.	"C"	"AD"
750	12.96	4.25
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25

TOLERANCES UNLESS SPECIFIED				REGAL-BELOIT CORPORATION		DRAWN	PVR	
DEC.	INCHES	TITLE	REGAL-BELOIT CORPORATION		CHK	ST	08/02/12	
.X	±.1	OUTLINE - 180T FRAME TEFC - RIGID	GENERAL PURPOSE		APPD	SCALE	1-2	
.XX	±.03		REF	035465				
.XXX	±.005		FMF					
.XXXX	±.0005		PREV					
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH		
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	1/20/03	CAD FILE	035900	SIZE	DRAWING NO.
			DIST	NLV			B	035900
							REV.	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



**LINE LEADS**



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

DRAWING REVISION **G** REVISION BY **MVG** DATE **04/05/2017**

ECO **ECO-0121253** APPROVED BY **SM** DATE **04/05/2017**

ECO DESCRIPTION  
**ADDED P1 & P2 FOR TSTAT**

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TOLERANCES UNLESS OTHERWISE SPECIFIED:  

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

**REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°**  
**CORNER FILLETS: R.02 [.51]**  
**MACHINED SURFACES: 125/3.2 INCH/mm**  
**mm SHOWN IN [BRACKETS]**

DRAWN BY **DBT 12/16/97**

DATE

APPROVED BY **KH 12/17/97**

DATE

REFERENCE  
THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
**CONN DIAGRAM-EXTERNAL**  
**3 PHASE WITH PROTECTOR**

MATERIAL <b>DECAL - 004014 (TSTAT) - 080582</b>	PROCESS/FINISH <b>STOCK</b>
SIZE <b>A</b>	DRAWING NUMBER <b>00501020</b>
SHEET <b>1 OF 1</b>	



P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.20  
OUTLINE: 035900-850  
WINDING: T84174

CAT #: 132328.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
3	2.2	1800	1770	182T	TEFC	TFW	K	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60	230/460	7.8/3.9	ACROSS THE LINE	CONT	F	1.15	40	3300			
F.L. EFF	89.5	3/4 LD EFF	89.6	1/2 LD EFF	87.7	GTD EFF	0.0	ELECT. TYPE				
F.L. PF	80.5	3/4 LD PF	73.8	1/2 LD PF	62.7	SQ CAGE IND RUN						
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	22.5	LB-FT	253%	B.D. TORQUE	36.0	LB-FT	404%	F.L. RISE (°C)	40	
8.9	LB-FT	33.5										
PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT						
0	DBA	9	DBA	0.38	LB-FT²	0	LB-FT²	10	SEC.	2	0	LB.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	GREEN (ENAMEL)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE	ODE							
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL	
6206	6205							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NA
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

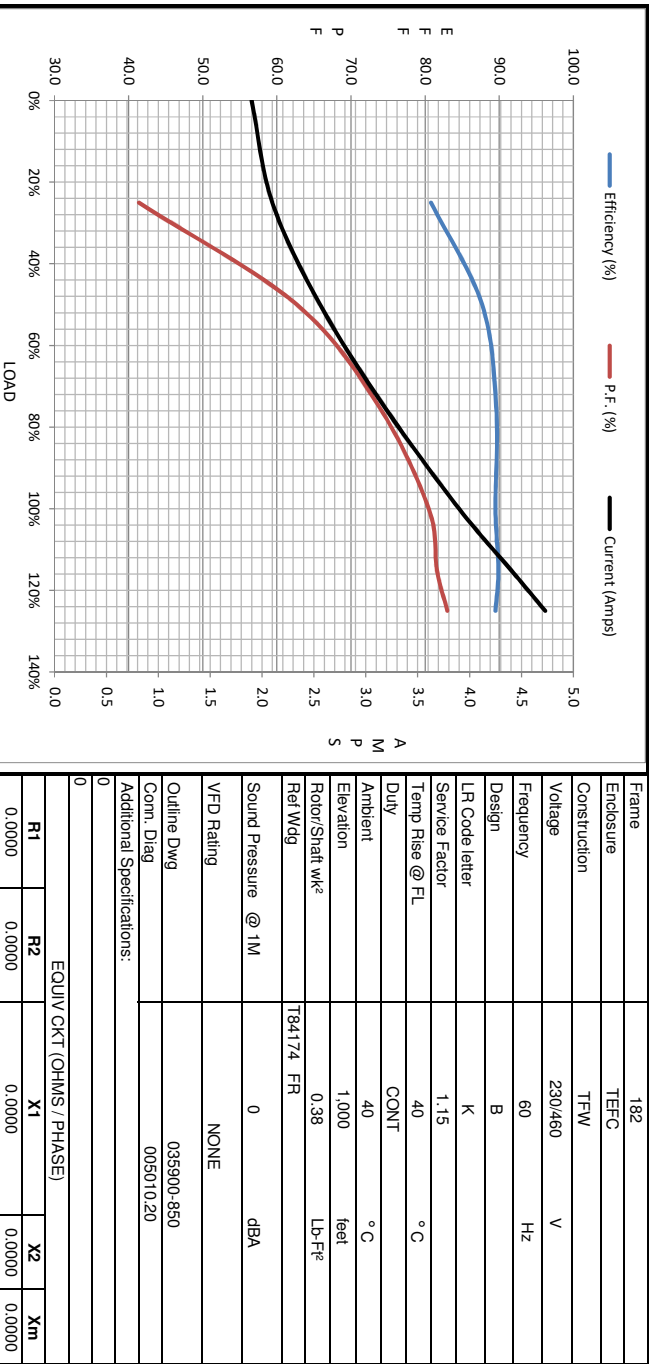
* N O T E S *		INVERTER TORQUE: NONE	INV. HP SPEED RANGE: NONE
		ENCODER: NONE	
		BRAKE: NONE	NONE PPR
		NONE	
		NONE	
		NONE	
		NONE	
		NONE	

DATE:	1/24/2018	FT-LB:	NA	NONE
		VOLTAGE:	NONE	
		UL: Y:(LEESON UL REC)		HZ:



Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.90	2.10	2.56	3.2	3.9	4.4	4.7	33.5
Torque (ft-lb)	0.00	2.20	4.4	6.6	8.9	10.3	11.2	22.5
RPM	1800	1792	1785	1777	1770	1766	1755	0
Efficiency (%)		80.8	87.7	89.6	89.5	89.9	89.5	
P.F. (%)	6.9	41.4	62.7	73.8	80.5	81.6	83.0	0.0

Motor Speed Data					Information Block																						
Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	



EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

