

PRODUCT INFORMATION PACKET

Model No: 132328.00

Catalog No: 132328.00

Agricultural Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182T Frame, TEFC



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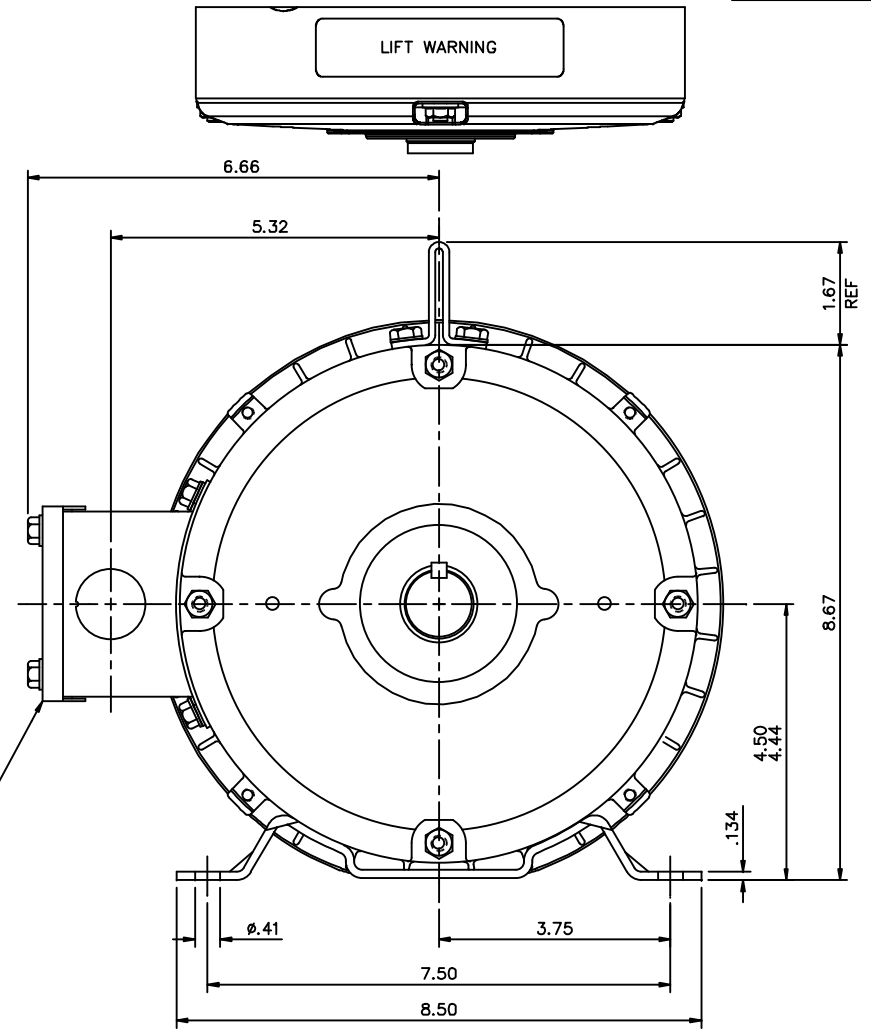
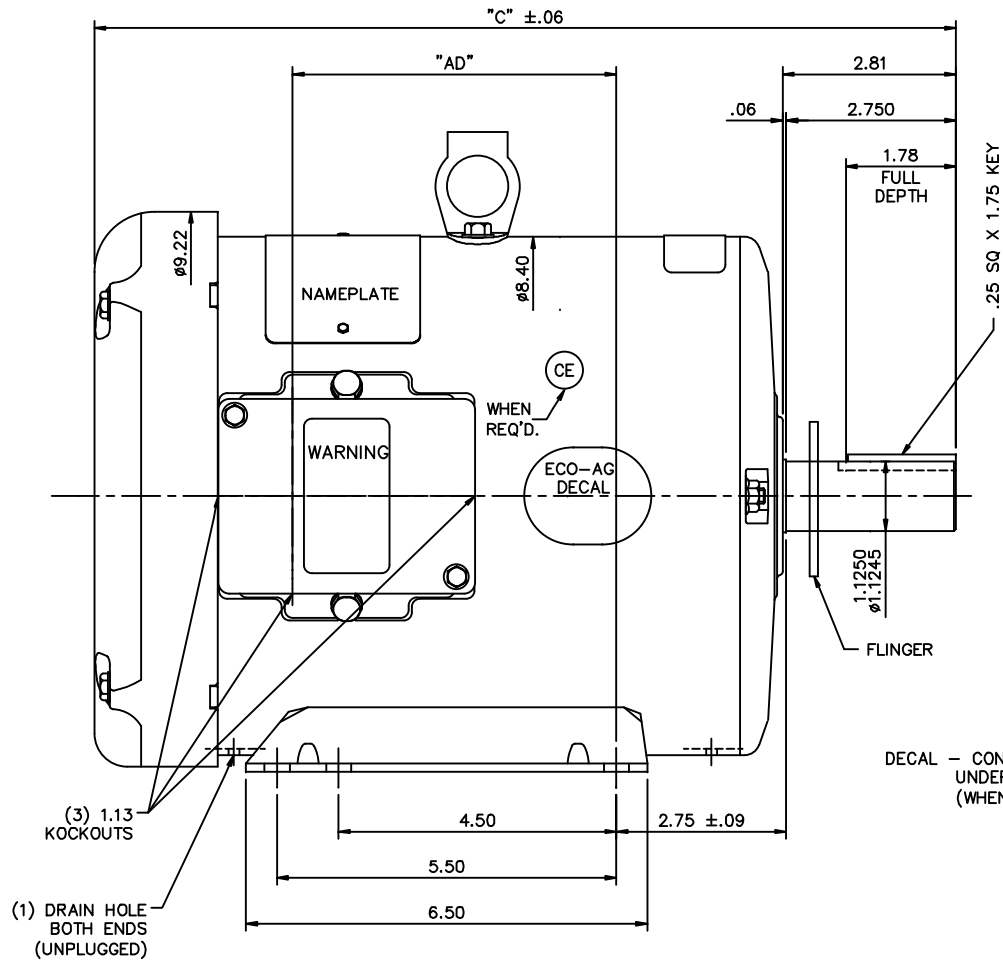
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.8/3.9 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	80.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Frame	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	6.08 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.96 in
Frame Length	8.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.20	Outline Drawing	035900-850

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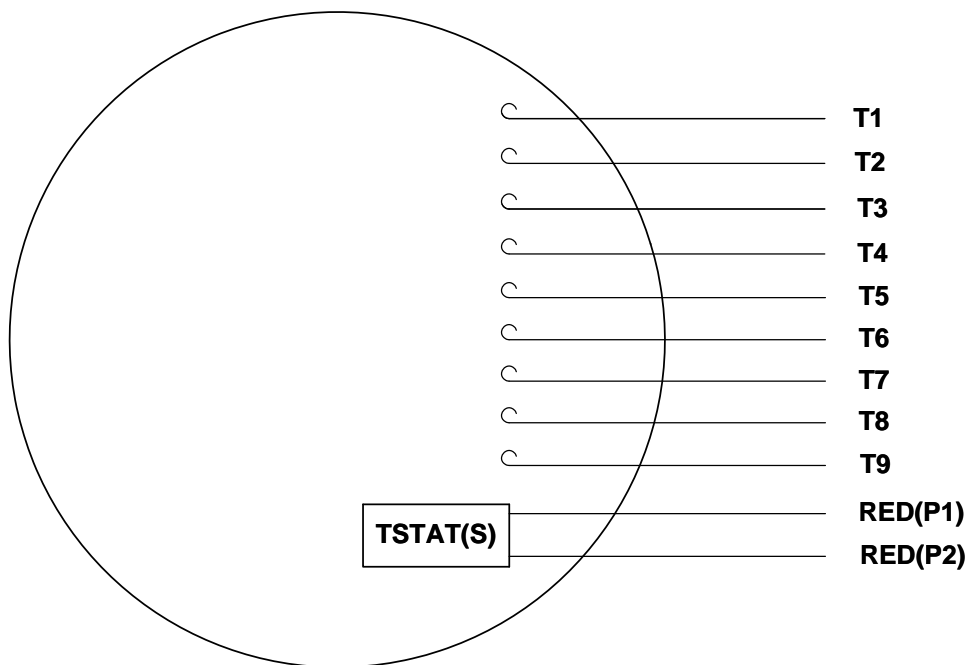


GASKETS THROUGHOUT

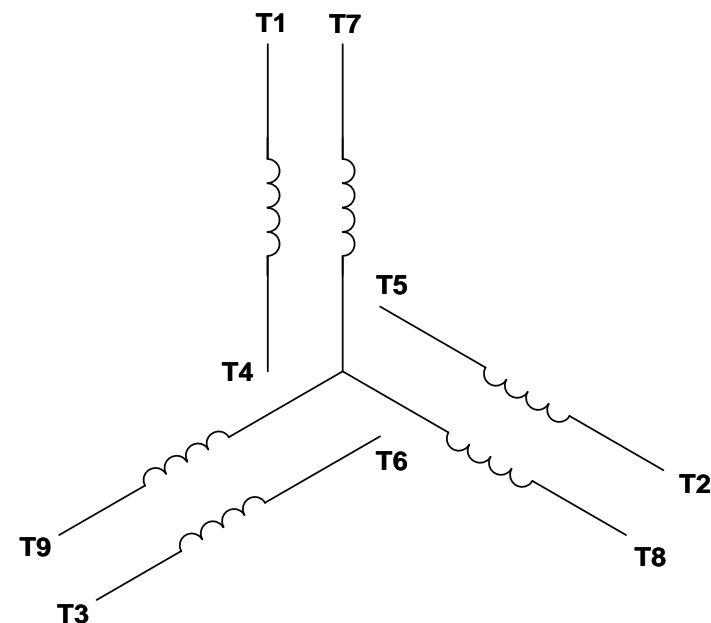
DASH NO.	"C"	"AD"
750	12.96	4.25
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25

TOLERANCES UNLESS SPECIFIED				DRAWN PVR 08/02/12	
DEC.	INCHES			CHK	ST 08/02/12
.X	±.1			APPD	
.XX	±.03			SCALE	1-2
.XXX	±.005			REF	035465
.XXXX	±.0005			FMF	
				PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'
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
			DIST	NLV	035900
			SIZE B		DRAWING NO. 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 Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE WITH PROTECTOR	
MATERIAL DECAL - 004014 (TSTAT) - 080582	PROCESS/FINISH STOCK
SIZE A	DRAWING NUMBER 00501020
SHEET 1 OF 1	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.20

CAT #: 132328.00

OUTLINE: 035900-850

WINDING: T84174

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	SQ CAGE IND RUN
F.L. PF	80.5	3/4 LD PF	73.8	1/2 LD PF	62.7				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
8.9 LB-FT	33.5	22.5 LB-FT 253%	36.0 LB-FT 404%	40

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 NONE NONE
		NONE PPR

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

Data Sheet

Date: 1/24/2018

132328.00



Data @ 460 V

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	1,766	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

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1656	1770	1800	HP	3.0
Current (Amps)	33.5	33.0	21.5	3.9	1.90	Sync. RPM	1800
Torque (ft-lb)	22.5	21.0	36.0	8.9	0.00	Frame	182
						Enclosure	TEFC
						Construction	TFW
						Voltage	230/460 V
						Frequency	60 Hz
						Design	B
						LR Code letter	K
						Service Factor	1.15
						Temp Rise @ FL	40 °C
						Duty	CONT
						Ambient	40 °C
						Elevation	1,000 feet
						Rotor/Shaft wk²	0.38 Lb-Ft²
						Ref Wdg	T84174 FR
						Sound Pressure @ 1M	0 dBA
						VFD Rating	NONE
						Outline Dwg	035900-850
						Conn. Diag	005010.20
Additional Specifications:							
0							
0							
EQUIV CKT (OHMS / PHASE)							
	R1	R2	X1	X2	Xm		
	0.0000	0.0000	0.0000	0.0000	0.0000		

Speed -Torque Curve

