

PRODUCT INFORMATION PACKET



Model No: 131994.00
Catalog No: 131994.00
Agricultural Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 184TC Frame, TEFC



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Nameplate Specifications

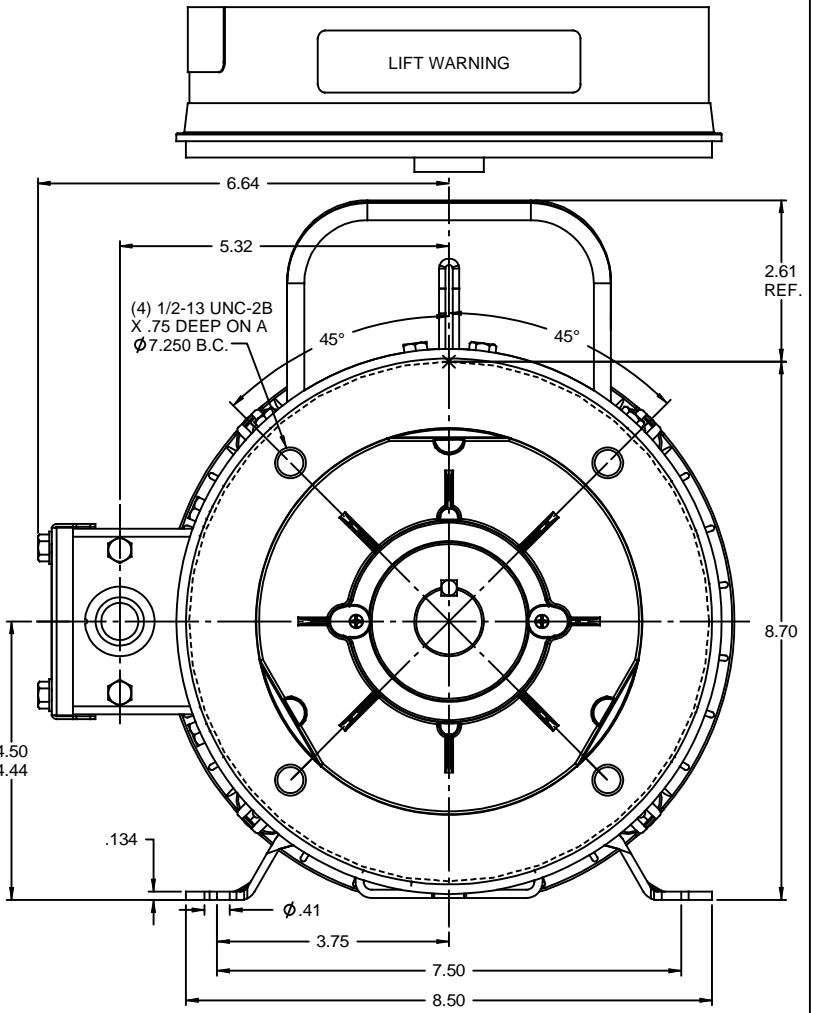
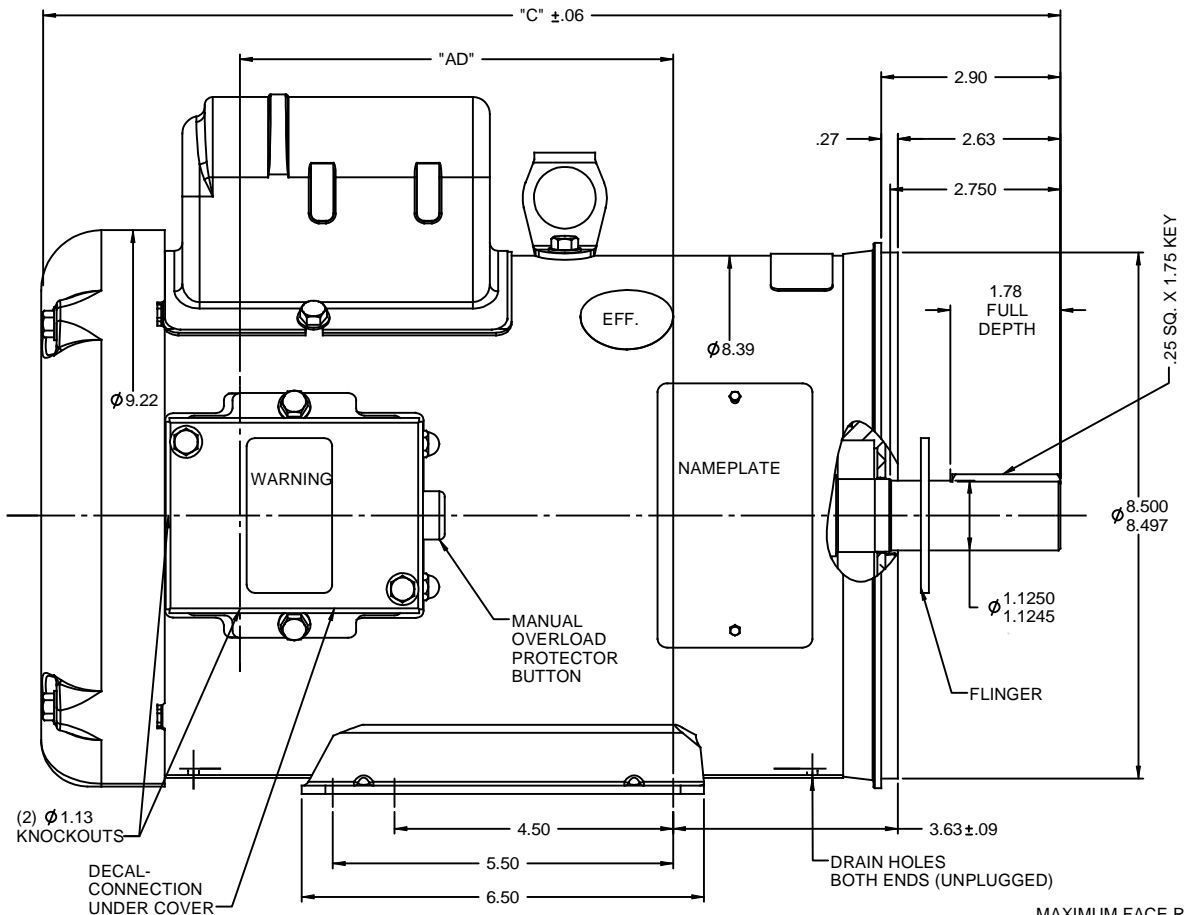
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	19.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	75.5 %	Power Factor	68
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	K
Frame	184TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.498 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	16.47 in
Frame Length	11.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005110.01	Outline Drawing	035483-1100

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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.

MOTOR SPECIAL FEATURES
 DRAIN HOLES IN FRAME (UNPLUGGED)
 MANUAL RESET OVERLOAD PROTECTOR
 FLINGER
 GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
850	13.97	4.50
900	14.47	5.00
950	14.97	5.50
1000	15.47	6.00
1050	15.97	6.50
1100	16.47	7.00
1150	16.97	7.50
1200	17.47	8.00

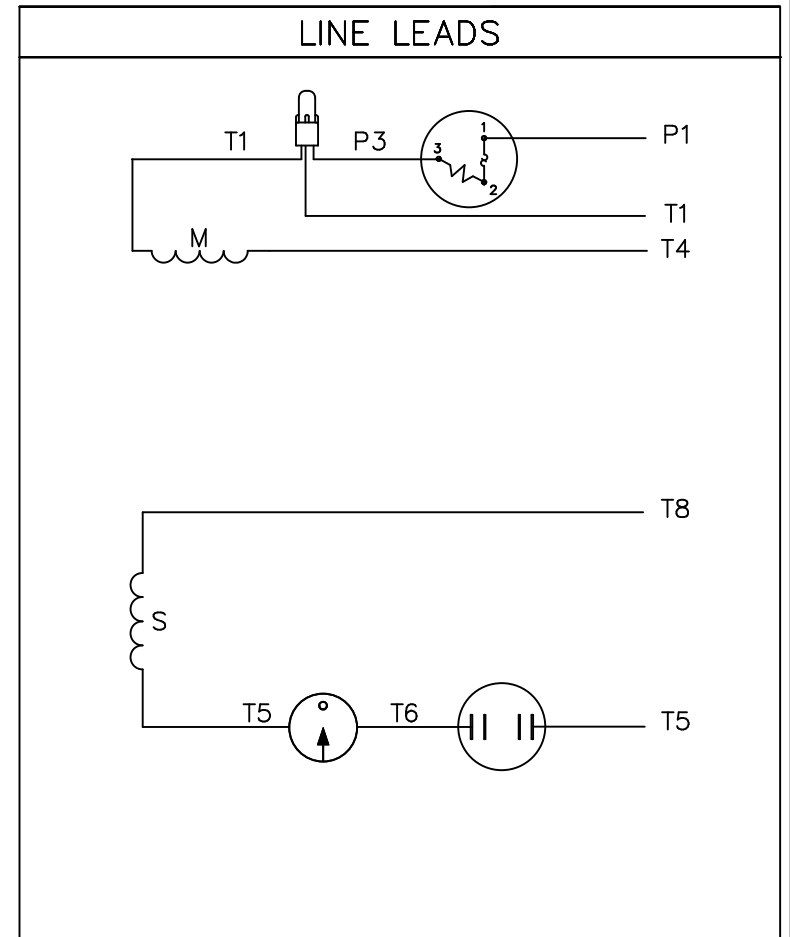
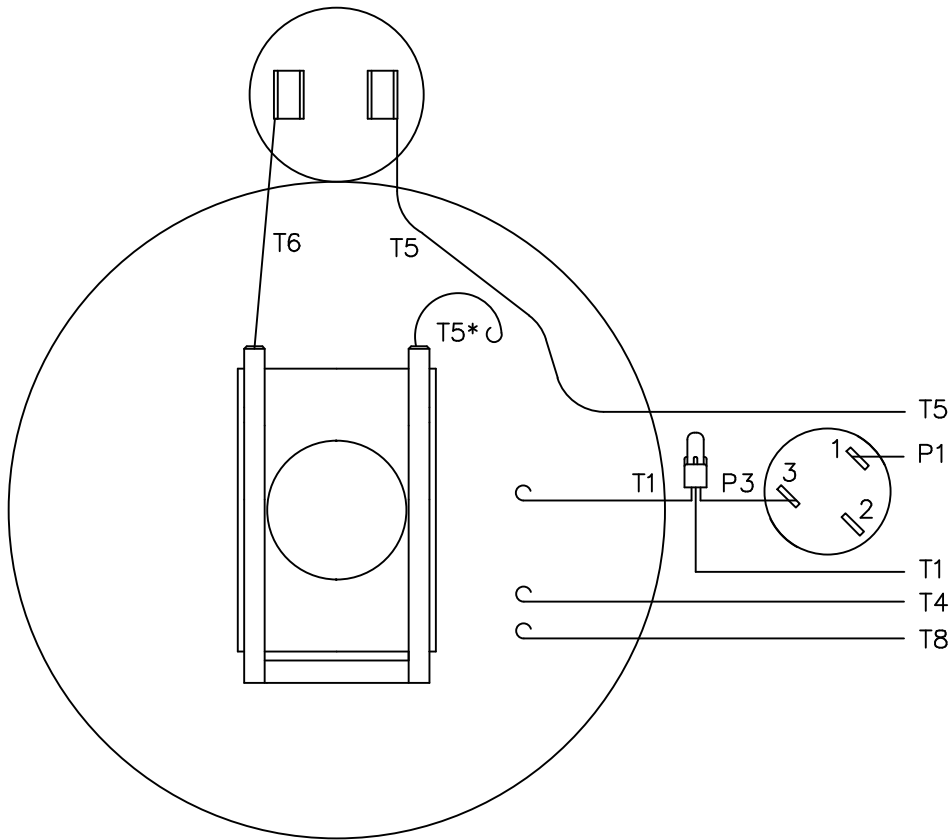
REVISION		BY & DATE	CHK	ANG	FINISH	SIZE	DRAWING NO	REV
- UPDATED & REDRAWN IN SOLIDWORKS		LST 11/12/2009	XX	XXXX	MATL FARM DUTY	B	035483	-
NO		REVISION	CHK	ANG	FINISH	SIZE	DRAWING NO	REV
			RFP		PREV			
					NETWORK FILE NAME			



TOLERANCES UNLESS SPECIFIED:
 DEC INCHES
 X ±.1
 .XX ±.03
 .XXX ±.005
 .XXXX ±.0005
 TITLE OUTLINE - 180TC FRAME
 TEFC - RIGID "C"
 MATL FARM DUTY

DRAWN	LST 2/27/04
CHK	RW 2/27/04
APPR	KH 2/27/04
SCALE	1:2
REF	
FMF	
PAGE	OF

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
C.C.W.	P1	T4, T5	T1, T8
C.W.	P1	T4, T8	T1, T5

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
10	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02		.X	±.1
09	ADDED ALTERNATE T5 LEAD MARKING	RLW 6/5/02	KH	.XX	±.01
08	ADDED MISSING "T4" LEAD FROM EB VIEW	DBT 09/22/97	PG	.XXX	±.005
07	REDRAWN ON CAD	DBT 06/24/97		.XXXX	±.0005
				ANG	±1/2°



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN	JRW 10/21/75
CHK	TEM
APPD	10/23/75
SCALE	1=1
REF	005105
FMF	W-C63236-2
PREV	

TITLE	EXTERNAL WIRING DIAGRAM TYPE "C" W/ PROTECTOR
MAT'L.	DECAL - 004015
FINISH	

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RFP	CAD FILE	00511001	SIZE	DRAWING NO.	REV.
DIST	NLV		A	005110-01	10



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005110.01
OUTLINE: 035483-1100
WINDING #: C8429 FR 2 B

CATALOG #: 131994.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1740	184TC	TEFC	K	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	19.0	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	75.5	3/4 LOAD EFF:	71.6	1/2 LOAD EFF:	64.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	68	3/4 LOAD PF:	60.5	1/2 LOAD PF:	50.3	72	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	136	37.45 LB-FT 416 %	27.85 LB-FT 309 %	91

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.51 LB-FT^2	0.5 LB-FT^2	10 SEC.	0	107 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	RED (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6205	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

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LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

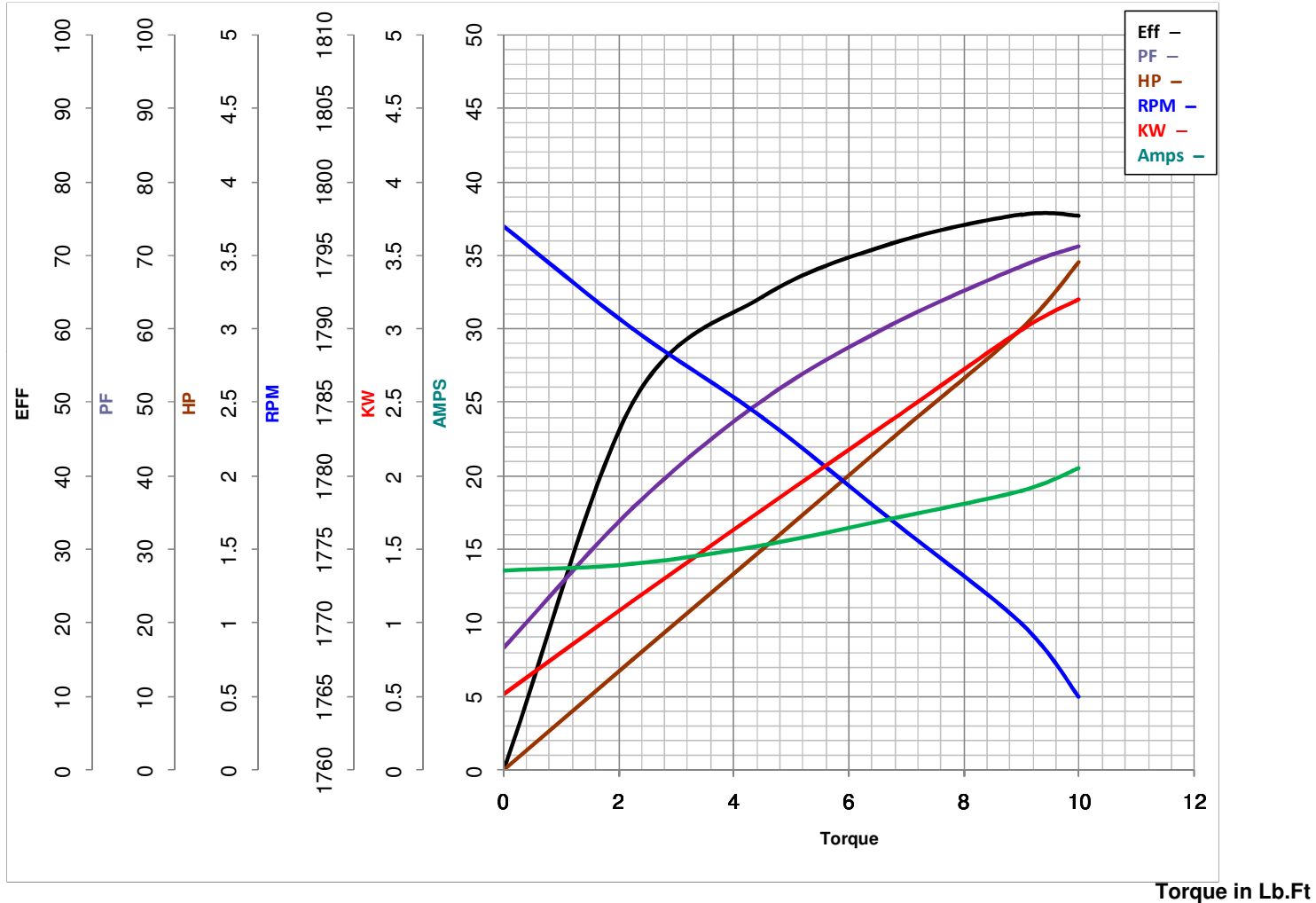
Curve at 230 Volts HP 3.00 PHASE 1
60 HZ
3 HP VOLTS 230

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HZ 60

RPM 1740



FL TORQUE	<u>9</u>	Lb.Ft	FL AMPS	<u>19</u>	
BD TORQUE	<u>27.9</u>	Lb.Ft	PU TORQUE	<u>23.5</u>	Lb.Ft
LR TORQUE	<u>37.45</u>	Lb.Ft	LR AMPS	<u>136</u>	
WINDING	C8429-2		Date	<u>3/27/2018</u>	