

PRODUCT INFORMATION PACKET



Model No: 131543.00
Catalog No: 131543.00
5 HP Agricultural Motor, 1 phase, 1800 RPM, 230 V, 184T Frame, TEFC
Agricultural Motors



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The Regal logo is a grey, stylized, blocky letter "R" with the word "REGAL" in white, sans-serif capital letters inside it.

REGAL



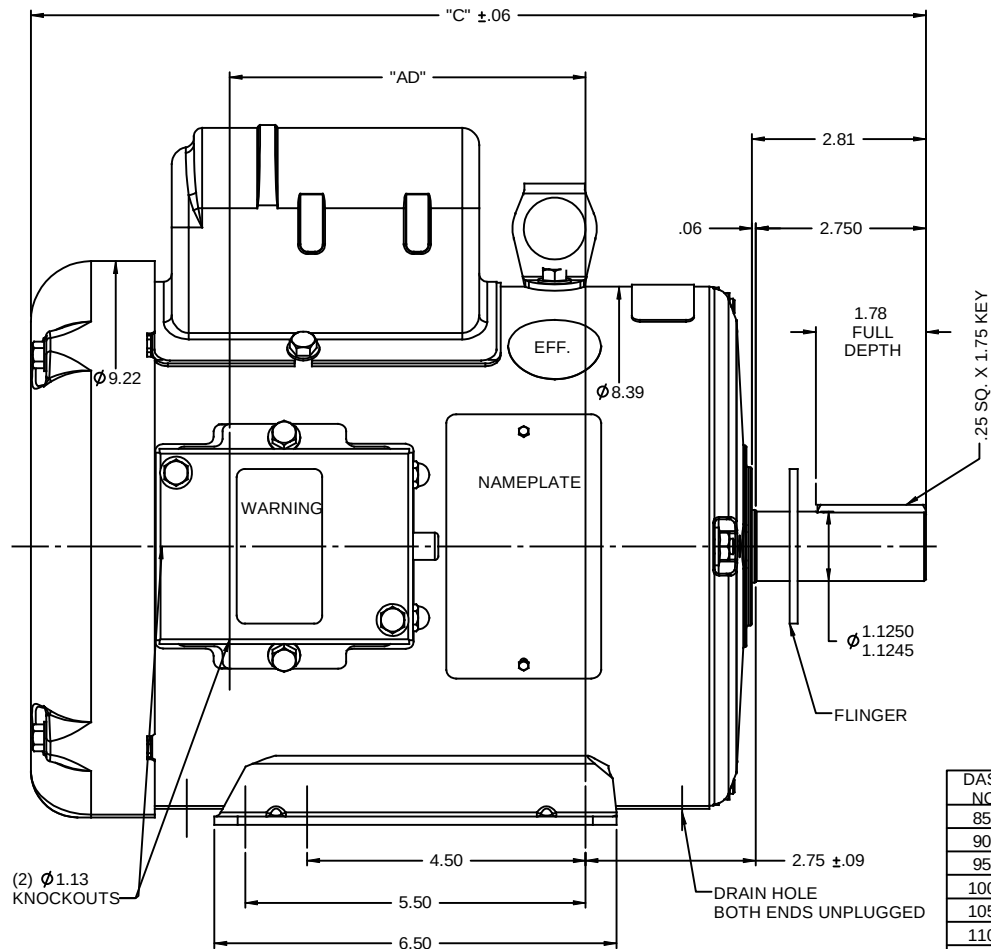
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230 V
Current	20.5 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	82.5 %	Power Factor	93
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	43

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.47 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	17.46 in
Frame Length	12.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005056.03	Outline Drawing	035748-1200

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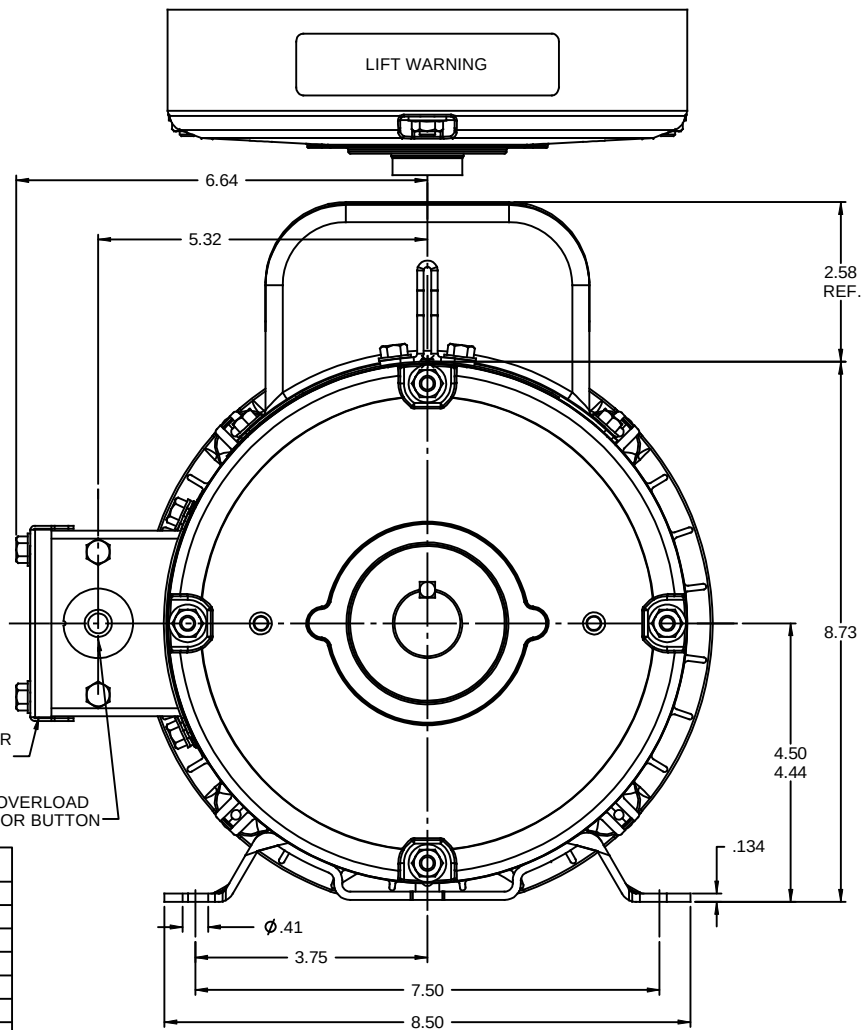
MOTOR SPECIAL FEATURES:

GASKETS THROUGHOUT
DRAIN HOLE IN FRAME BOTH ENDS UNPLUGGED
BRASS NAMEPLATE
MANUAL RESET OVERLOAD PROTECTOR
DOUBLE SEALED BALL BEARINGS
FLINGER

DASH NO.	"C"	"AD"
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
1200	17.46	8.75

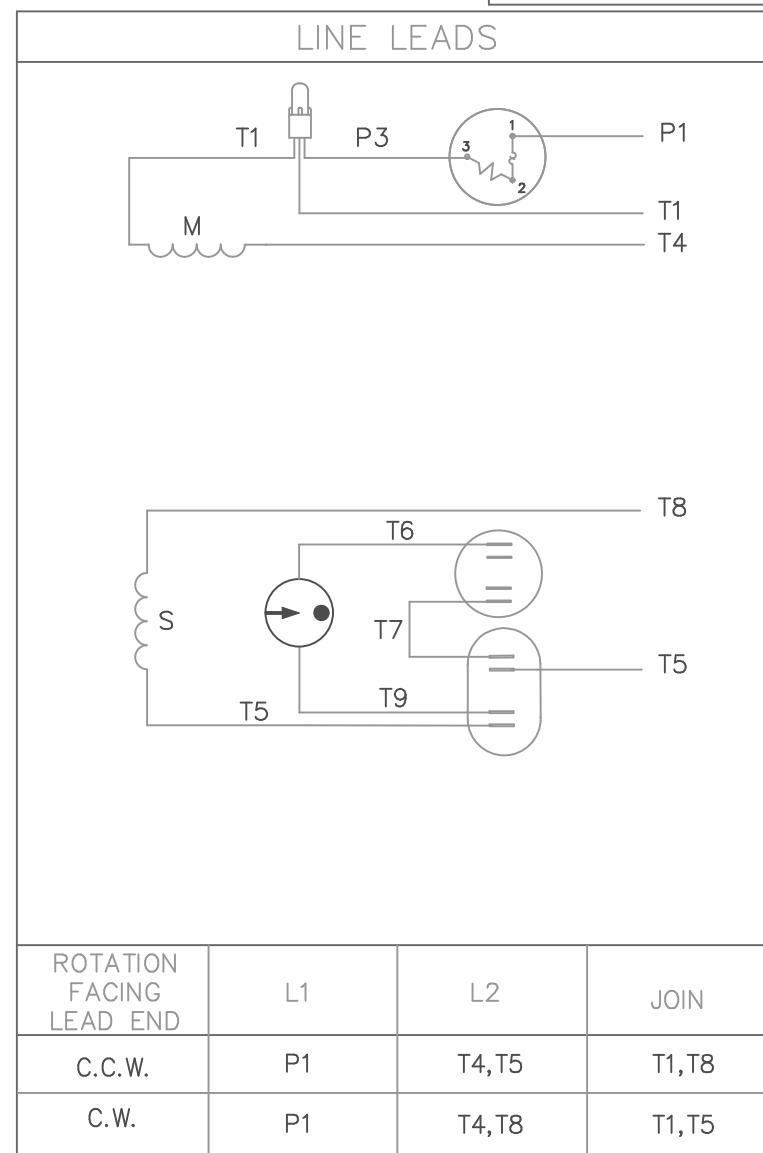
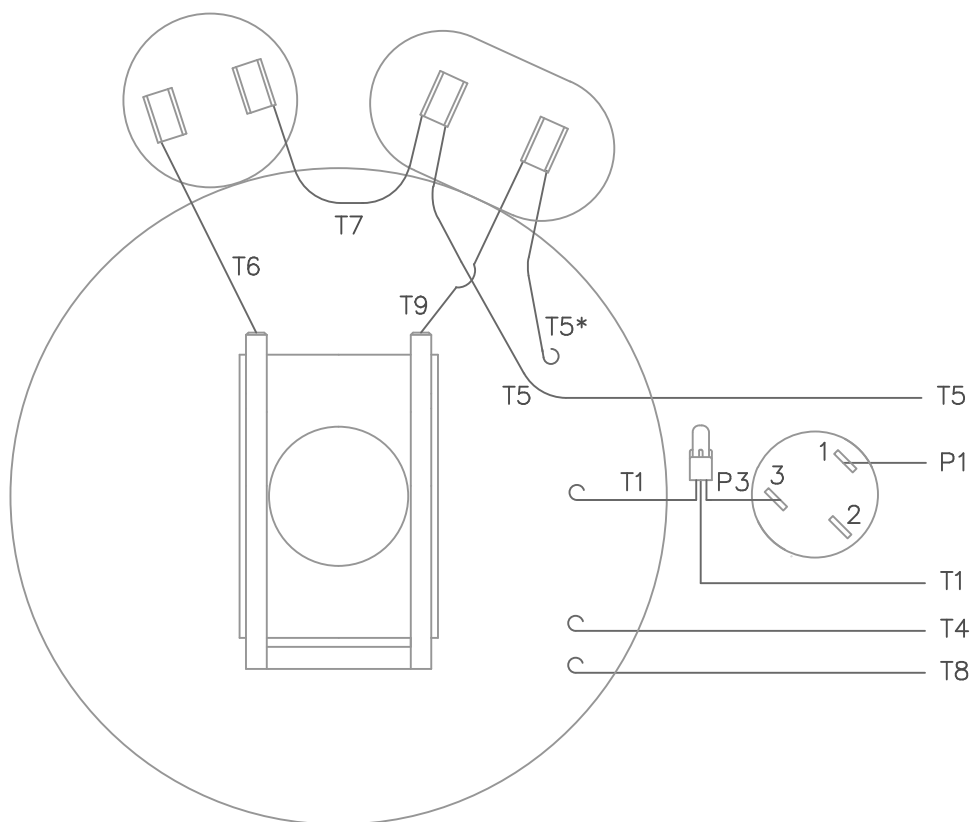
DECAL-
CONNECTION
UNDER COVER
WHEN REQ'D.

MANUAL OVERLOAD
PROTECTOR BUTTON



				TOLERANCES UNLESS SPECIFIED	 REGAL-BELOIT CORPORATION	DRAWN LST 1/6/10	
				DEC INCHES		CHK	
				X ±.1		APPR	
				XX ±.03		SCALE 1:2	
				XXX ±.005		REF	
				XXXX ±.0005	MAT'L FARM DUTY	FMF	
NO	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH	PAGE OF		
		THIRD ANGLE PROJECTION	RFP	PREV	SIZE B	DRAWING NO	REV
				NETWORK FILE NAME	035748		

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN		WLW 08/30/76
				DEC.	INCHES				CHK	WRK 09/24/76	
				.X	±.1				APPD		
08	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02		.XX	±.01				TITLE	EXTERNAL WIRING DIAGRAM TYPE "K" W/ PROTECTOR	SCALE
07	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	.XXX	±.005			REF			
06	REDRAWN TO CAD	DBT 5/31/02		.XXXX	±.0005	MAT'L.	DECAL - 004015	FMF	6K17FB4		
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		CAD FILE		00505603	SIZE	DRAWING NO.	REV	
			DIST BRF-NLV				A	005056-03	08		



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005056.03

CATALOG #: 131543.00

OUTLINE: 035748-1200

MOUNTING: F1 ONLY

WINDING #: K8483 FR 2 B

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1740	184T	TEFC	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	20.5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	82.4	1/2 LOAD EFF:	77.9	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	93	3/4 LOAD PF:	94.4	1/2 LOAD PF:	92.1	80		CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	150	43.5 LB-FT 290 %	35.5 LB-FT 237 %	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.61 LB-FT^2	0 LB-FT^2	0 SEC.	0	98 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	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
6206	6205						

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

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

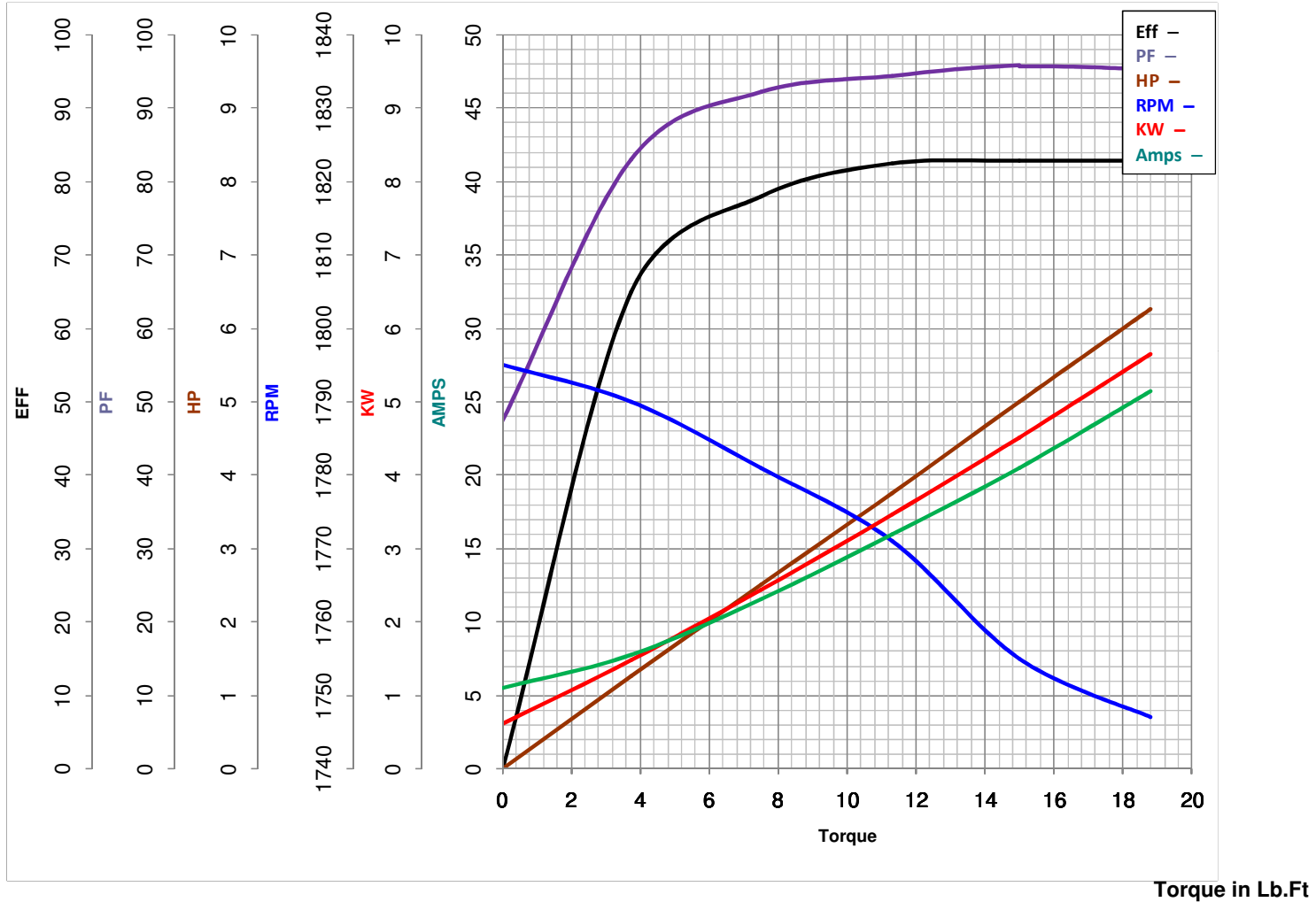
ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131543.00Curve at 230
60
5Volts
HZ
HPHP 5.00PHASE 1VOLTS 230HZ 60RPM 1740Catalog No 131543.00

FL TORQUE 15 Lb.Ft
 BD TORQUE 35.5 Lb.Ft
 LR TORQUE 43.5 Lb.Ft

FL AMPS 20.5
 PU TORQUE 26.5 Lb.Ft
 LR AMPS 150

WINDING K8483-2

Date 7/16/2018