

PRODUCT INFORMATION PACKET



Model No: 131849.00
Catalog No: 131849.00
5 HP Crop Dryer Motor, 3 phase, 3600 RPM, 208-230/460 V, 184TZ Frame, ODP
Crop Dryer Motors



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The Regal logo is a dark gray, rectangular block with the word "REGAL" in white, bold, sans-serif capital letters. The block is slightly tilted to the right.

REGAL



Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	12.9-12.5/6.2 A	Speed	3450 rpm
Service Factor	1	Phase	3
Efficiency	87.5 %	Power Factor	86.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	184TZ	Enclosure	Drip Proof Air Over
Thermal Protection	Thermostats (N/C)	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	12

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	13.94 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	3.59 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	035720-900	Connection Drawing	005010.20

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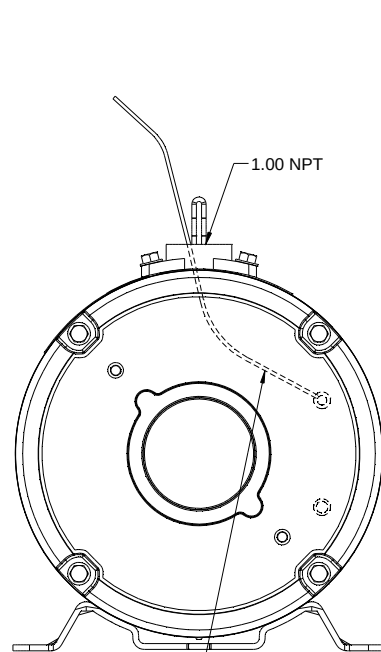
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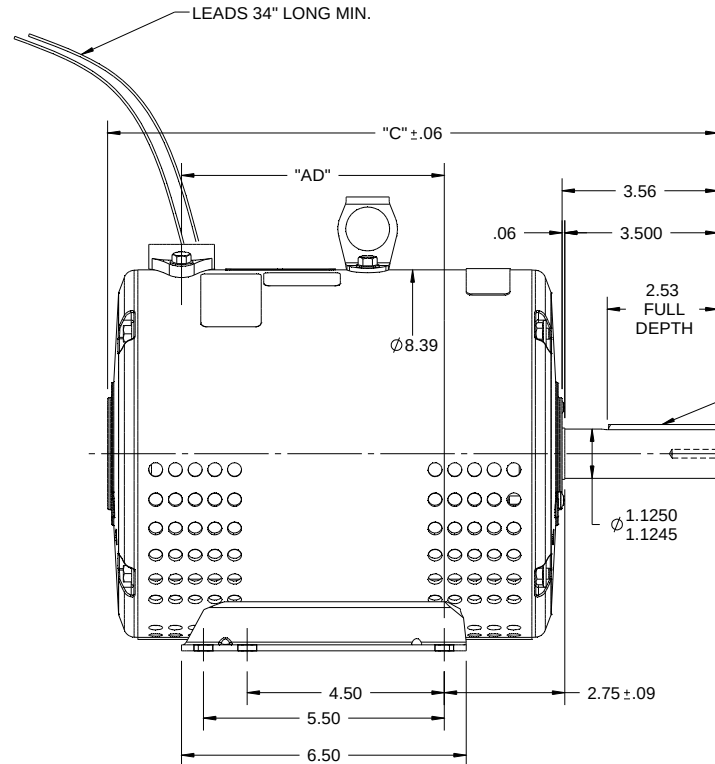
2

1

DASH NO.	"C"	"AD"
750	12.44	4.50
800	12.94	5.00
850	13.44	5.50
900	13.94	6.00
950	14.44	6.50
1000	14.94	7.00
1050	15.44	7.50
1100	15.94	8.00
1150	16.44	8.50



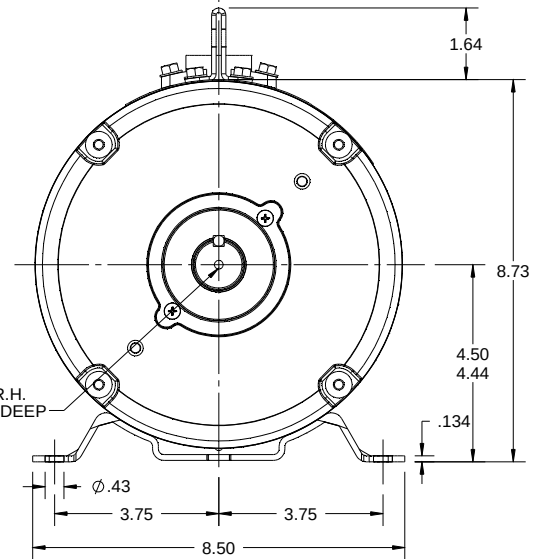
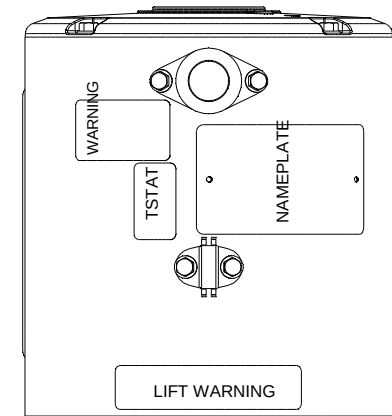
GROUND LEAD 34" LONG MIN.
ATTACHED TO THE PROTECTOR
BOSS WITH #10-32 GROUND SCREW



2.53
FULL
DEPTH

.25 SQ. x 2.50 KEY

1/4-20 UNC-2B R.H.
THREAD X 1.00 DEEP



ORACLE
REV

003

4

3

2

1

DRAWING REVISION F	REVISION BY M.MCCAULEY	DATE 04-27-2015
ECO-0076543	APPROVED BY G.SCHALLOCK	DATE 04-27-2015
ECO DESCRIPTION 1.00 NPT WAS 3/4-14 NPT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.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 INCH mm			
mm SHOWN IN [BRACKETS]			

DRAWN BY LST	DATE 2/19/09
APPROVED BY	DATE
REFERENCE	THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION

OUTLINE
DRIP PROOF RIGID

MATERIAL

PROCESS/FINISH

SIZE
B

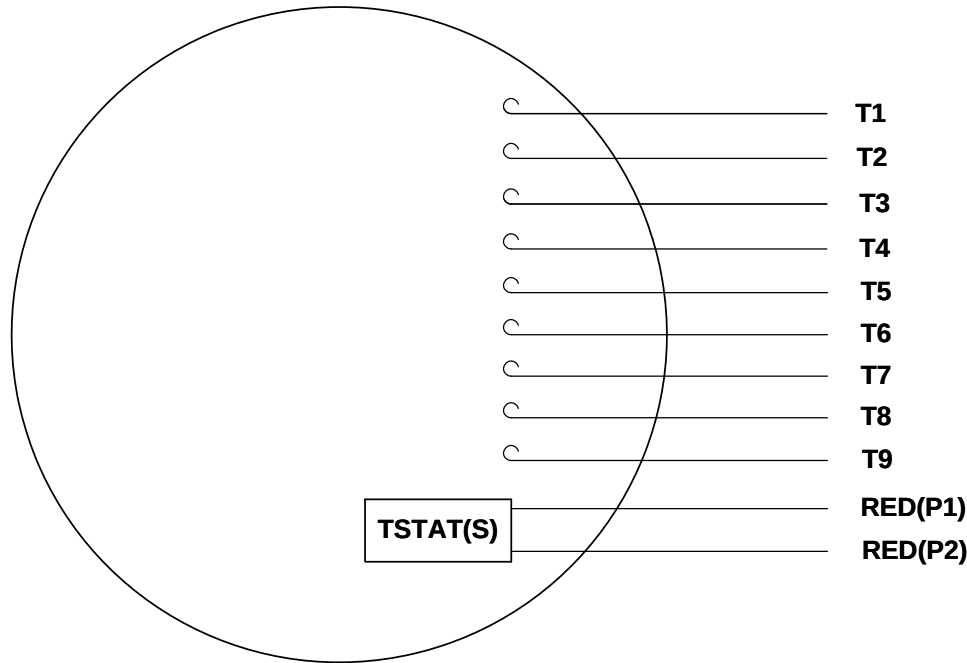
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035720

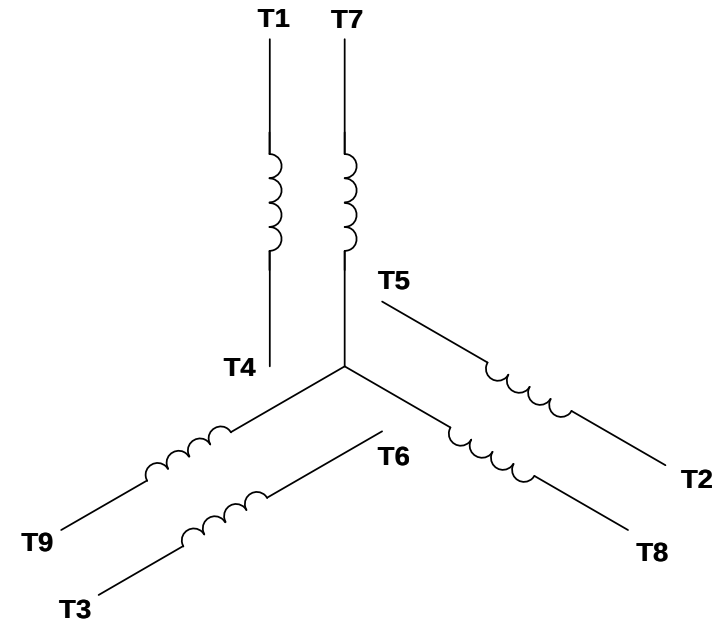
SHEET
1 OF 1

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

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

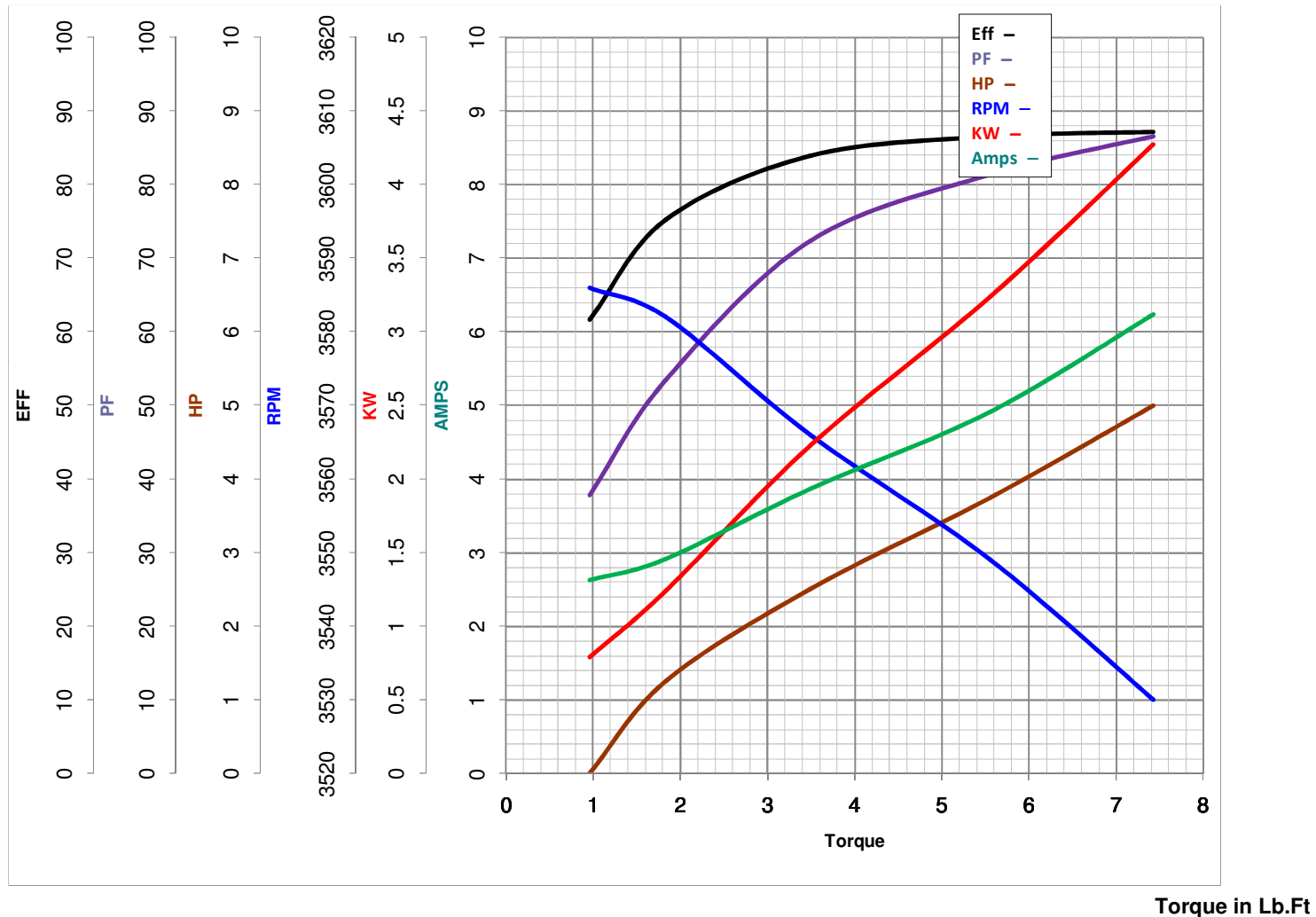


LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131849.00

Curve at

460
60
5Volts
HZ
HPHP 5&7.5PHASE 3VOLTS 208-230/460&208-230/460Catalog No 131849.00HZ 60&60RPM 3450&3450

FL TORQUE 7.43 Lb.Ft
 BD TORQUE 32.9 Lb.Ft
 LR TORQUE 22.7 Lb.Ft

FL AMPS 12.9-12.5/6.2
 PU TORQUE 21.0 Lb.Ft
 LR AMPS 62.2

WINDING T8266-3

Date 5/28/2018