

# PRODUCT INFORMATION PACKET



Model No: 101585.00  
Catalog No: 101585.00  
Fan and Blower Motor, 0.50 HP, 1 Ph, 60 Hz, 115 V, 1800 RPM, 48 Frame, DP



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### Nameplate Specifications

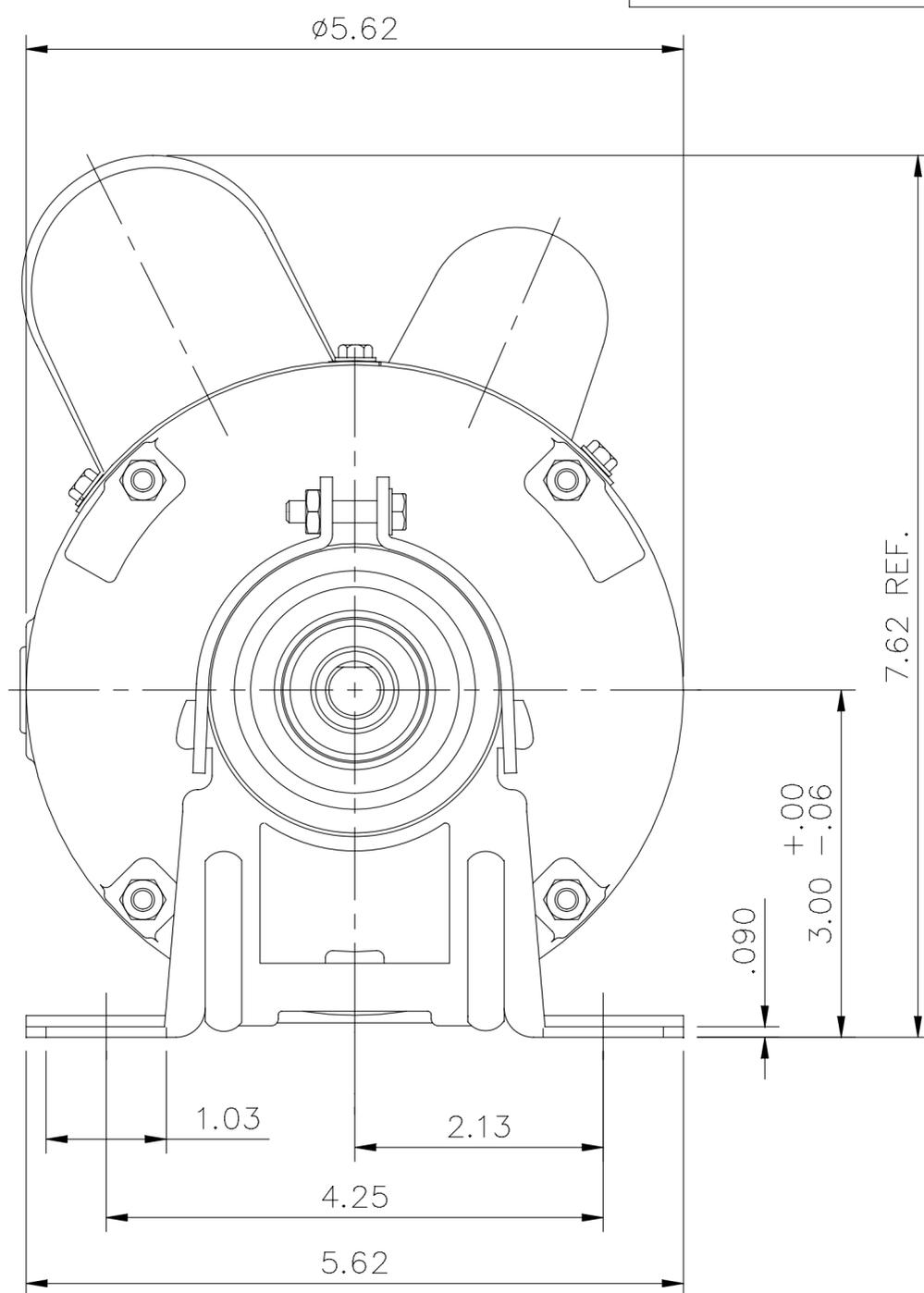
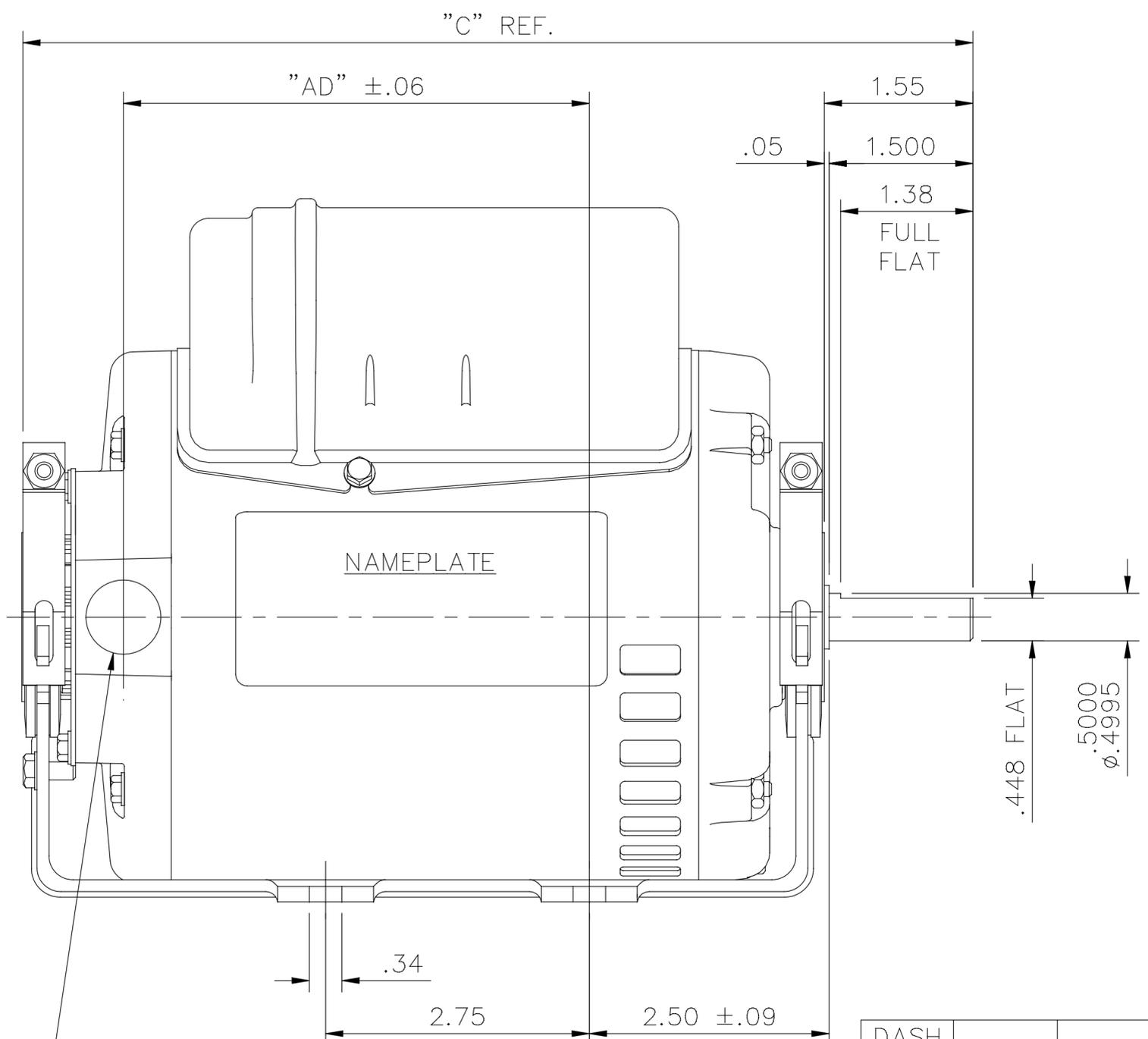
Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115 V</b>
Current	<b>4.6 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.35</b>	Phase	<b>1</b>
Efficiency	<b>76 %</b>	Power Factor	<b>96</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>N</b>	KVA Code	<b>F</b>
Frame	<b>48</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>Automatic</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>22</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Capacitor Start Capacitor Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>1.265 Ohms</b>	Mounting	<b>Resilient 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>NEMA 48</b>	Overall Length	<b>11.39 in</b>
Frame Length	<b>7.00 in</b>	Shaft Diameter	<b>0.500 in</b>
Shaft Extension	<b>1.5 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>005056.58</b>	Outline Drawing	<b>031761-700</b>

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031761



DASH NO.	"C"	"AD"
550	9.89	4.84
600	10.39	5.34
650	10.89	5.84
700	11.39	6.34

1/2-14 NPT  
CONDUIT HOLE  
(PLUGGED)

TOLERANCES  
UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

**REGAL**™ Regal Beloit America, Inc.

DRAWN	PG 3/2/04
CHK	
APPD	
SCALE	1=2
REF	030826
FMF	101585.00
PREV	

TITLE  
OUTLINE - 48 FRAME  
RESILIENT MOUNT - DRIP PROOF

MAT'L.  
1 PHASE

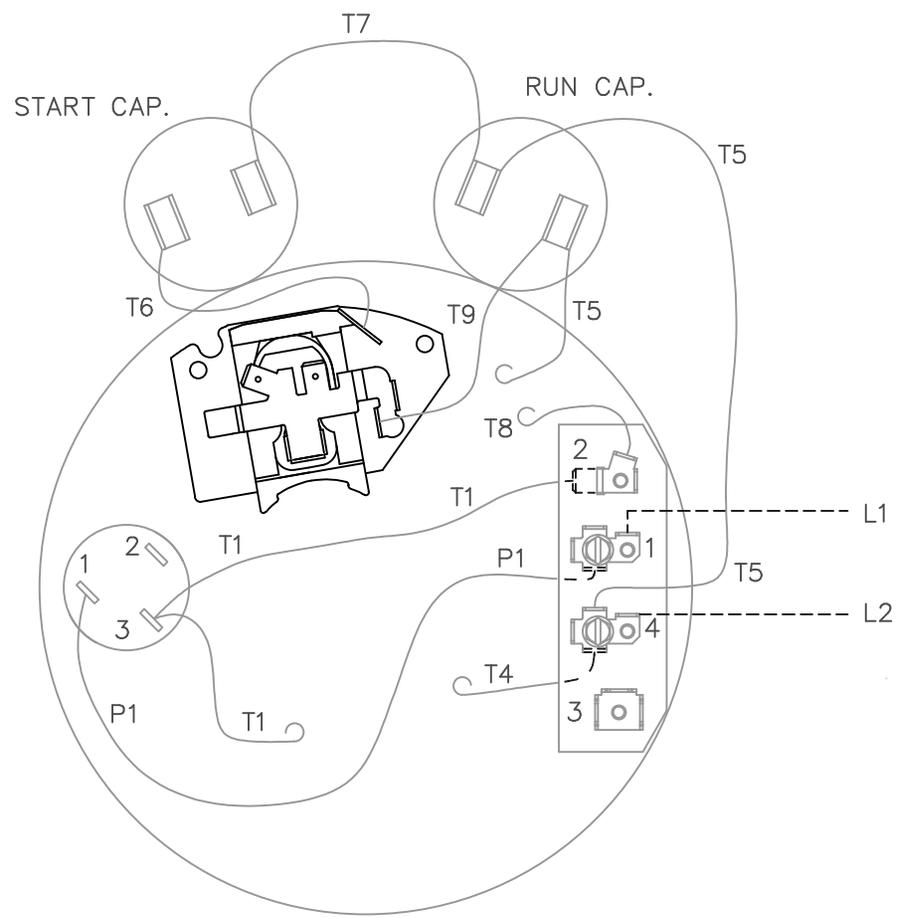
FINISH  
STANDARD

NO.	REVISION	BY & DATE	CHK
A	UPDATED CAP LOCATION PER ECO-0077700	PST 09/18/15	

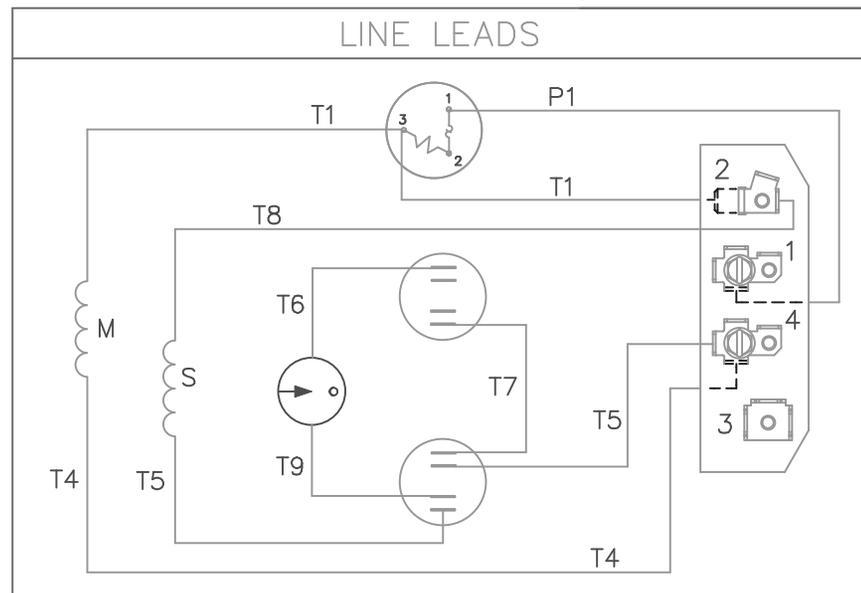
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RFP	CAD FILE	031761	SIZE	DRAWING NO.	REV.
DIST			A	031761	A

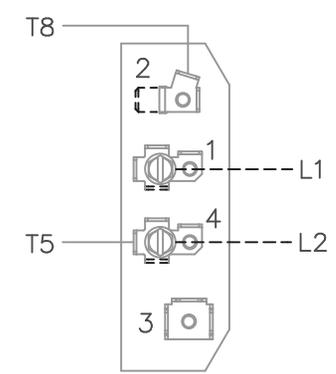
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



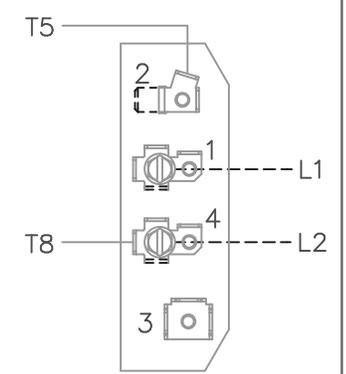
P1, T1, T4 TO GO TO  
BACK SIDE OF TERMINAL BOARD



C.C.W.L.E. ROTATION



C.W.L.E. ROTATION



		TOLERANCES UNLESS SPECIFIED	
		DEC.	INCHES
		.X	±.1
		.XX	±.01
		.XXX	±.005
		.XXXX	±.0005
NO.	REVISION	BY & DATE	CHK



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

TITLE	EXTERNAL WIRING DIAGRAM TYPE "K" W/PROTECTOR
MAT'L.	SINGLE VOLTAGE - DUAL ROTATION
FINISH	

DRAWN	PG 3/2/04
CHK	
APPD	
SCALE	1=1
REF	005056-02
FMF	101585.00
PREV	

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RFP	CAD FILE	00505658	SIZE	DRAWING NO.	REV.
DIST			A	005056-58	



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

**CERTIFICATION DATA SHEET**

**CATALOG #:** 101585.00

**CONN. DIAGRAM:** 005056.58

**OUTLINE:** 031761-700

**MOUNTING:** F1 ONLY

**WINDING #:** BE48471 1 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	48	DP	F	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115	4.6	ACROSS THE LINE	CONTINUOUS	B3	1.35	40

FULL LOAD EFF:	76	3/4 LOAD EFF:	74.7	1/2 LOAD EFF:	67.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	96	3/4 LOAD PF:	90.3	1/2 LOAD PF:	86.3	72	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24.04 OZ-FT	27.1	58.6 OZ-FT 244 %	59.7 OZ-FT 249 %	31

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	-1 LB-FT^2	0 LB-FT^2	0 SEC.	0	23 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN - LEESON WATTSaver

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 48	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

\*  
N  
O  
T  
E  
S  
\*

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

