

# PRODUCT INFORMATION PACKET



Model No: 103796.00

Catalog No: 103796.00

Refrigeration Motor, 0.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 48Z Frame, DP



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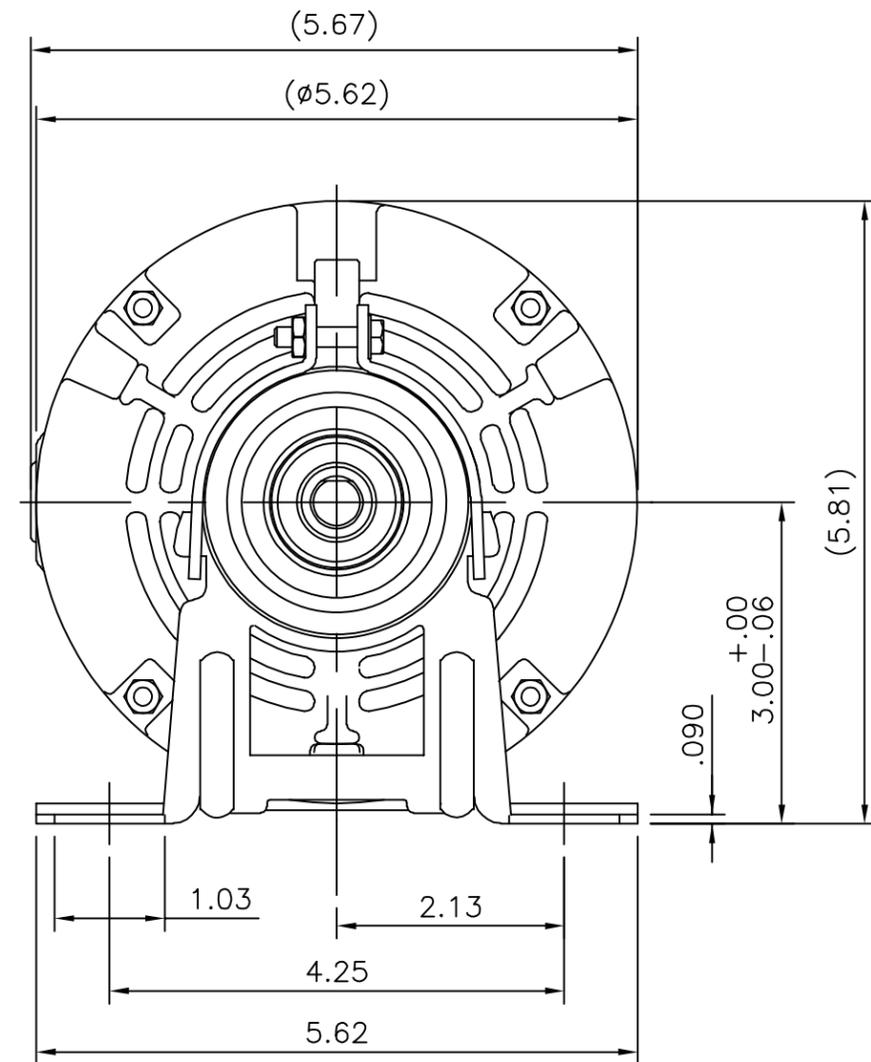
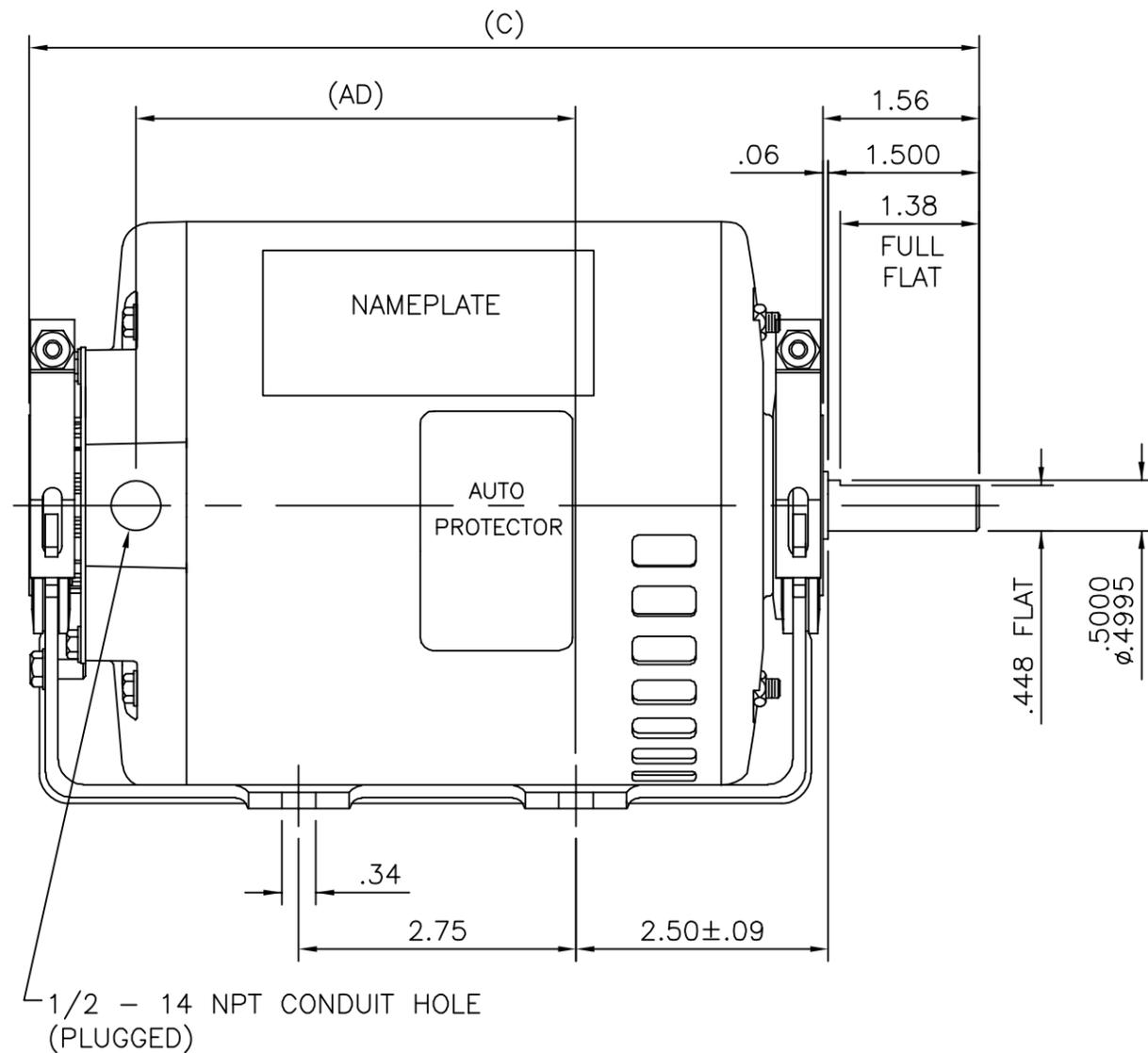
### Nameplate Specifications

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/230 V</b>
Current	<b>7.0/3.5 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>1</b>
Efficiency	<b>68 %</b>	Power Factor	<b>67.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>N</b>	KVA Code	<b>M</b>
Frame	<b>48Z</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>Split Phase</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>0 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>Single Special Extension</b>	Overall Length	<b>10.43 in</b>
Frame Length	<b>6.00 in</b>	Shaft Diameter	<b>0.500 in</b>
Shaft Extension	<b>2.24 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>005212-15</b>	Outline Drawing	<b>SS404083-600</b>

SS404083

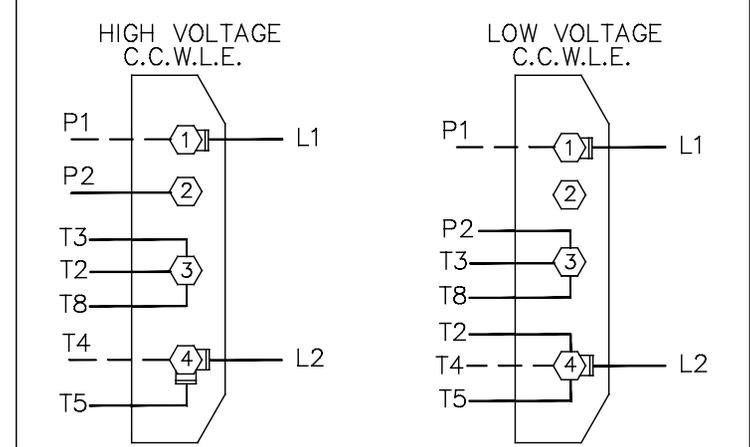
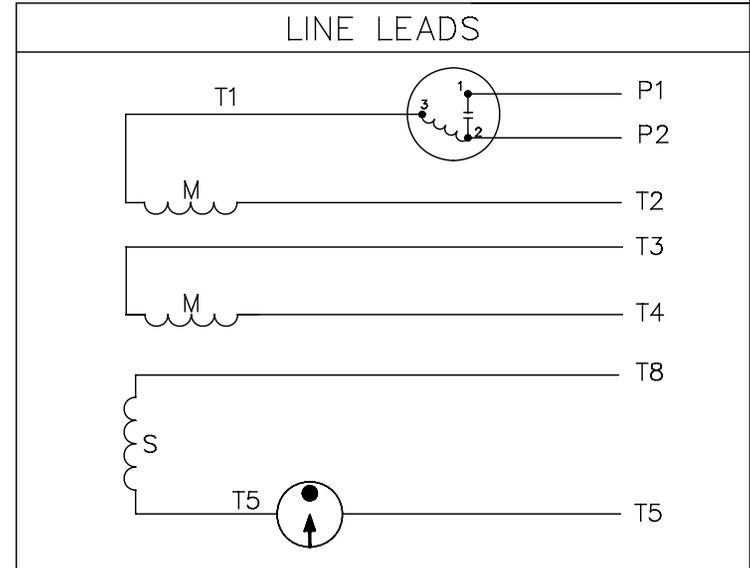
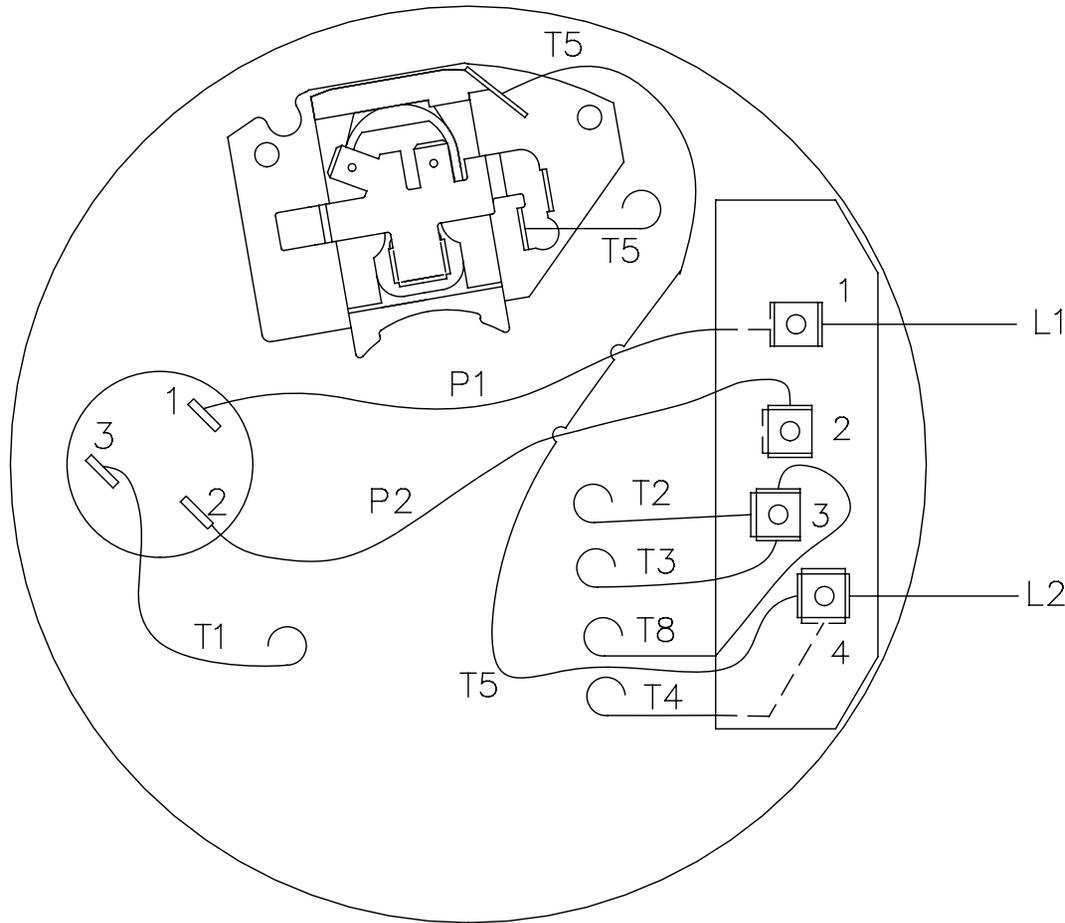


DASH	C	AD
500	9.43	4.36
550	9.93	4.86
575	10.18	5.11
600	10.43	5.36

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN
				DEC.	INCHES		PST
				.X	±.1		06/11/2014
				.XX	±.03	TITLE OUTLINE - 48 FRAME RESILIENT MOUNT - DRIP PROOF	CHK
				.XXX	±.005		VS
				.XXXX	±.0005	MAT'L. 1 PHASE	APPD
				ANG	±1/2'		SCALE
				RFP		FINISH CAD FILE SS404083	1:1
				DIST			REF
						SIZE	SS404043
						A	SS404083
						DRAWING NO.	REV.

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.  
HIGH VOLTAGE C.C.W.L.E. SHOWN



FOR C.W.L.E. ROTATION INTERCHANGE T5 AND T8.

P1 AND T4 TO GO TO  
BACK SIDE OF TERMINAL BOARD

ORACLE REV	001
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		TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN KR 10/23/2013			
		DEC.	INCHES			CHK SKM 10/23/2013			
		.X	±.1	TITLE EXTERNAL WIRING DIAGRAM		APPD			
		.XX	±.01			SCALE			
		.XXX	±.005			REF 005212-10			
C	MOVED P2 CONNECT TO TOP OF TERM BD. ECR 0091126	GWS 9/14/15	.XXXX	±.0005	MAT'L. TYPE "S" W/ PROTECTOR	FMF			
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 005212-15		SIZE A	DRAWING NO. 005212-15	PAGE OF	REV. C
			DIST						



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005212-15

**CATALOG #:** 103796.00

**OUTLINE:** A-SS404083-600

**MOUNTING:** F1 ONLY

**WINDING #:** SE48452 3

**TYPICAL MOTOR PERFORMANCE DATA**

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

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	7/3.5	ACROSS THE LINE	CONTINUOUS	F3	1.25	40

FULL LOAD EFF:	68	3/4 LOAD EFF:	66	1/2 LOAD EFF:	61	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	67.5	3/4 LOAD PF:	60	1/2 LOAD PF:	48.5	64		SPLIT PHASE	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24.4 OZ-FT	44.8 / 22.4	29.9 OZ-FT 125 %	45.7 OZ-FT 190 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	- LB-FT^2	0 LB-FT^2	0 SEC.	0	17 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	GRAY - LIGHT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	MULTEMP SRL	SGL SPL EXT	0.500 x 1.50 IN SEF WITH 1.38 IN FULL FLAT	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

