

PRODUCT INFORMATION PACKET



Model No: 110142.00
Catalog No: 110142.00
General Purpose Motor, 1 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56 Frame, TEFC

Operational at 115/208-230 V @60HZ



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Nameplate Specifications

Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.15
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	70 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	12.0/6.0 A	Power Factor	76
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
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	2	Rotation	Selective Counterclockwise
Resistance Main	1.92 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.98 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028793-650B	Connection Drawing	005003.03

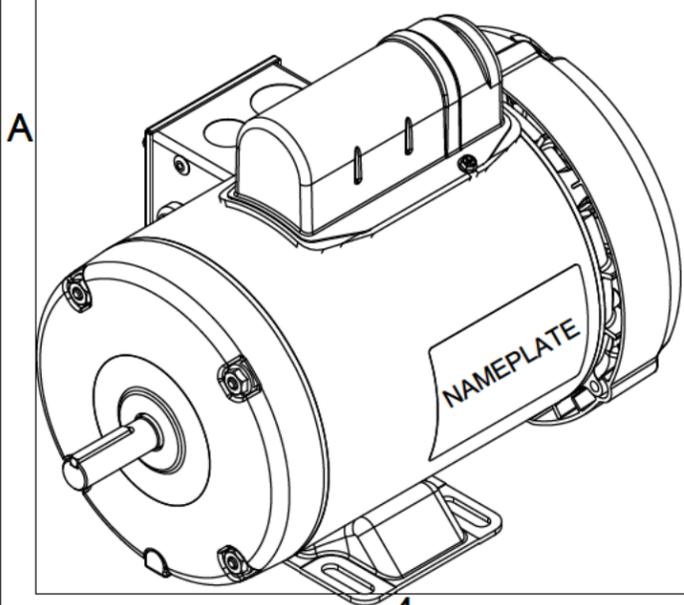
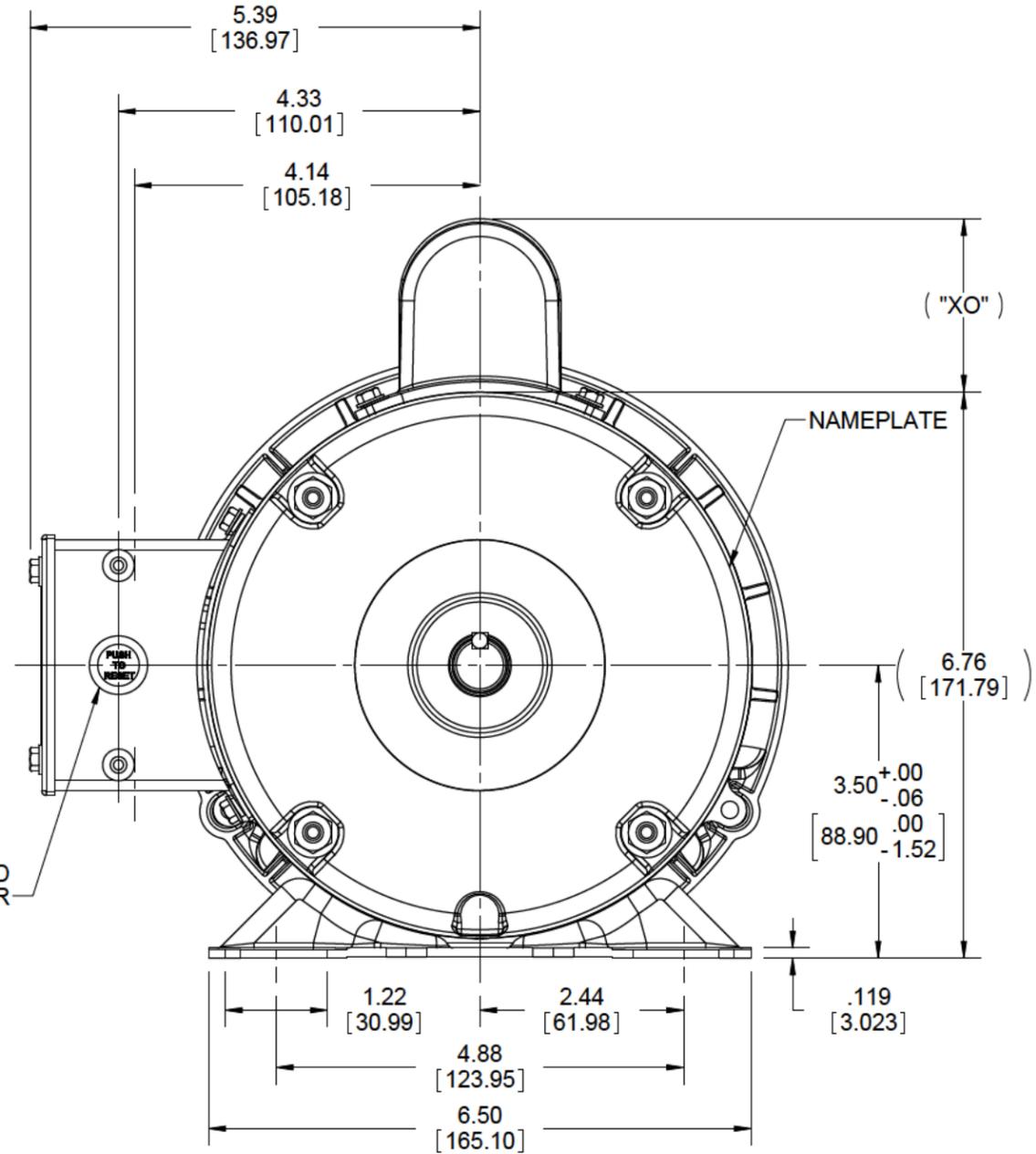
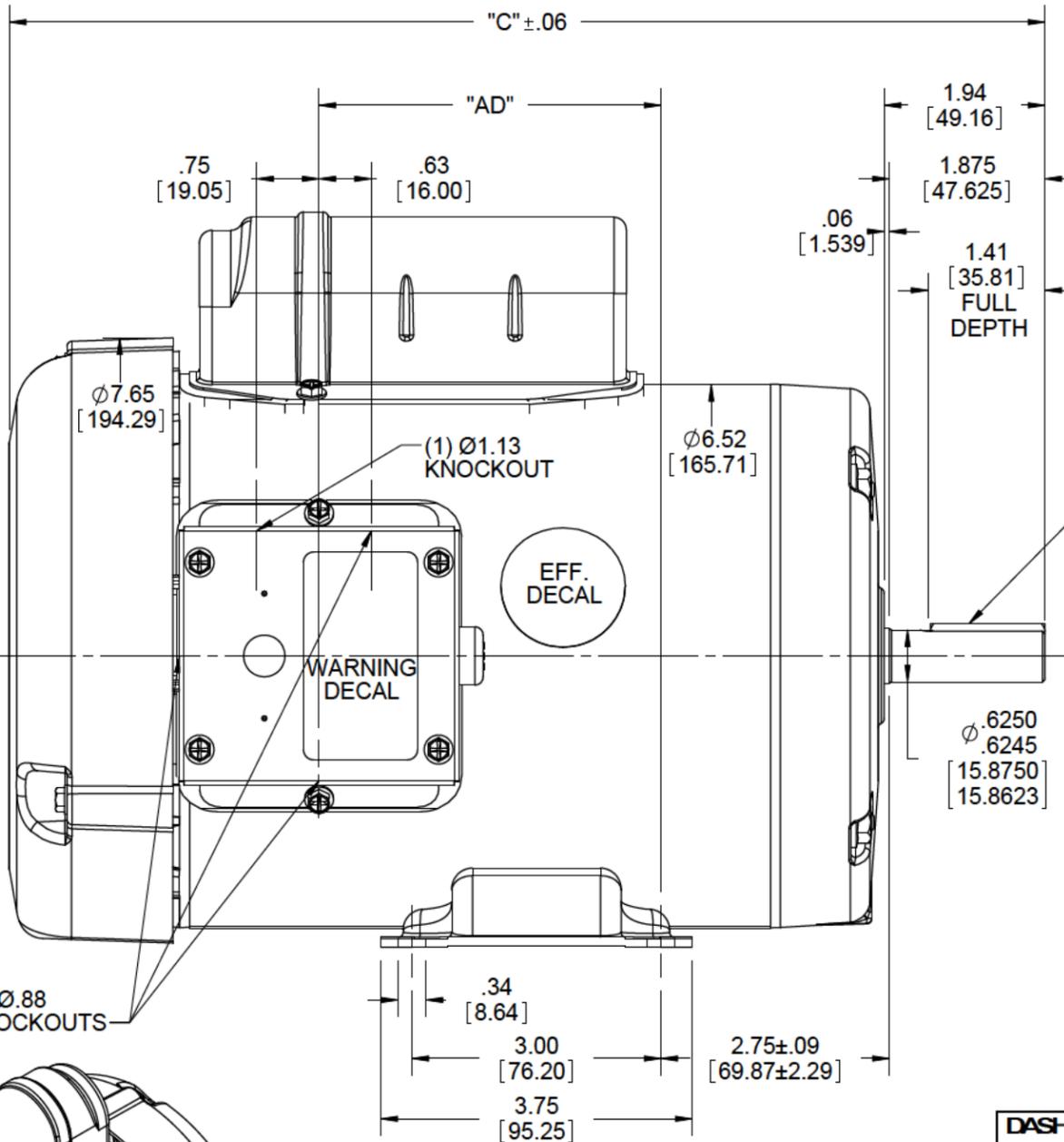
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Uncontrolled Copy

2

1



DASH NO.	"C"	"AD"		
500	10.48	2.13	CAP	"XO"
550	10.98	2.63	DASH	
600	11.48	3.13	A	1.61
650	11.98	3.63	B	2.08
700	12.48	4.13	C	2.32

NOTES:
1) GASKETS THROUGHOUT

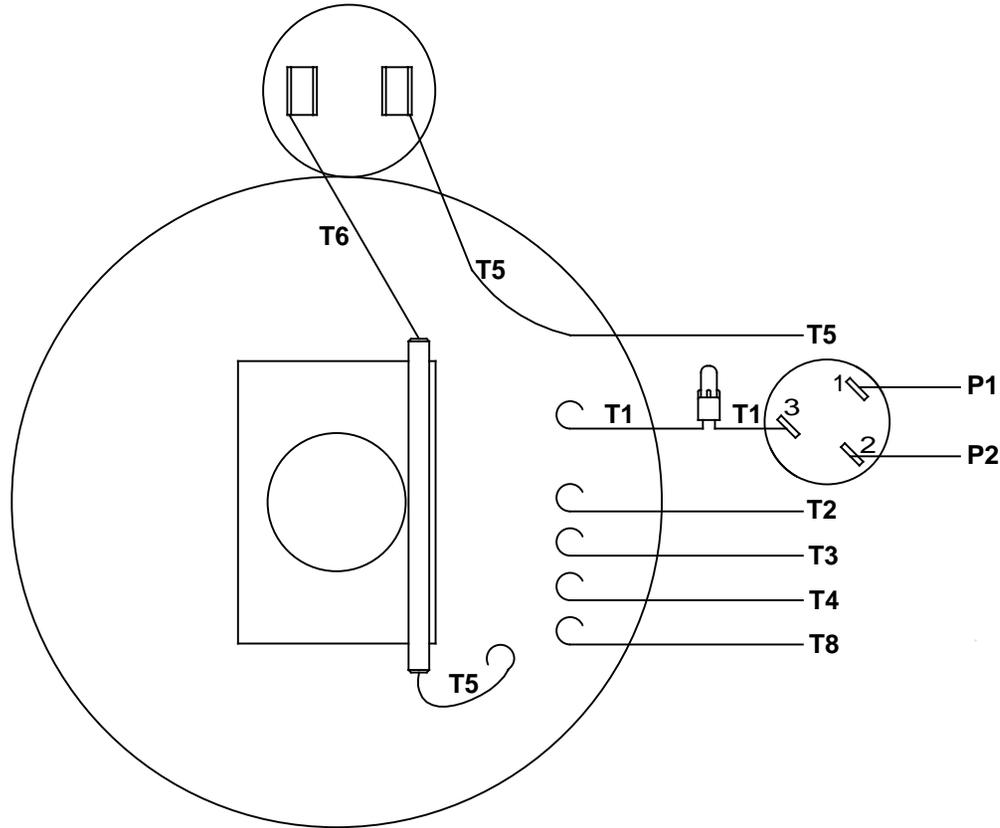
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DRAWING REVISION D	REVISION BY M. MCCALED	DATE 8/4/14
ECO ECO-0056788	APPROVED BY G. SCHALLOCK	DATE 8/4/14
ECO DESCRIPTION ADDED T-BOLT NUTS <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>		

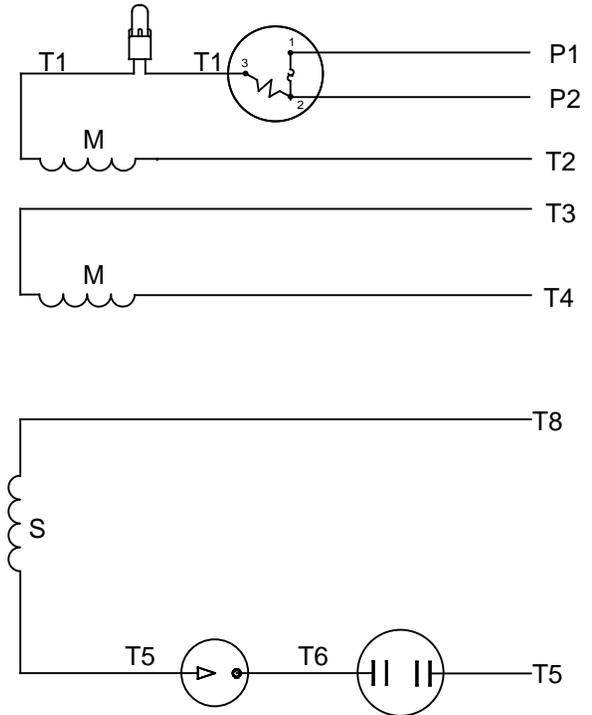
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC	INCH	mm	ANGLE
X	±0.1	[±2.5]	±0.5°
XX	±0.03	[±0.76]	
XXX	±0.005	[±0.127]	
XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 125 INCH 3.2 mm SHOWN IN [BRACKETS]			

DRAWN BY KMM 09/11/07	REGAL™ Regal Beloit America, Inc.	
DATE	DESCRIPTION	
APPROVED BY	OUTLINE	
DATE	TEFC - RIGID - 56 FRAME	
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B	GENERAL PURPOSE
	DRAWING NUMBER	SHEET
	028793	1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



LINE LEADS



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	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	---
	C.W.	P1	T2,T4 T8	P2,T3 T5	---

		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN WLV 08/20/79	
NO	REVISION	BY & DATE	CHK ANG			CHK	APPR
			.X ±.1				ADN 08/27/76
			.XX ±.01				WRK 08/27/76
06	REDRAWN IN SOLIDWORKS	VJB 7/22/2011	.XXX ±.005	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR		SCALE 1:1	
05	REDRAWN ON CAD	DBT 05/27/97	.XXXX ±.0005	MAT'L DECAL - 004011		REF	
			±1/2°	FINISH		PAGE OF	
THIRD ANGLE PROJECTION			RFP	PREV	SIZE	DRAWING NO	
			NETWORK FILE NAME	00500303	A	005003-03	
						REV	
						06	



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005003.03

CATALOG #: 110142.00

OUTLINE: 028793-650B

MOUNTING: F1 ONLY

WINDING #: C632211 FR 3 G

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	3600	3450	56	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	12/6.2-6	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	70	3/4 LOAD EFF:	68.7	1/2 LOAD EFF:	63.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	76	3/4 LOAD PF:	69.4	1/2 LOAD PF:	58.3	66		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 OZ-FT	68 / 34	80 OZ-FT 333 %	64 OZ-FT 267 %	57

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.05 LB-FT^2	0 LB-FT^2	10 SEC.	0	31 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	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

*
N
O
T
E
S

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

