

PRODUCT INFORMATION PACKET



Model No: E100338.00
Catalog No: E100338.00
ecoSaver™ General Purpose Motor, 0.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 48 Frame, DP



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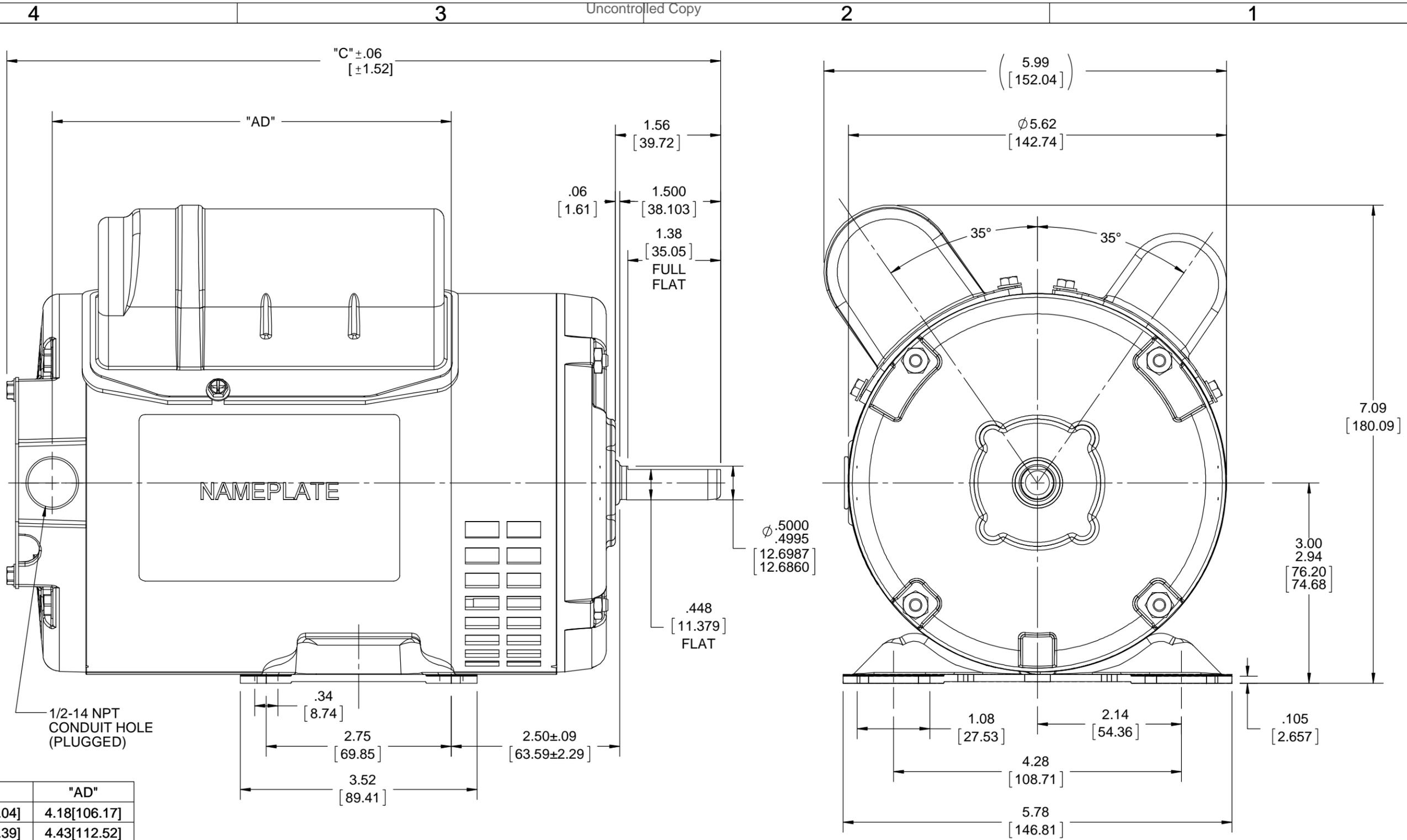


Nameplate Specifications

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.25
Frame	48	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	76.2 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	4.6/2.3 A	Power Factor	91.6
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	K
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
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	NEMA 48	Overall Length	11.12 in
Frame Length	7.50 in	Shaft Diameter	0.500 in
Shaft Extension	1.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS404123-750	Connection Drawing	005054-15-REGAL



DASH NO.	"C"	"AD"
525	8.86[225.04]	4.18[106.17]
550	9.11[231.39]	4.43[112.52]
575	9.36[237.74]	4.68[118.87]
600	9.61[244.09]	4.93[125.22]
625	9.86[250.44]	5.18[131.57]
650	10.11[256.79]	5.43[137.92]
675	10.36[263.14]	5.68[144.27]
700	10.61[269.49]	5.93[150.62]
725	10.86[275.84]	6.18[156.97]
750	11.11[282.19]	6.43[163.32]
775	11.36[288.54]	6.68[169.67]
800	11.61[294.89]	6.93[176.02]

DRAWING REVISION D	REVISION BY H. ADIKE	DATE 11/30/2018
ECO ECO-0158779	APPROVED BY JD	DATE 12/19/2018
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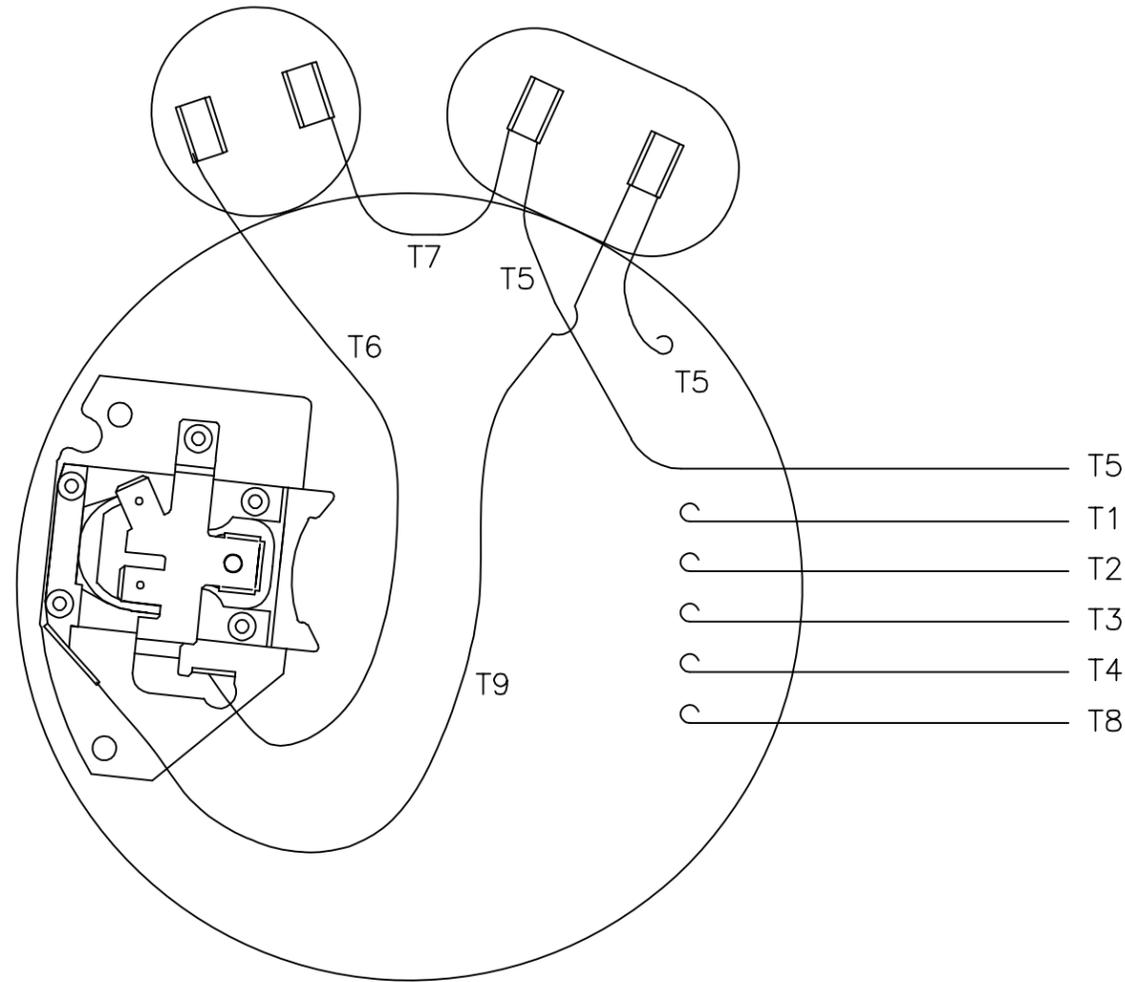
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]			

DRAWN BY JAH
DATE 12/04/2014
APPROVED BY SM
DATE 12/04/2014
REFERENCE SS404118
THIRD ANGLE PROJECTION

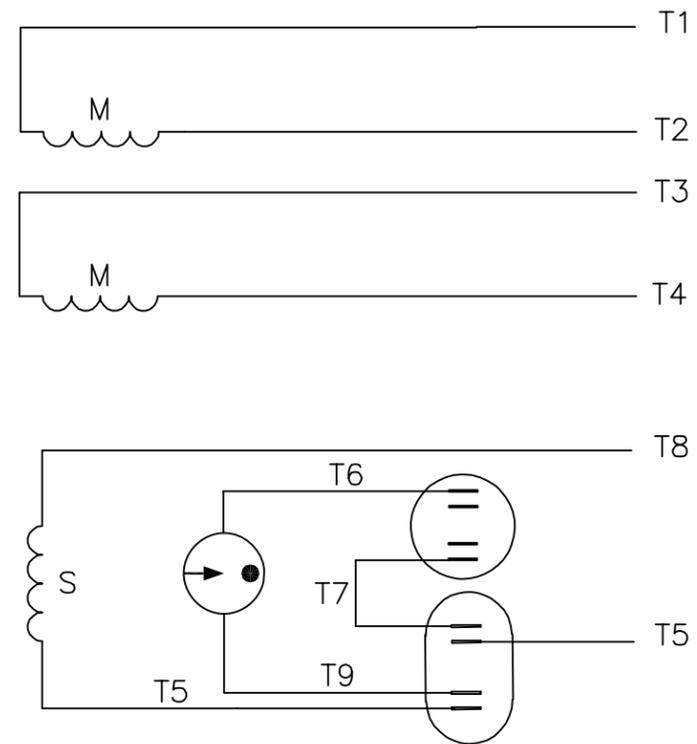
REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE S56 FRAME RIGID MOUNT - DRIP PROOF	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS404123
SHEET 1 OF 1	

005054-15-REGAL

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4 T5	T2,T3 T8
	C.W.	T1	T4 T8	T2,T3 T5
LOW VOLT	C.C.W.	T1 T3,T8	T2,T4 T5	
	C.W.	T1,T3 T5	T2,T4 T8	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°



Regal Beloit America, Inc.

DRAWN JAH 11/21/14

CHK

APPD

SCALE 1=1

REF 005054-01

FMF 102368.00

PREV

TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR

MAT'L. DECAL 004012

FINISH

NO.	REVISION	BY & DATE	CHK	ANG	±1/2°

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RFP
DIST

CAD FILE 005054-15-REGAL

SIZE

DRAWING NO.

REV.

A 005054-15-REGAL



CERTIFICATION DATA SHEET

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

CATALOG #: E100338.00

CONN. DIAGRAM: A-005054-15-REGAL

OUTLINE: A-SS404123-750

MOUNTING: F1 ONLY

WINDING #: BE484110 3

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	4.6/2.3	ACROSS THE LINE	CONTINUOUS	B3	1.25	40

FULL LOAD EFF:	76.2	3/4 LOAD EFF:	73.7	1/2 LOAD EFF:	66	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	91.6	3/4 LOAD PF:	89.8	1/2 LOAD PF:	86.1	72		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24.4 OZ-FT	35.4 / 17.7	75.6 OZ-FT 310 %	60.4 OZ-FT 248 %	25

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 LB-FT^2	0 LB-FT^2	10 SEC.	0	22 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	GREEN (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	MULTEMP SRL	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	NOT	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

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : E100338.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : E100338.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25