

PRODUCT INFORMATION PACKET



Model No: 191563.00

Catalog No: 191563.00

General Purpose Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
56HC Frame, TEFC



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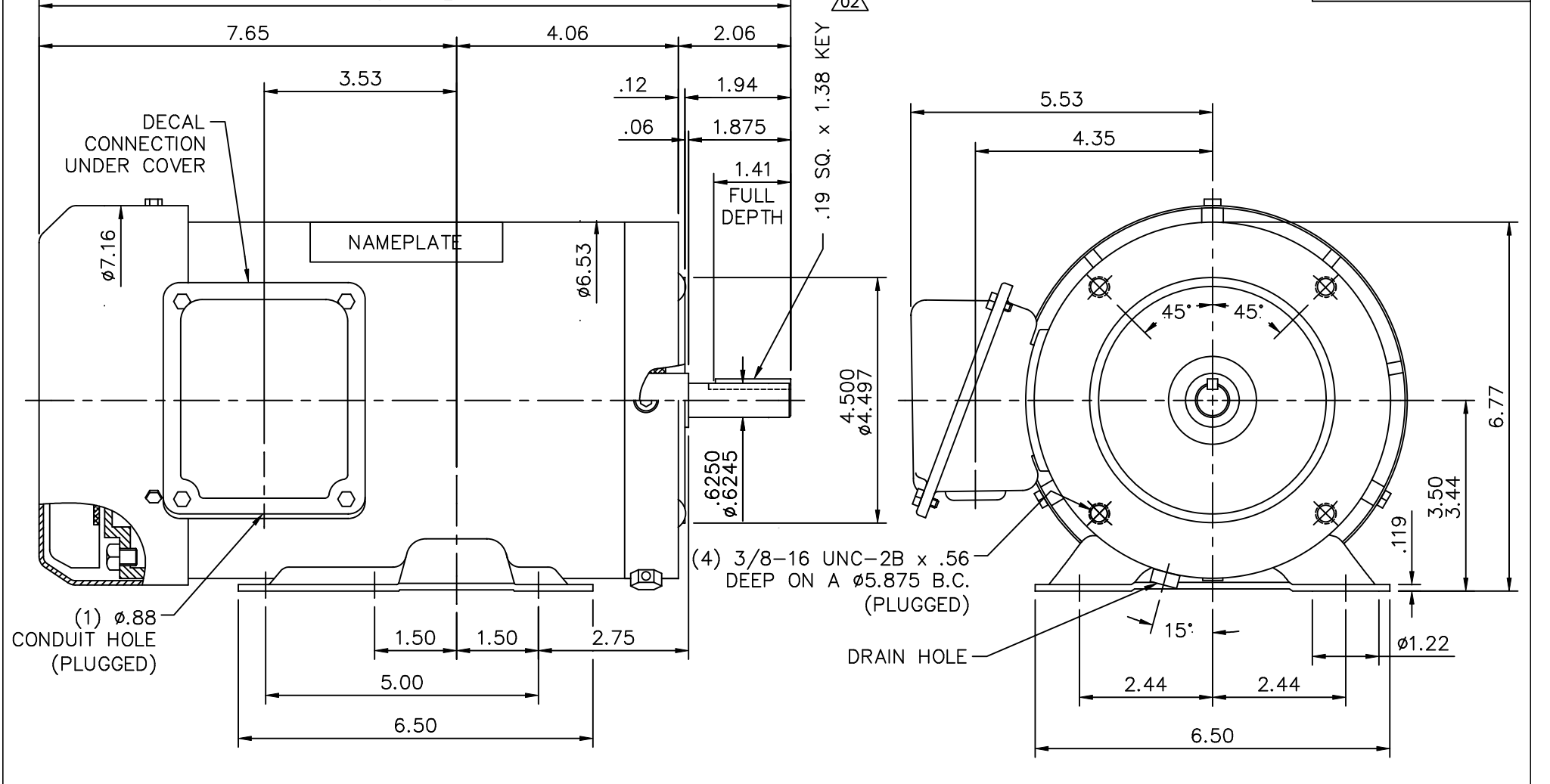
Nameplate Specifications

Phase	3	Output HP	2 & 1.50 Hp
Output KW	1.5 & 1.1 kW	Voltage	208-230/460 & 190/380 V
Speed	1750 & 1450 rpm	Service Factor	1.15 & 1.15
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 86.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	5.8-5.4/2.7 & 5/2.5 A	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	13.77 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 20:1
Connection Drawing	005010.01	Outline Drawing	16992800

13.77 REF	169928.00
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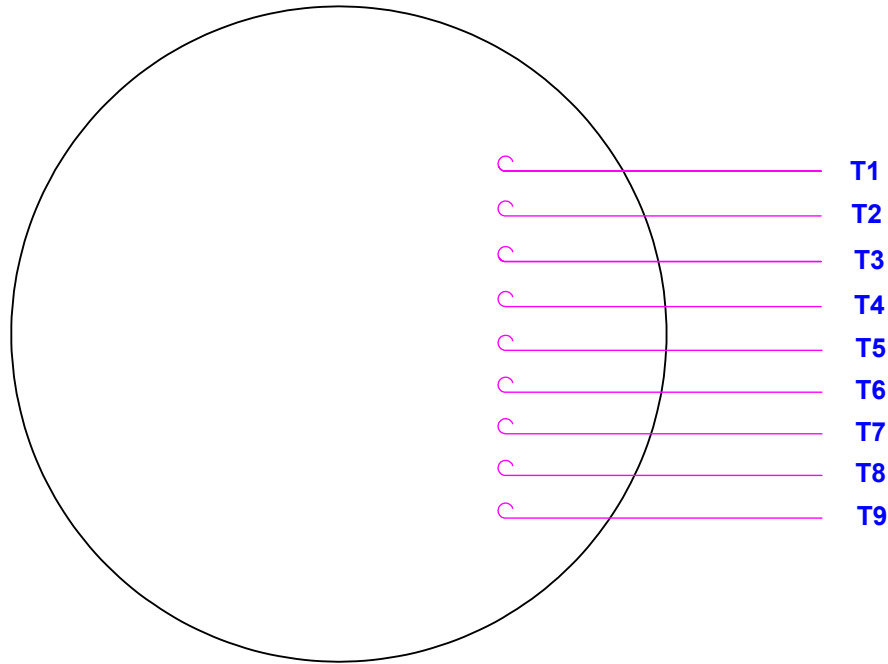


MAXIMUM FACE RUNOUT TO BE .004 T.I.R.	
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.	
PERMISSABLE SHAFT RUNOUT .002 T.I.R.	GASKETS THROUGHOUT

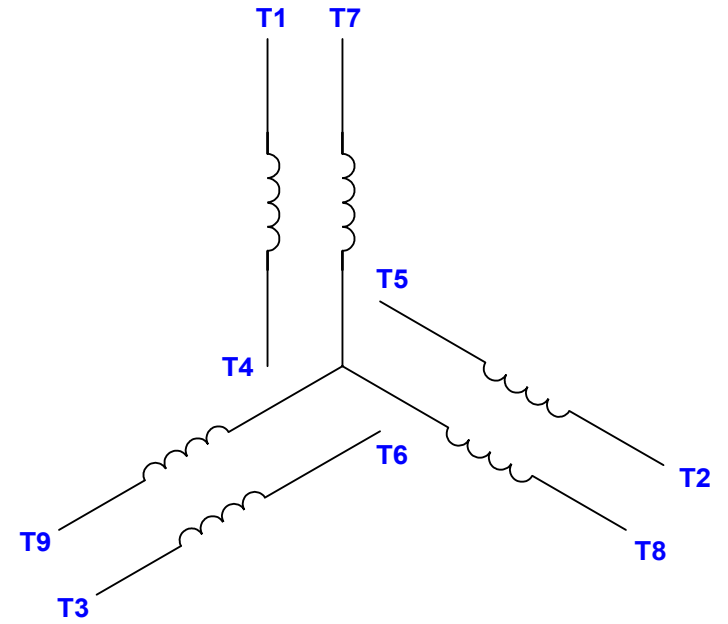
GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWING MGM 04/09/03	
				DEC.	INCHES		CHK	RDW 04/09/03		
				.X	±.1		APPD			
				.XX	±.03		SCALE 3=8			
02	UPDATED SHAFT EXT DIMS	RDW 4/26/04	SW	.XXX	±.005	TITLE OUTLINE – 56HC FRAME TEFC – RIGID "C"		REF		
01	CONDUIT HOLE WAS 1/2–14 NPT, DIM .157 WAS .12	SW 10/7/2003	RDW	.XXXX	±.0005	MAT'L.		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	16992800	SIZE	DRAWING NO.	REV.	
			DIST			A	169928.00	01		

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

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				TOLERANCES UNLESS SPECIFIED	 Regal Beloit America, Inc.	DRAWN RDW 04/12/02
				DEC INCHES		CHK
				.X ±.1		APPR
12	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.XX ±.01	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	SCALE 1:1
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX ±.005		REF FIG. 2-51
11	ADD REV TO MATCH ORACLE	KJH 06/08/09	MDN	.XXXX ±.0005	MAT'L DECAL - 004014	FMF
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH	PAGE OF
THIRD ANGLE PROJECTION			RFP	04/12/02	PREV	SIZE A
			NETWORK FILE NAME 00501001			DRAWING NO 005010-01
						REV 12



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-277-8810

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01

CAT #: 191563.00

OUTLINE: 16992800

WINDING: QT63422

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	1800	1754	56HC	TEFC	NA	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	5.8-5.2/7.8&5/2.5	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	88.4	3/4 LD EFF	88.2	1/2 LD EFF	85.9	GTD EFF	ELECT. TYPE
F.L. PF	78.3	3/4 LD PF	72.5	1/2 LD PF	60.5	0.0	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
6.0 LB-FT	23.4	17.4 LB-FT 290%	25.4 LB-FT 423%	46

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA		0.00 LB-FT²	0 LB-FT²	10 SEC.	0	0 LB.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	WATTS AVER

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL						
6205 6205	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *			INVERTER TORQUE: CONSTANT 20:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED ENCODER: NONE NONE NONE NONE PPR
DATE: 9/6/2018		BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ:	
		UL: Y	

Data Sheet

Date: 9/6/2018

191563.00



Data @ 460 V

Motor Load Data

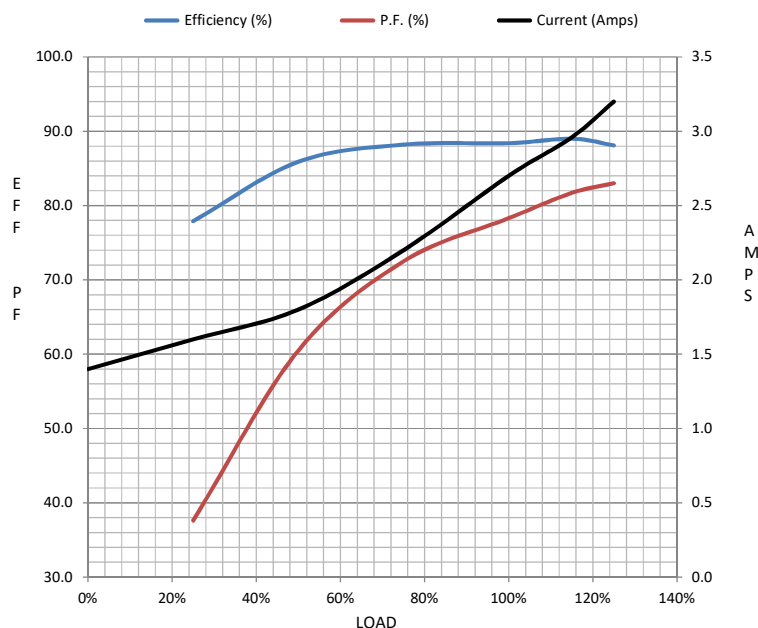
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.40	1.60	1.80	2.20	2.70	2.96	3.2	23.4	
Torque (ft-lb)	0.00	1.47	2.95	4.5	6.0	6.9	7.5	17.4	
RPM	1800	1789	1779	1767	1754	1,747	1741	0	
Efficiency (%)		77.9	85.9	88.2	88.4	89.0	88.1		
P.F. (%)	8.9	37.6	60.5	72.5	78.3	81.7	83.0	51.5	

Motor Speed Data

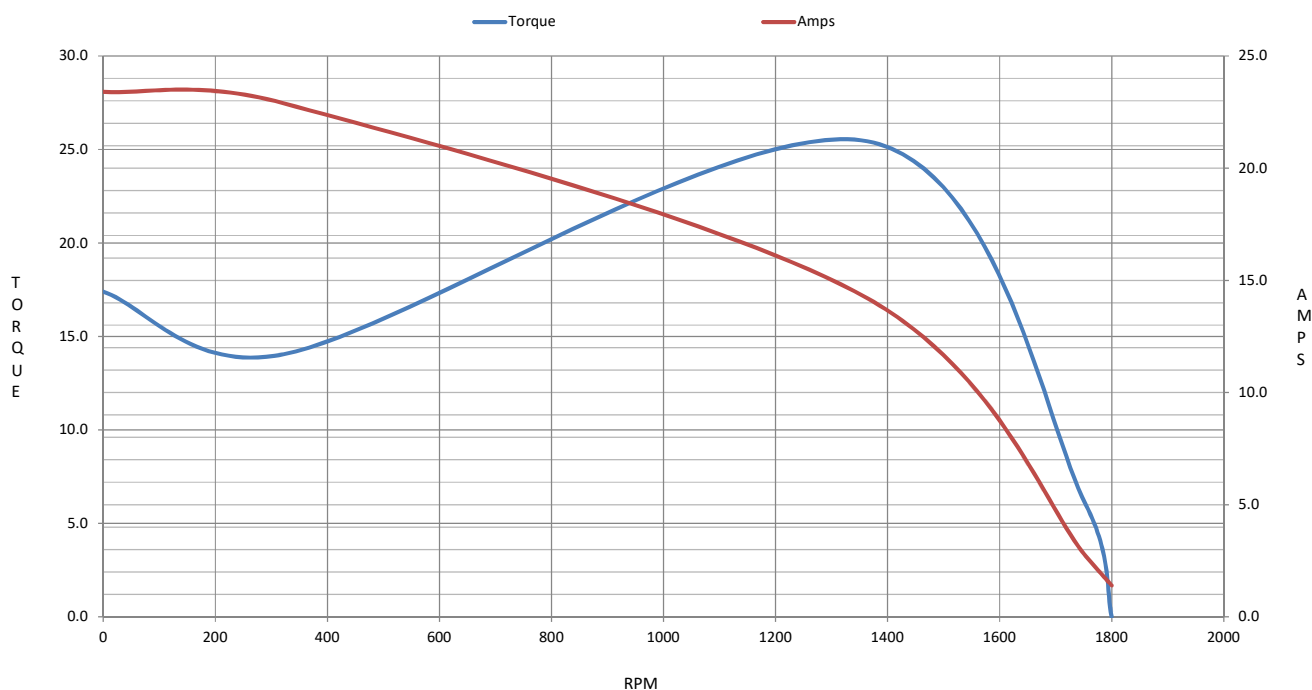
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	321	1364	1754	1800
Current (Amps)	23.4	22.9	14.2	2.70	1.40
Torque (ft-lb)	17.4	14.0	25.4	6.0	0.00

Information Block

HP	2.0			
Sync. RPM	1800			
Frame	0			
Enclosure	TEFC			
Construction	NA			
Voltage	208-230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	46	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	QT63422 FR			
Sound Pressure @ 1M	999	dBA		
VFD Rating	CONSTANT 20:1			
Outline Dwg	16992800			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve



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 : 191563.00

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

Catalog No : 191563.00

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