

# PRODUCT INFORMATION PACKET

Model No: 056B34F5328

Catalog No: D316

General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 56HC Frame, TEFC



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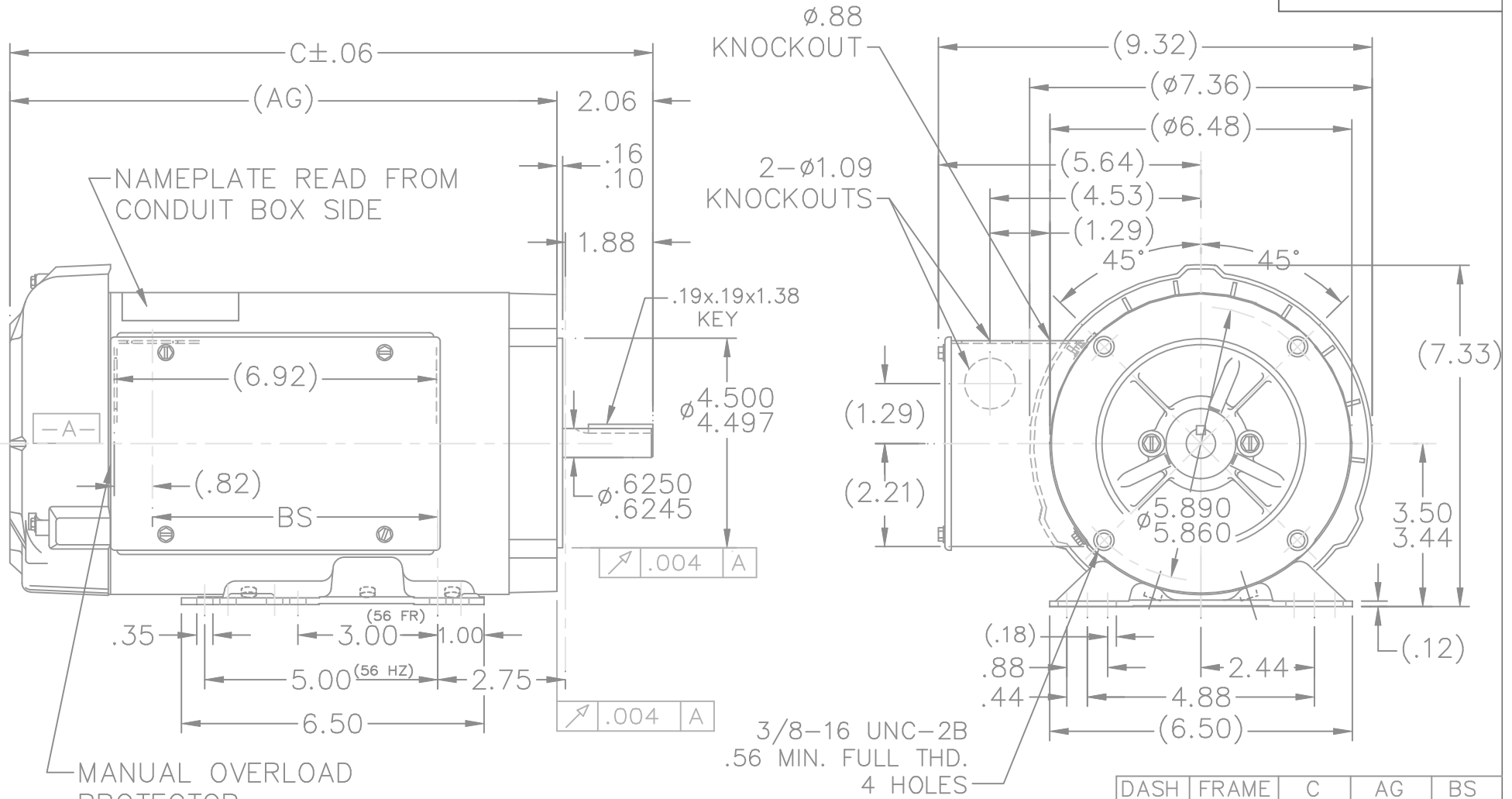
### Nameplate Specifications

Output HP	<b>3 Hp</b>	Output KW	<b>2.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230 V</b>
Current	<b>13.1-11.8 A</b>	Speed	<b>3450 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>84 %</b>	Power Factor	<b>99.2</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>N</b>	KVA Code	<b>H</b>
Frame	<b>56HC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6205</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</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>2</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Bolt-on 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 56</b>	Overall Length	<b>14.81 in</b>
Frame Length	<b>9.56 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>2.06 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>A-100144-956</b>	Connection Drawing	<b>102006-72</b>

TERM. END



NOTES:  
1. BASE IS REMOVEABLE

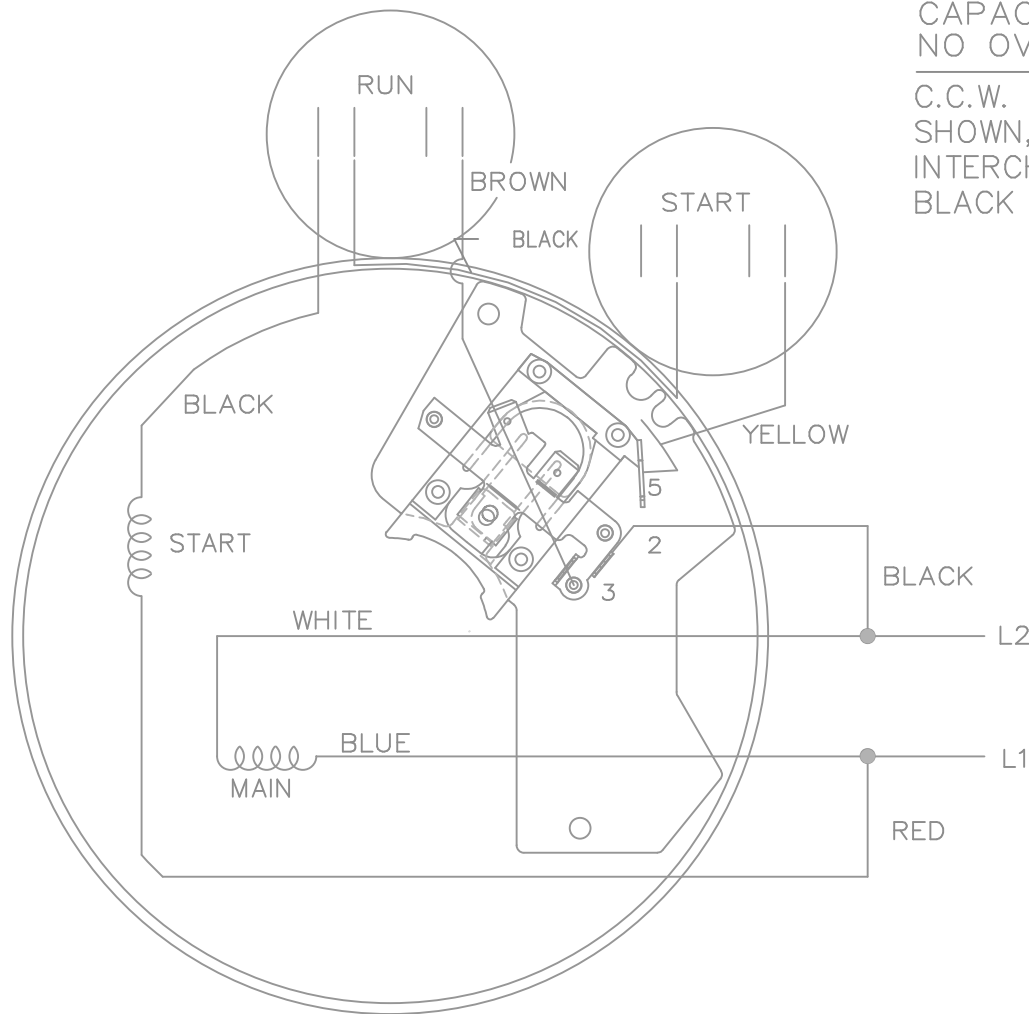
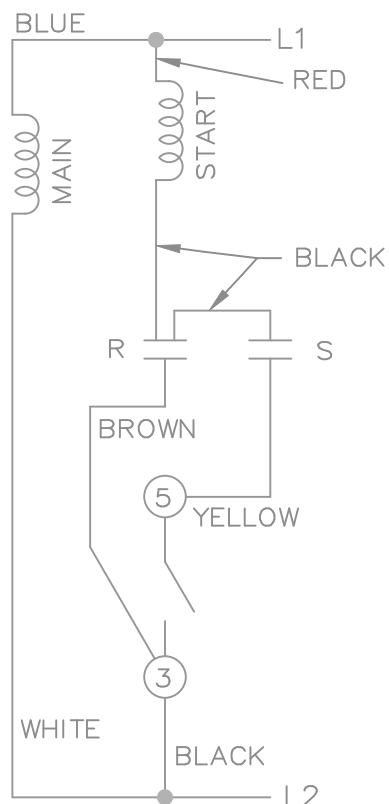
DASH	FRAME	C	AG	BS
806	56.80	13.31	11.25	5.63
856	"-75	13.81	11.75	6.13
906	"-80	14.31	12.25	6.63
956	"-85	14.81	12.75	7.13


				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN BLR 05-27-1997					
				DEC.	INCHES			CHK ML 06-03-1997					
				.X	±.1			APPD GK 06-03-1997					
				.XX	±.03	TITLE OUTLINE		SCALE 5=16					
				.XXX	±.005	56 FR. - BB - TEFC - 1 $\phi$ - C"FACE		REF					
3 REDRAWN ON CAD				BLR 06-03-1997	.XXXX	±.0005	MAT'L.		FMF				
NO.	REVISION			BY & DATE	CHK	ANG	±7'30"	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 100144			SIZE	DRAWING NO.	PAGE	OF	REV.	
9/27/2008 6:02:24 AM				DIST	WP	A			100144		3		

LOW OR HIGH VOLTAGE C.C.W.

LOW OR HIGH VOLTAGE  
CAPACITOR START-RUN  
NO OVERLOAD SELECT ROT.

C.C.W. ROTATION  
SHOWN, TO REVERSE,  
INTERCHANGE RED WITH  
BLACK LEAD.



				TOLERANCES UNLESS SPECIFIED			DRAWN KL 11-19-1993		
				DEC.	INCHES		CHK ML 11-30-1993		
				.X	±.1		APPD GK 11-30-1993		
6	ADDED LOW VOLTAGE TO DESCRIPTION	CN 29200-3243	TJB 10-27-2003	PJB	.XX	±.02	TITLE CONNECTION DIAGRAM		
5	CAP LEAD COLORS REV'D	CN 16210	AJS 08-29-1994		.XXX	±.005	SCALE 5=8		
4	REDRAWN ON CAD, NO CHANGES		KL 12-01-1993		.XXXX	±.0005	REF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"		FMF		
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 102006-72		SIZE	DRAWING NO. PAGE OF	REV.
				DIST	WP		A	102006-72	6

CERTIFICATION DATA SHEET

Model#: 56B34F5328 K WINDING#: ZB202 NONE 4  
 CONN. DIAGRAM: 102006-72 ASSEMBLY: F1 ONLY  
 OUTLINE: A-100144-956

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3450	56HC	TEFC	H	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	13.1-11.8	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 84	3/4 LOAD EFF: 80.7	1/2 LOAD EFF: -	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 99.2	3/4 LOAD PF: 99.9	1/2 LOAD PF: -	0	CAP START CAP RUN	2.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.46 LB-FT	91	8.46 LB-FT 190	13.2 LB-FT 296	70

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	0 SEC.	0	0 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

* N O T E S *	INVERTER TORQUE: NONE
	INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE NONE NONE PPR
	BRAKE: PROVISIONS FOR KIT NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

DATE: 06/21/2017 09:23:17 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.



**MARATHON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

HP 3.00

PHASE 1

Model No 56B34F5328

60

HZ

VOLTS 208-230

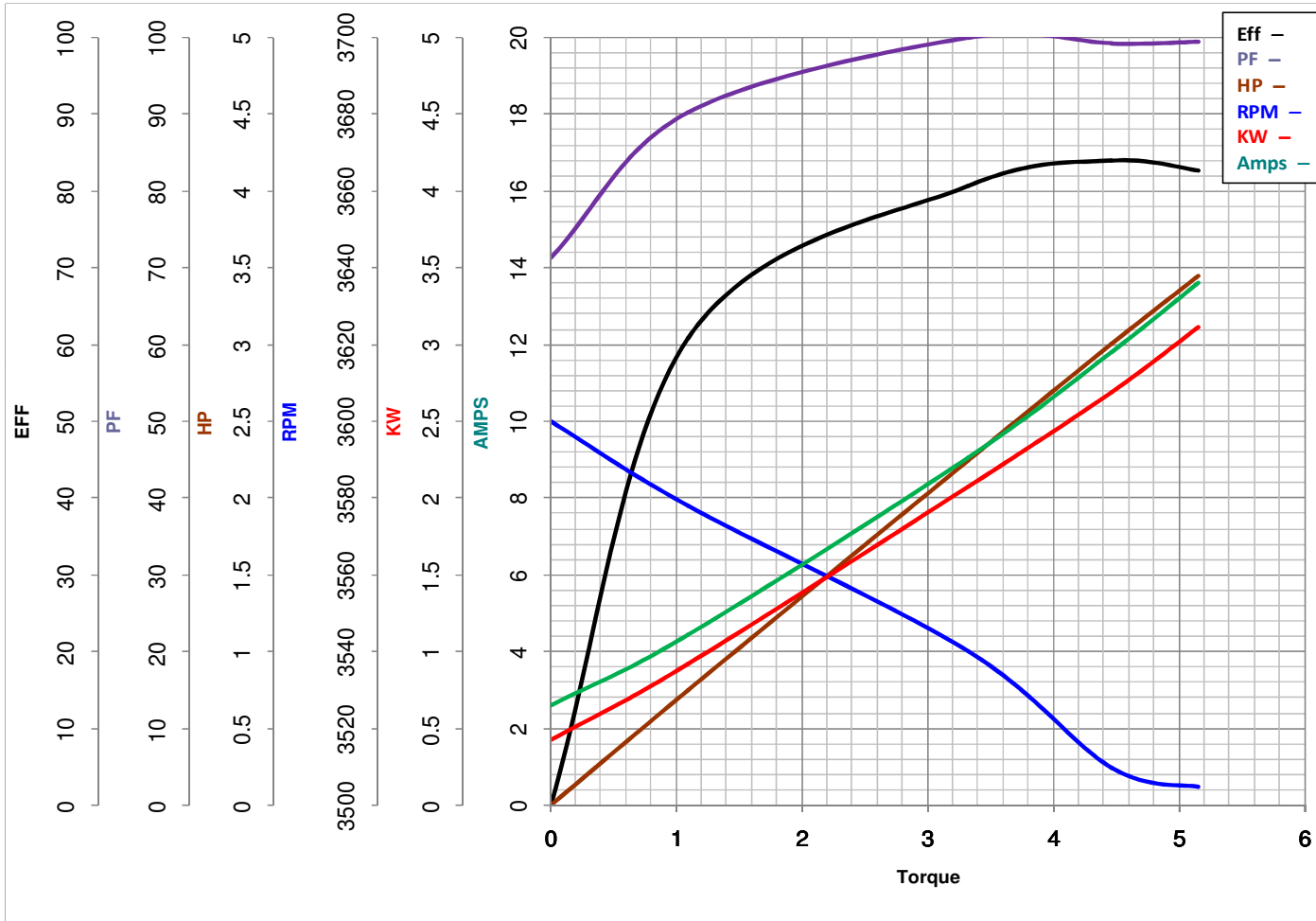
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HP

Catalog No D316

HZ 60

RPM 3450



Torque in Lb.Ft

FL TORQUE 4.46 Lb.Ft  
BD TORQUE 13.2 Lb.Ft  
LR TORQUE 8.46 Lb.Ft

FL AMPS 13.1-11.8  
PU TORQUE 6.8 Lb.Ft  
LR AMPS 91

WINDING ZB202-4

Date 1/7/2019

## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
100 East Randolph St.  
Wausau, WI 54401

and the authorized representative  
established within the Community:

Marathon Electric UK  
6F Thistleton Road Ind. Estate  
Market Overton  
Oakham, Rutland LE15 7PP UK

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 : 056B34F5328

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

Catalog No : D316

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:



Michael A. Logsdon  
Vice President, Technology

Authorized Representative in the Community:



Julian Clark  
Marketing Engineer

Created on 09/01/2022

**CE 22**