

PRODUCT INFORMATION PACKET



Model No: 141289.00

Catalog No: 141289.00

Special Voltage Motor, 7.50 HP, 3 Ph, 60 Hz, 200/400 V, 1800 RPM, 213T Frame, TEFC



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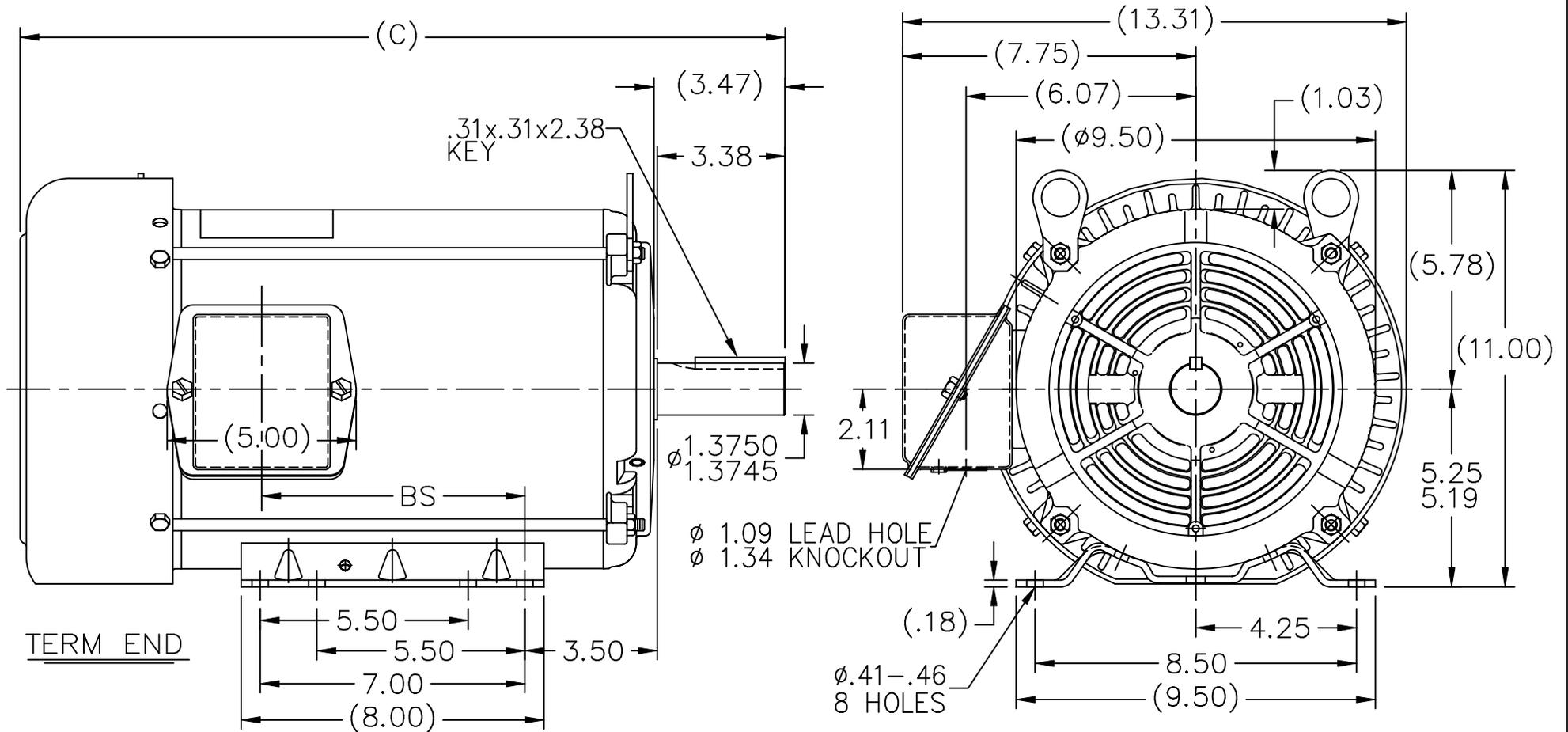


Nameplate Specifications

Phase	3	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	200/400 V
Speed	1765 rpm	Service Factor	1.15
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	22.6/11.3 A	Power Factor	78.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	1.18 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.73 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86560-965	Connection Drawing	005010.01



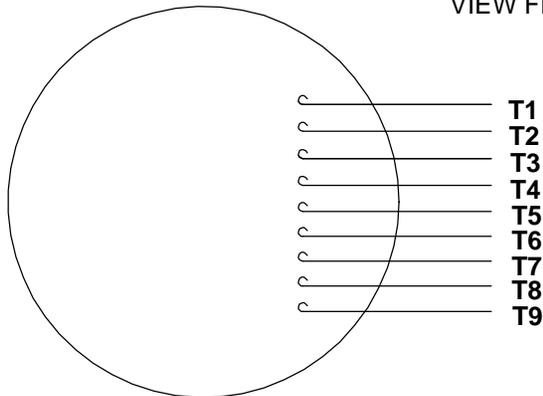
NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

DASH	FR.	C	BS	MOUNTING
965	213/15T	18.73	5.43	
1115	213/15T	20.23	6.93	
1240	213/15T	21.48	8.18	F1 ONLY

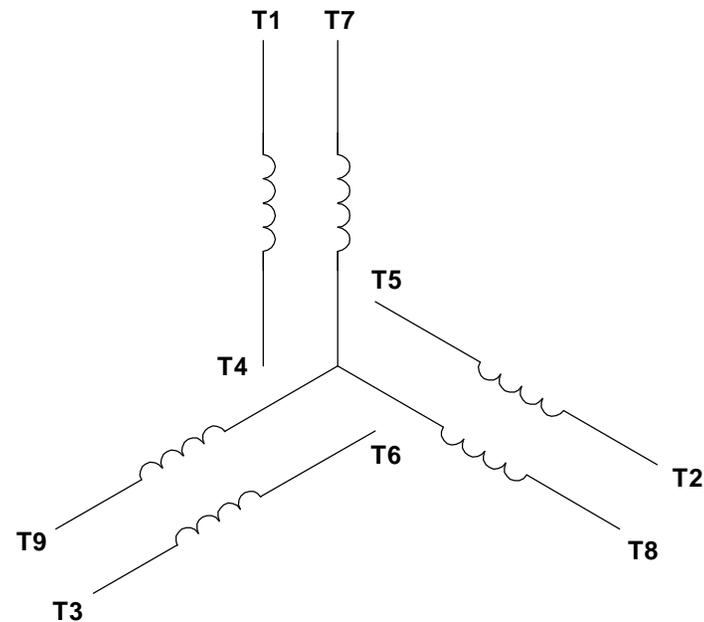
				TOLERANCES UNLESS SPECIFIED		Lincoln MOTORS	DRAWN TJB 12-20-1999				
				DEC.	INCHES		CHK	ML	12-20-1999		
				.X	±.1	TITLE OUTLINE 210T FR. - BB - TS - TEFC - R/S	APPD GK 12-20-1999				
				.XX	±.03		SCALE 1=4				
2	RE-ISSUED: REDRAWN AND REVISED DASH 965	ERH	12-04-2003	.XXX	±.005		REF				
1	NEW DRAWING	TJB	12-21-1999	.XXXX	±.0005	MAT'L					
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH					
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 ss86560ln		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	LB	A	SS86560LN			2	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



MODEL NO.	HP	RPM	VOLTAGE	MODEL NO.	HP	RPM	VOLTAGE
3N841	1/4	1725	208-230/460	6WY43	1 1/2	1740	208-230/460
3N842	1/3	1725	208-230/460	6WY44	1 1/2	3450	208-230/460
3N851	1/3	3450	208-230/460	6WY45	1 1/2	3450	208-230/460
3N852	1/2	3450	208-230/460	6WY46	2	1740	208-230/460
3N854	1/3	3450	208-230/460	6WY47	2	1740	208-230/460
3N855	1/2	3450	208-230/460	6WY48	2	3450	208-230/460
6WY28	1/3	1740	208-230/460	6WY49	2	3450	208-230/460
6WY29	1/3	3450	208-230/460	6WY50	3	3450	208-230/460
6WY30	1/2	1140	208-230/460	6WY51	1/2	1140	208-230/460
6WY31	1/2	1740	208-230/460	6WY52	1/2	1140	208-230/460
6WY32	1/2	3450	208-230/460	6WY53	1/2	1740	208-230/460
6WY33	3/4	1140	208-230/460	6WY54	3/4	1140	208-230/460
6WY34	3/4	1740	208-230/460	6WY55	3/4	1740	208-230/460
6WY35	3/4	3450	208-230/460	6WY56	1	1140	208-230/460
6WY36	1	1140	208-230/460	6WY57	1	1740	208-230/460
6WY37	1	1140	208-230/460	6WY58	1	1740	208-230/460
6WY38	1	1740	208-230/460	6WY59	1 1/2	1740	208-230/460
6WY39	1	1740	208-230/460	6WY60	1 1/2	1740	208-230/460
6WY40	1	3450	208-230/460	6WY61	2	1740	208-230/460
6WY41	1	3450	208-230/460	6WY62	2	1740	208-230/460
6WY42	1	1740	208-230/460				

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		Dayton Electric Mfg. Co. Lake Forest IL 60045 USA		DRAWN RDW 05/09/05	
		DEC	INCHES			CHK	
04	REVISED GRAINGER ADDRESS AS PER IS12-2651	PVR 7/4/2012	PI	.X	±.1	APPR KJH 05/09/05	
03	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XX	±.01	SCALE 1:1	
02	ADDED 3N841, 842, 851, 852, 854 & 855 TO CHART	RDW 10/28/05	KH	.XXX	±.005	REF	
01	REMOVED 4YU41, ADDED 6WY28 - 6WY62	RDW 8/01/05	KH	.XXX	±.0005	MAT'L DECAL - 004014	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	PAGE OF	
THIRD ANGLE PROJECTION			RFP	PREV		SIZE	DRAWING NO
			NETWORK FILE NAME		00501001WD	A	005010-01WD
							REV 04



CERTIFICATION DATA SHEET

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

CATALOG #: 141289.00

CONN. DIAGRAM: 005010.01

OUTLINE: SS86560-965

MOUNTING: F1/F2 CAPABLE

WINDING #: K2134279 R1 4

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1800	1765	213TC	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	200/400	22.6/11.3	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	91.7	3/4 LOAD EFF:	91.6	1/2 LOAD EFF:	90.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	78.3	3/4 LOAD PF:	72.6	1/2 LOAD PF:	60.4	91		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.3 LB-FT	155.3 / 77.6	52.9 LB-FT 238 %	75 LB-FT 338 %	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.85 LB-FT^2	62 LB-FT^2	15 SEC.	2	140 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 - LEESON WATTSAVER

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	NONE	ROLLED STEEL
6207	6206						

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

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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

Data Sheet

Date: 1/22/2018

141289.00



Data @ 400 V

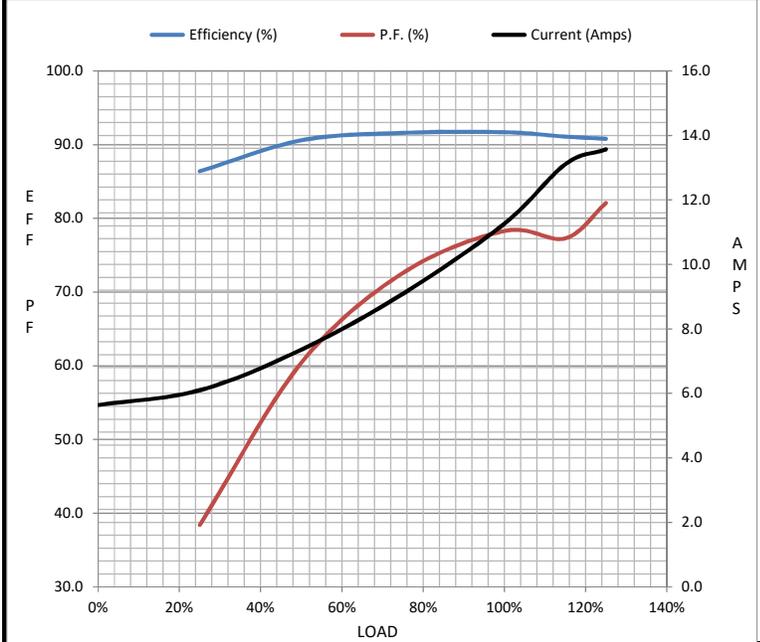
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.6	6.1	7.4	9.1	11.3	13.1	13.6	77.6
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.5	28.0	52.9
RPM	1800	1792	1785	1775	1765	1765	1762	0
Efficiency (%)		86.4	90.6	91.6	91.7	91.7	90.8	
P.F. (%)	4.9	38.4	60.4	72.6	78.3	77.3	82.1	42.6

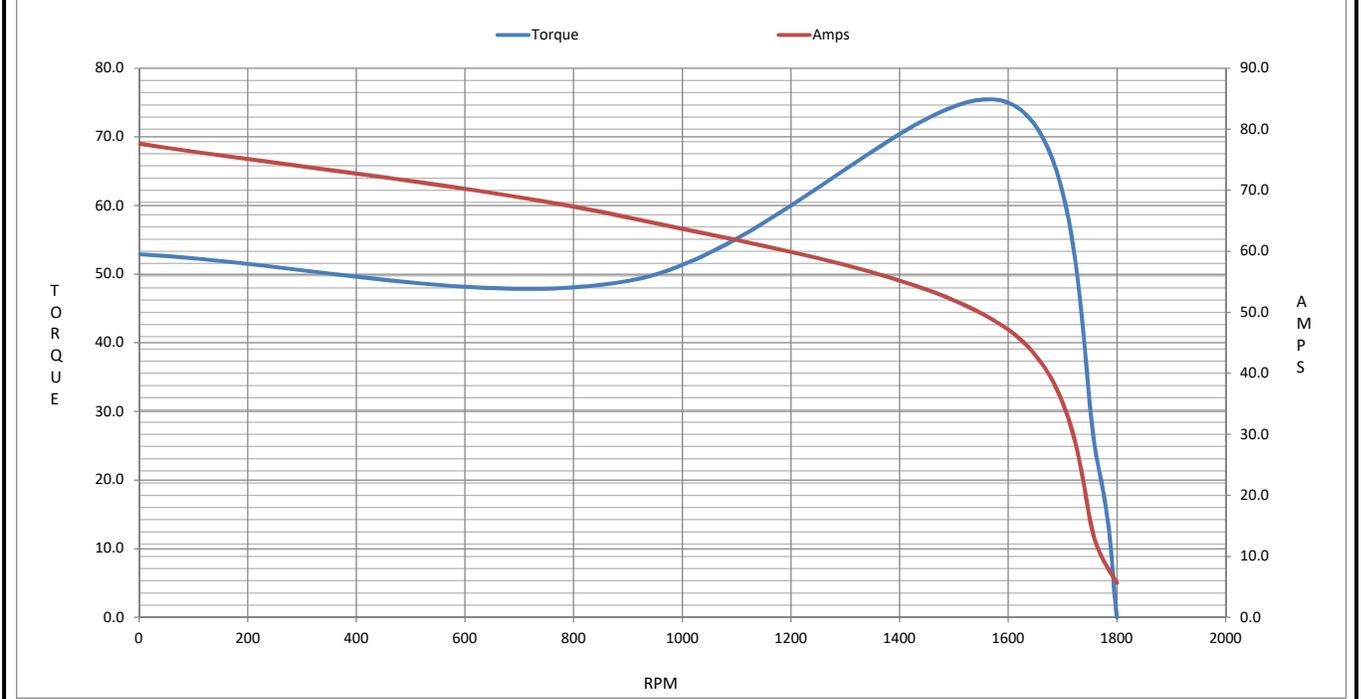
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1765	1800
Current (Amps)	77.6	65.6	47.2	11.3	5.6
Torque (ft-lb)	52.9	49.0	75.0	22.3	0.00

Information Block				
HP	7.5			
Sync. RPM	1800			
Frame	213			
Enclosure	TEFC			
Construction	TFW			
Voltage	200/400 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	55 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.85 Lb-Ft ²			
Ref Wdg	K2134279 R1			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	SS86560-9650			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5750	0.8380	1.8590	2.3990	38.1200



Speed - Torque Curve



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 : 141289.00

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

Catalog No : 141289.00

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:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22