

# PRODUCT INFORMATION PACKET



Model No: 141291.00  
Catalog No: 141291.00  
Special Voltage Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 213T Frame, TEFC



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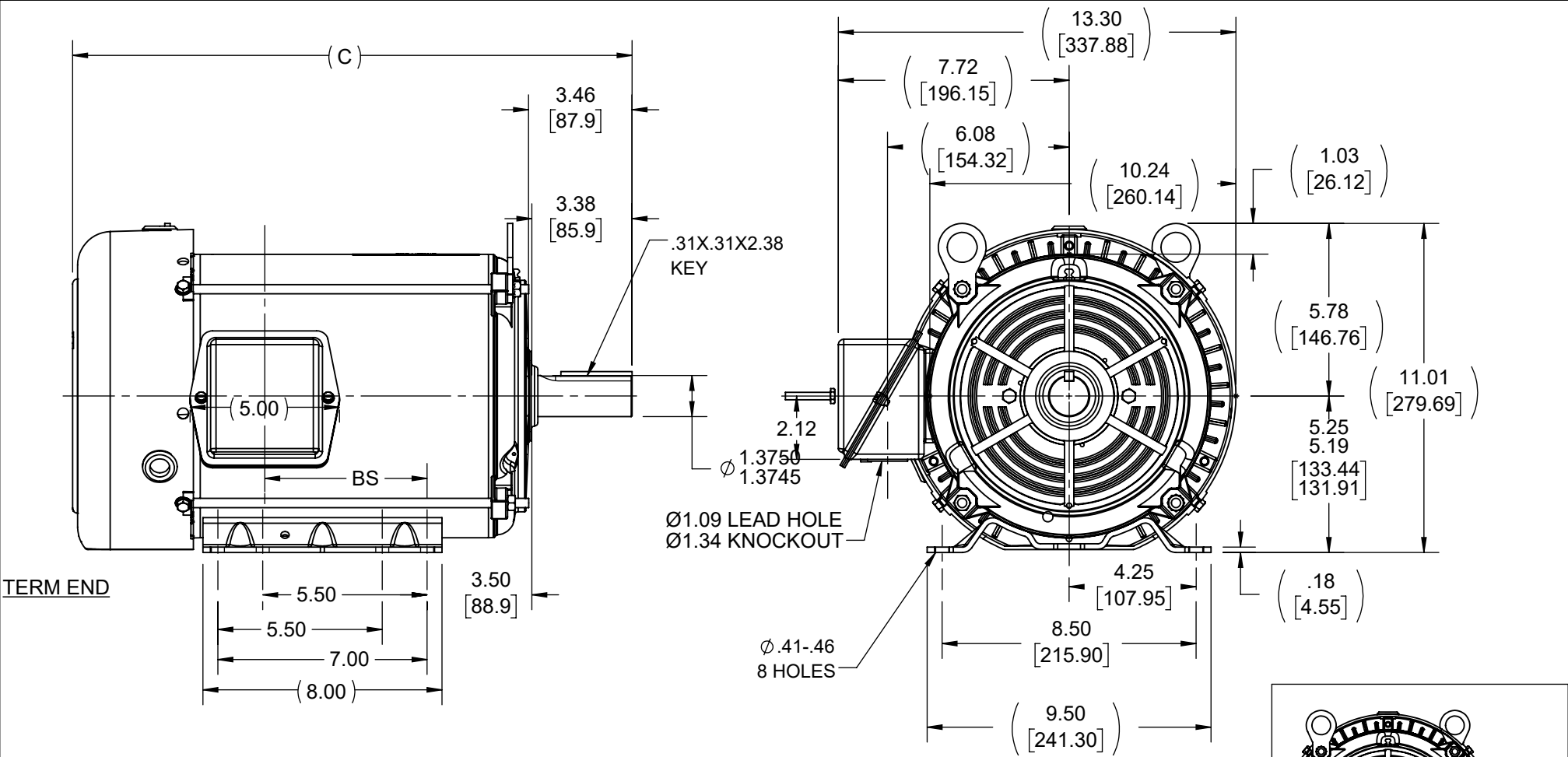


## Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	575 V
Current	7.7 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	79.2
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	307	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

## Technical Specifications

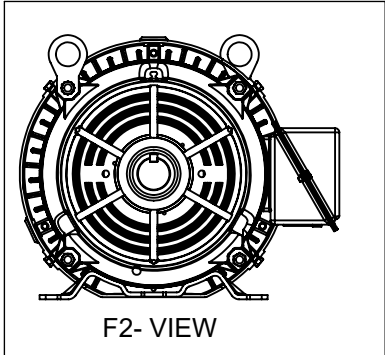
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	1.18 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.73 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005102.01	Outline Drawing	SS88975-965





TERM END

DASH	FR.	C	BS	MOUNTING
965	213T	18.73	5.43	--
1115	213/15T	20.23	6.93	F1 ONLY OR F2 ONLY
1240	213/15T	21.48	8.18	F1 ONLY OR F2 ONLY

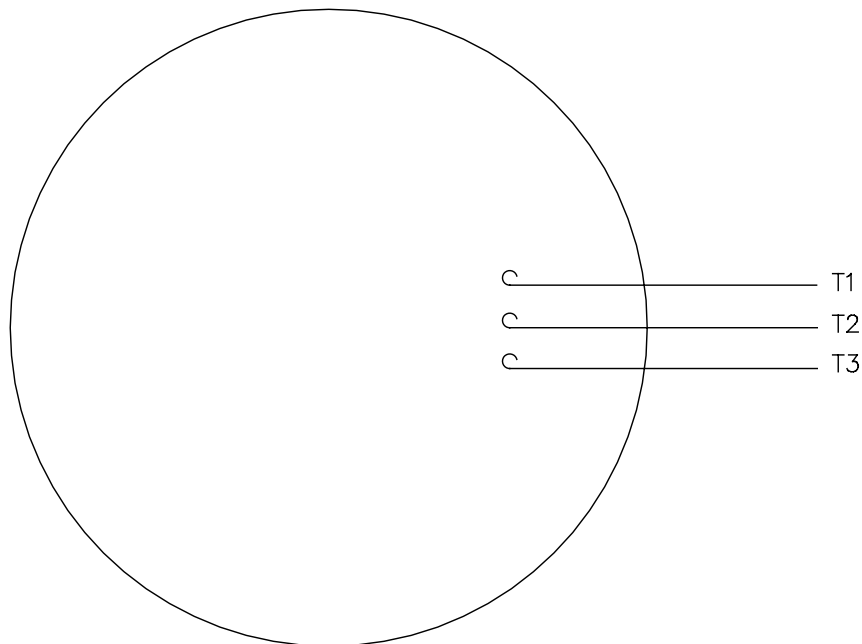
- NOTES:
- NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
  - BOX CAN BE MOUNTED IN 90° STEPS.
  - BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.  
(EXCEPT AS NOTED.)



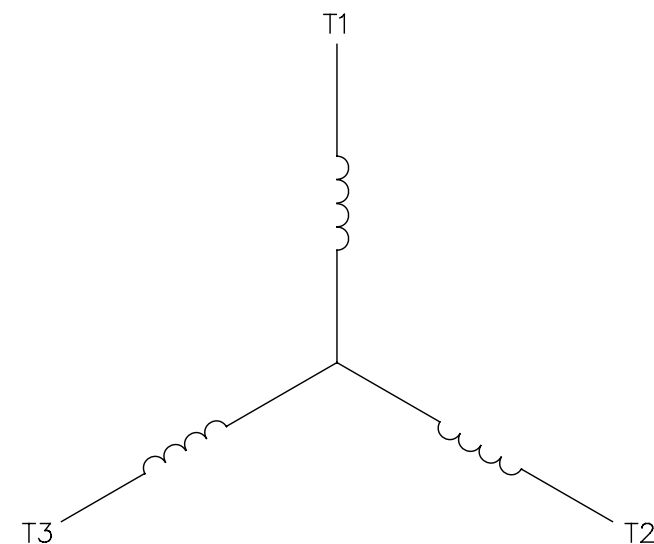
DRAWING REVISION K	REVISION BY KR	REV DATE/© DATE 05/30/2022	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7' 30" .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200/ 5.1 INCH mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY ERH		 Regal Beloit America, Inc.	
REQUEST NUMBER NMR-0214388	APPROVED BY MN	DATE 05/30/2022		DATE 12-08-2003			
REQUEST NUMBER DESCRIPTION UPDATED TO SOLIDWORK				APPROVED BY DR		DESCRIPTION  OUTLINE 210 FR. - BB-TS-TEFC-R/S	
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				REFERENCE ABCDEF		MATERIAL	
				THIRD ANGLE PROJECTION 		PROCESS/FINISH	
				SIZE A		DRAWING NUMBER SS88975	
						SHEET 1 OF 1	

005102-01


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS

CONNECT LEADS AS FOLLOWS  
FOR FOUR CONDUCTOR CORD ( )

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	DRAWN	JRW 9/11/75		
				DEC.	INCHES		CHK			
				.X	±.1		APPD	JCW 9/11/75		
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR	SCALE	1=1		
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005		REF	W-T6343-6		
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005	MAT'L.	DECAL - 004169	FMF 6T17FB7		
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	5/1/02		CAD FILE	00510201	SIZE	DRAWING NO.	REV.
			DIST	BRF-NLV				A	005102-01	08



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

DATA VOLTS: 460

### CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005102.01

CAT #: 141291

OUTLINE: SS88975-965

WINDING: K2134279

NONE 3

### TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
7.5	5.6	1800	1765	213T	TEFC	TFN	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	7.7	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	91.7	3/4 LD EFF	92.2	1/2 LD EFF	91.6	GTD EFF		ELECT. TYPE	
F.L. PF	79.2	3/4 LD PF	72.9	1/2 LD PF	61.1	91.0		SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
22.3 LB-FT	54.0	52.9 LB-FT 237%	75.0 LB-FT 336%	50

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
62 dBA	71 dBA		0.85 LB-FT²	45 LB-FT²	25 SEC.	2	140 LB.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	WATTSaver

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
307 206						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	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
1.188	1.731	3.841	4.958	78.772	0.080	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

DATE: 9/4/2018	BRAKE: NONE NONE	NONE
	FT-LB: NA	
	VOLTAGE: NONE	HZ:
UL: Y		

## Data Sheet

Date: 9/4/2018

141291



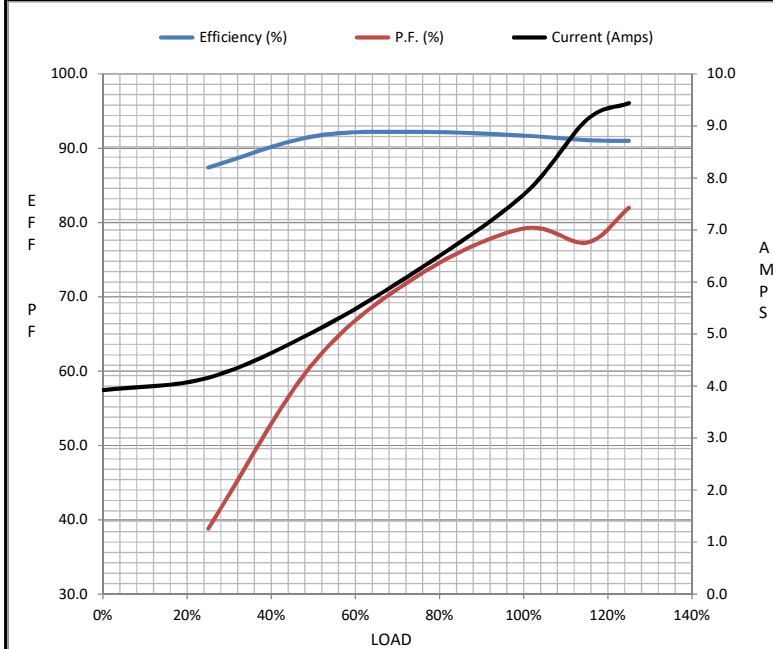
Data @ 575 V

## Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.9	4.2	5.0	6.2	7.7	9.1	9.4	54.0	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.5	28.0	52.9	
RPM	1800	1792	1784	1775	1765	1,765	1756	0	
Efficiency (%)		87.4	91.6	92.2	91.7	91.1	91.0		
P.F. (%)	4.7	38.8	61.1	72.9	79.2	77.3	82.0	42.6	

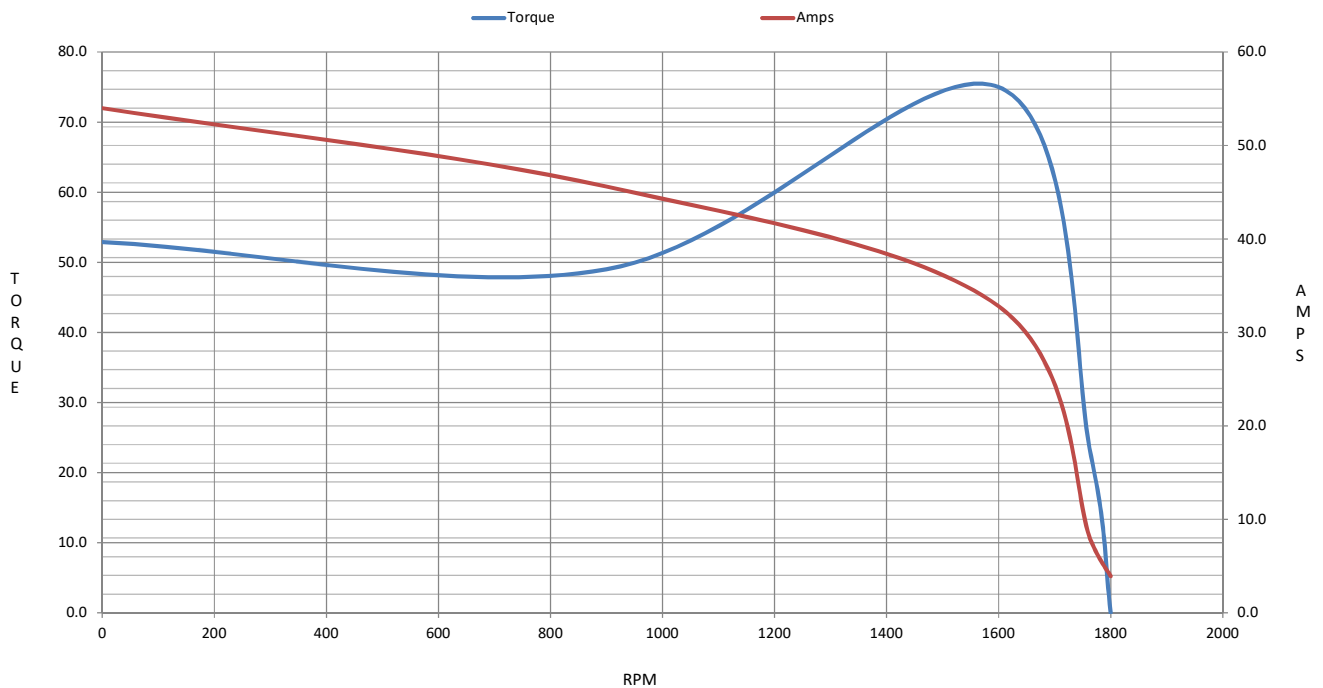
## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1765	1800
Current (Amps)	54.0	45.6	32.8	7.7	3.9
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		TFN		
	Voltage		575 V		
	Frequency		60 Hz		
	Design		A		
	LR Code letter		H		
	Service Factor		1.15		
	Temp Rise @ FL		50 ° C		
	Duty		CONT		
	Ambient		40 ° C		
	Elevation		1,000 feet		
	Rotor/Shaft wk²		0.85 Lb-Ft²		
	Ref Wdg		K2134279 NONE		
	Sound Pressure @ 1M		62 dBA		
VFD Rating		NONE			
Outline Dwg		SS88975-965			
Conn. Diag		005102.01			
Additional Specifications:					
0					
0					
EQUIV CKT (OHMS / PHASE)					
R1	R2	X1	X2	Xm	
1.1880	1.7310	3.8410	4.9580	78.7720	

## 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 : 141291.00

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

Catalog No : 141291.00

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**