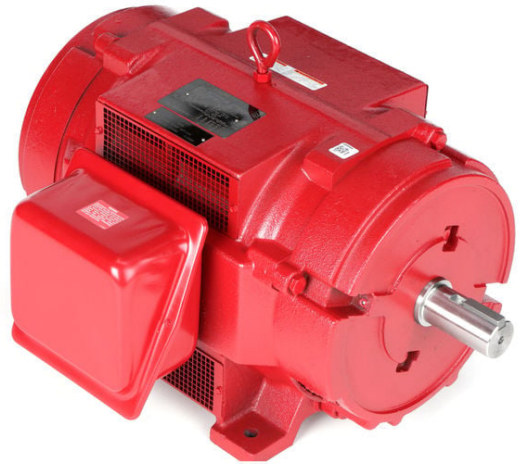
PRODUCT INFORMATION PACKET

Model No: 326TSTDCD4022
Catalog No: U517A
Fire Pump Motor, 60 HP, 3 Ph, 60 Hz, 190/380-400 V, 3600 RPM, 326TS Frame, DP



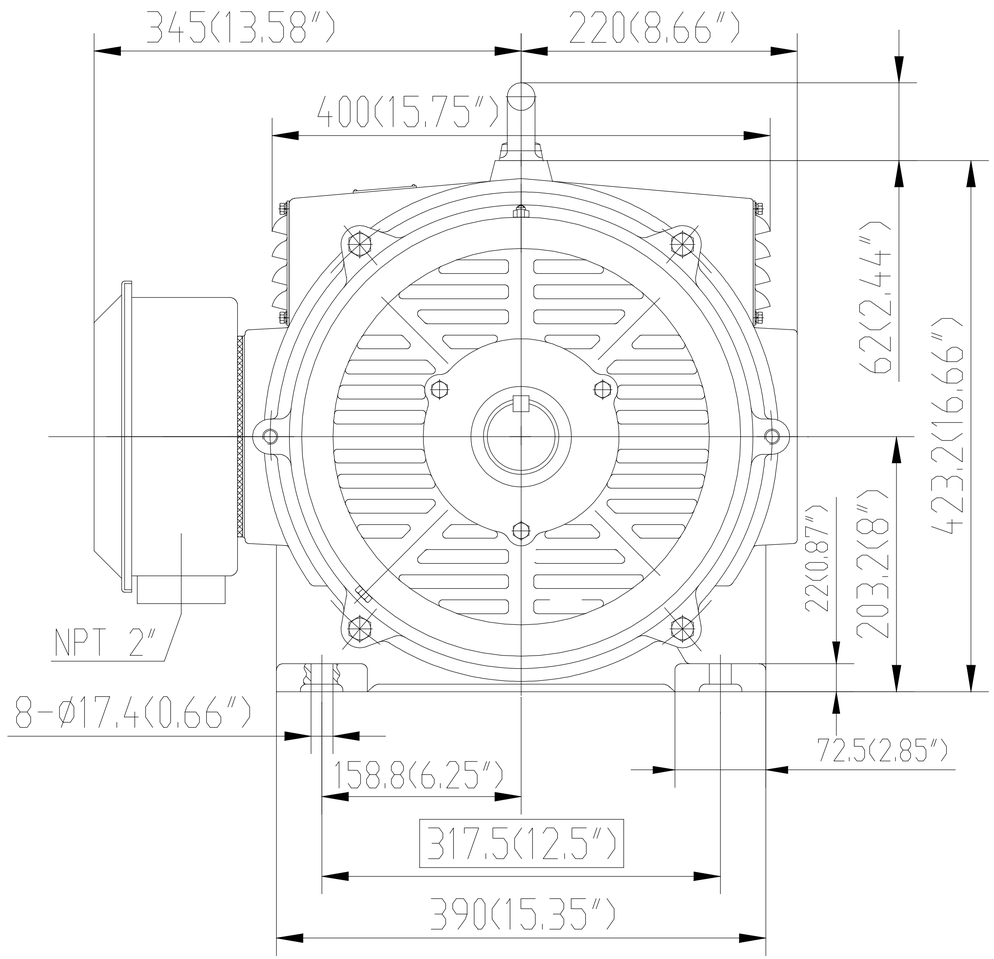
marathon® Motors

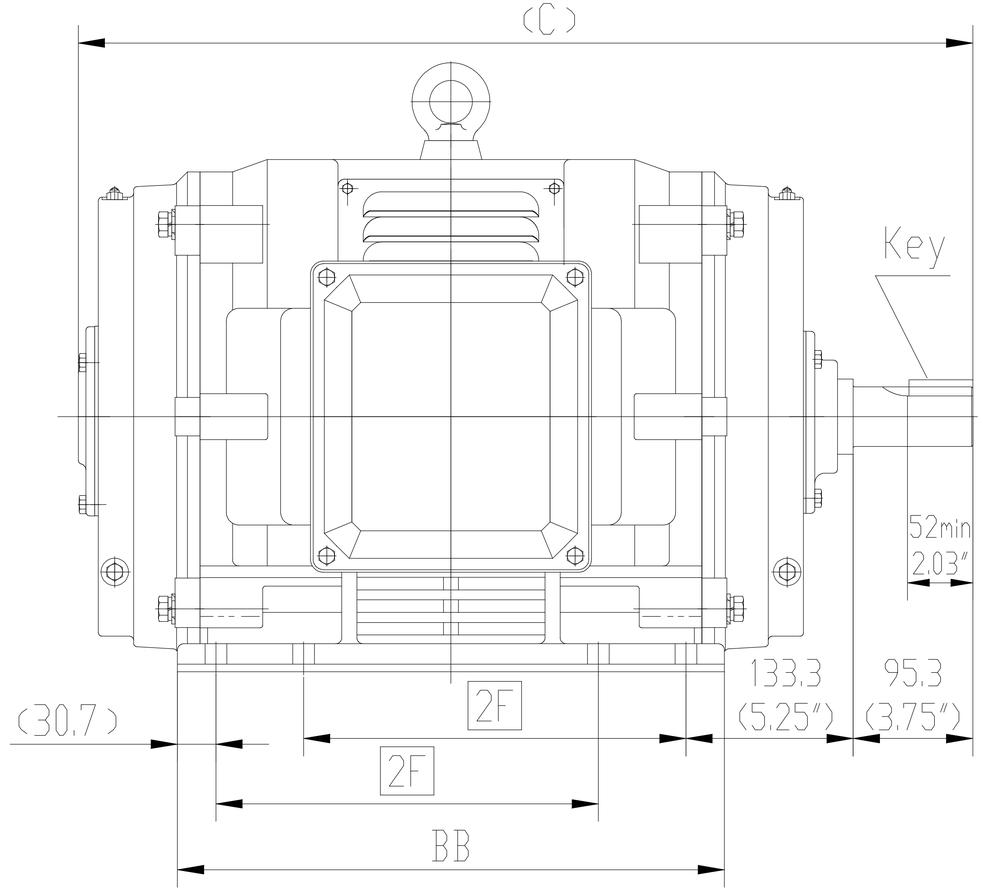
Nameplate Specifications

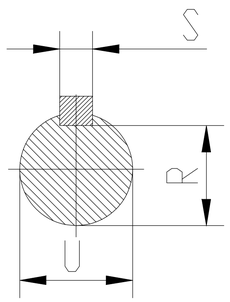
Phase	3	Output HP	60 Hp
Output KW	45.0 kW	Voltage	190/380-400 V
Speed	3565 rpm	Service Factor	1.15
Frame	326TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 %
Ambient Temperature	50 °C	Frequency	60 Hz
Current	165.0/82.5-77.5 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6212	Opp Drive End Bearing Size	6212
UL	Listed	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.138 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	28.23 in
Frame Length	15.74 in	Shaft Diameter	1.875 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	0232400025-326TS	Connection Drawing	EE7308AA



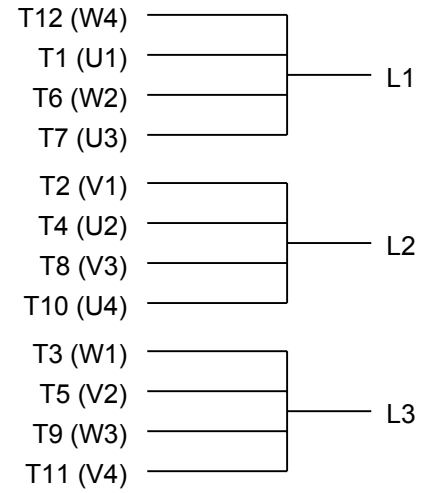




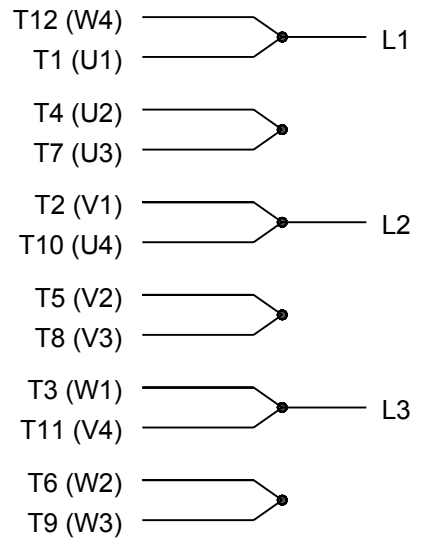
Frame Size	U	R	S	Key	2F	BB	C
324TS	Ø47.6(Ø1.875")	40.4(1.591")	12.7(0.5")	12.7X12.7X50.8 ($\frac{1}{2}$"X $\frac{1}{2}$"X 2")	266.7(10.5")	406(15.99")	687(27.05")
326TS					304.8(12")	436(17.17")	717(28.23")

DRAWING REVISION A	REVISION BY ZHU XIAOWEI	DATE 2016/12/21
ECO ECO-	APPROVED BY WANG YAN	DATE 2016/12/21
ECO DESCRIPTION: NEW DRAWING RELEASE		

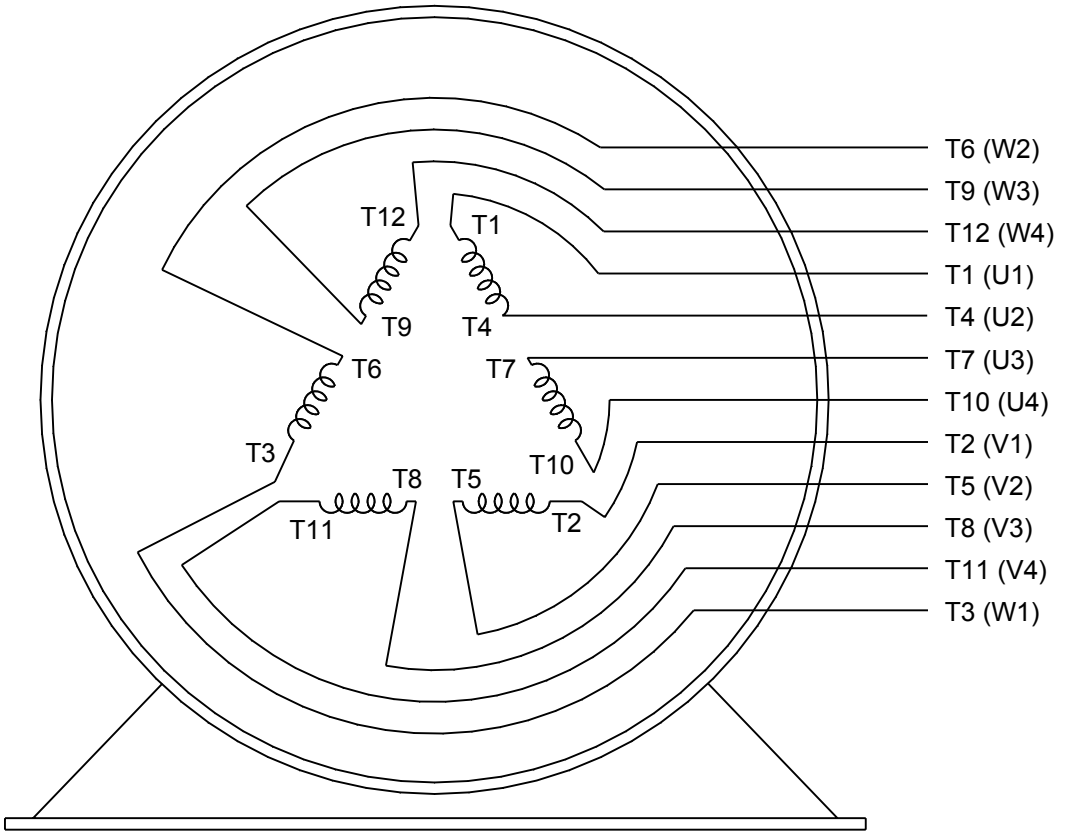
DRAWN BY ZHU XIAOWEI	Regal Beloit (Wuxi) Co., Ltd.	
DATE 2016/12/21		
APPROVED BY ZOU YUNHAI	DESCRIPTION: OUTLINE 320TS FR-DP FIRE PUMP	
DATE 2016/12/21		
REFERENCE	MATERIAL	PROCESS/FINISH
FIRST ANGLE PROJECTION	SIZE B / DRAWING NUMBER 0232400025	SHEET 1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION: K	REVISION BY: AJW	DATE: 07-17-2015		DRAWN BY: LZ	Regal Beloit America, Inc.
ECO: ECO-0081632	APPROVED BY: T. VUE	DATE: 07-17-2015		DATE: 01-12-1994	
ECO DESCRIPTION: REV'D IEC MARKINGS PER IEC 60034-8				APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-EXTERNAL
				DATE: 01-14-1994	3Ø-2/1 DELTA-12 LEADS
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7308AA / SHEET: 1 OF 1

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7308AA
OUTLINE: SS620744
WINDING: IE3L2002111 NONE 3
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 326TSTDCD4022
CAT #: U517A
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
60	45	3600	3565	326TS	DP	TDC	F	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	190/380	165/82.5	WS(LV ONLY) & YDRU	CONT	F	1.15	50	3300

F.L. EFF	93.0	3/4 LD EFF	93.0	1/2 LD EFF	92.4	GTD EFF	ELECT. TYPE
F.L. PF	89.0	3/4 LD PF	88.0	1/2 LD PF	83.0	91.7	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
88.5 LB-FT	466	132 LB-FT 149%	190 LB-FT 215%	45

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA	0.00 LB-FT²	250 LB-FT²	20 SEC.	2	0 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	RED (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6212	BALL 6212	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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
0.056	0.027	0.255	0.339	10.981	0.150	ODE

*
NOTES
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE HZ:
UL: NONE

PREPARED BY: FAREEDA DUDEKULA
DATE: 8/29/2018

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 12/13/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

326TSTDCD4022

Submittal

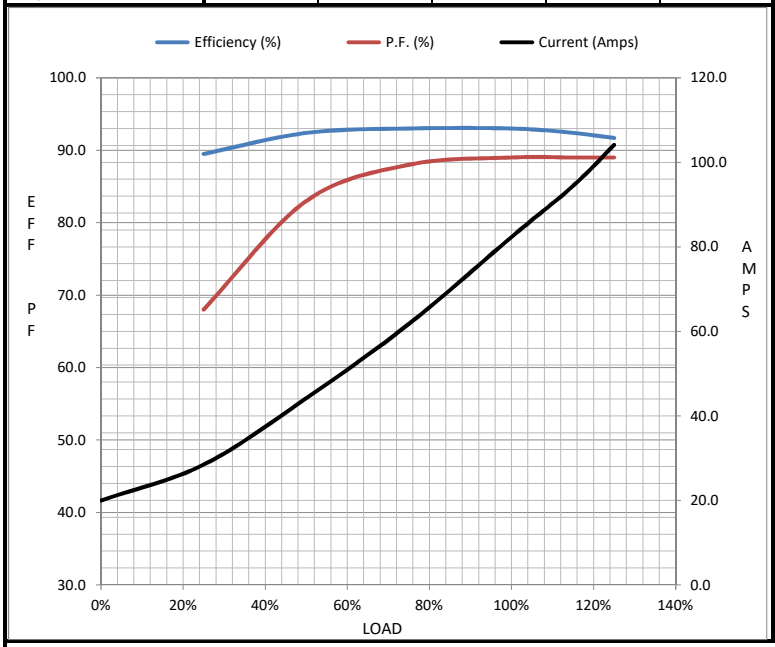
Data @ 380 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	20.0	28.5	44.2	61.7	82.3	94.4	104	466	
Torque (ft-lb)	0.00	22.0	44.0	66.0	88.5	102	111	132	
RPM	3600	3590	3582	3575	3565	3,558	3552	0	
Efficiency (%)		89.5	92.4	93.0	93.0	92.4	91.7		
P.F. (%)	8.5	68.0	83.0	88.0	89.0	89.0	89.0	33.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3450	3565	3600
Current (Amps)	466	393	272	82.3	20.0
Torque (ft-lb)	132	90.0	190	88.5	0.00



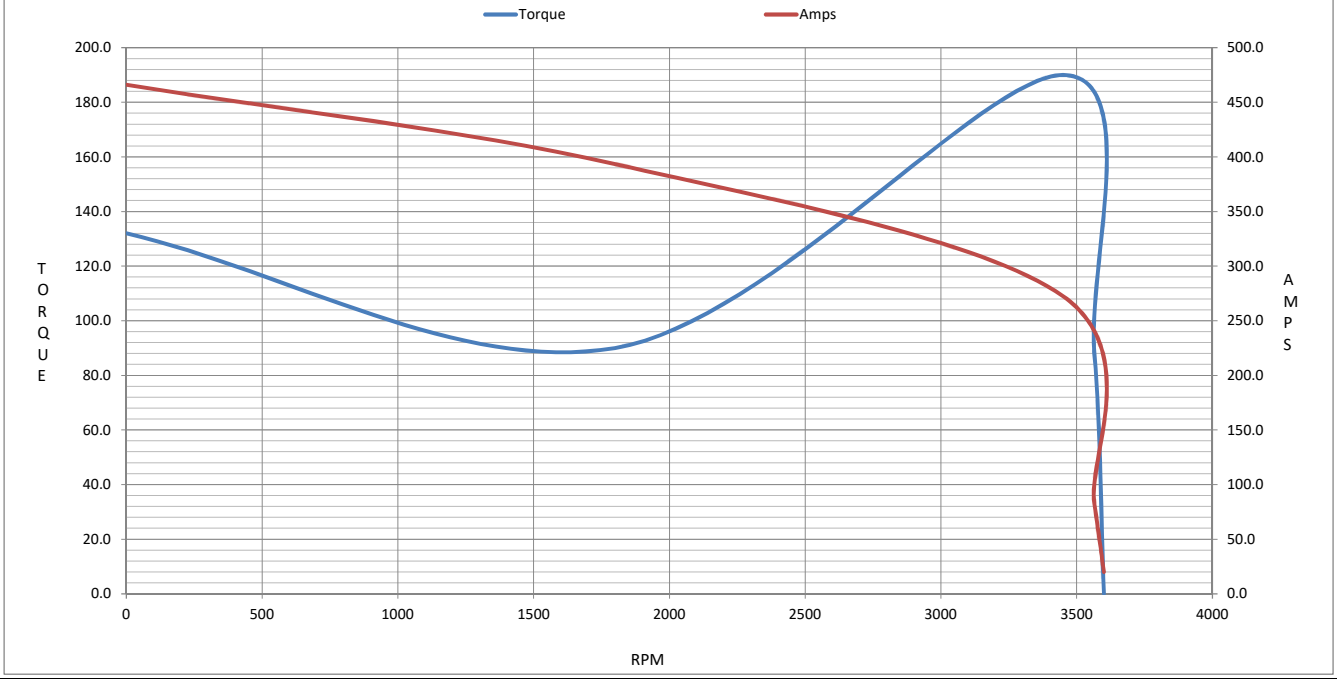
Information Block

HP	60.0	
Sync. RPM	3600	
Frame	326	
Enclosure	DP	
Construction	TDC	
Voltage	190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	F	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.00	Lb-Ft²
Ref Wdg	IE3L2002111 NONE	
Sound Pressure @ 1M	999	dBA
VFD Rating	NONE	
Outline Dwg	SS620744	
Conn. Diag	EE7308AA	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0560	0.0270	0.2550	0.3390	10.9810

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 : 326TSTDCD4022

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

Catalog No : U517A

Rework No : N/A

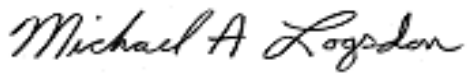
Directives :

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