

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 364TTFS9234

Catalog No: Y389

XRI®-SD Cooling Tower Motor, 50 & 12.50 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM,  
364T Frame, TEFC



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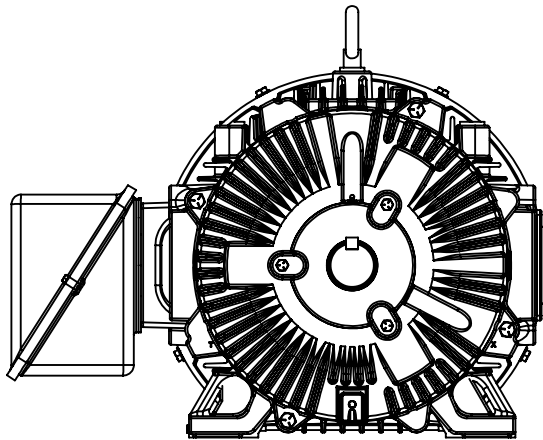
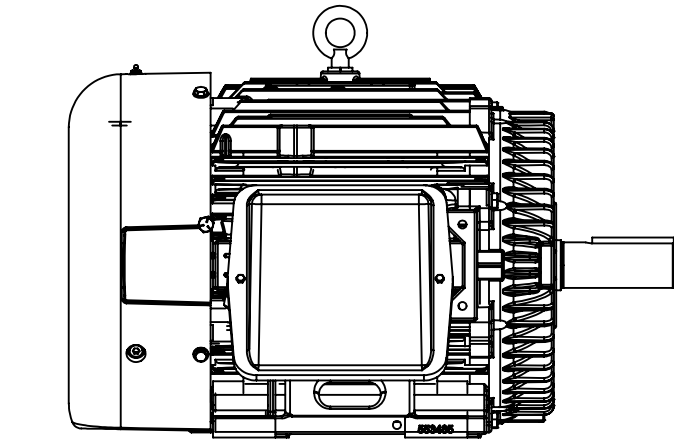
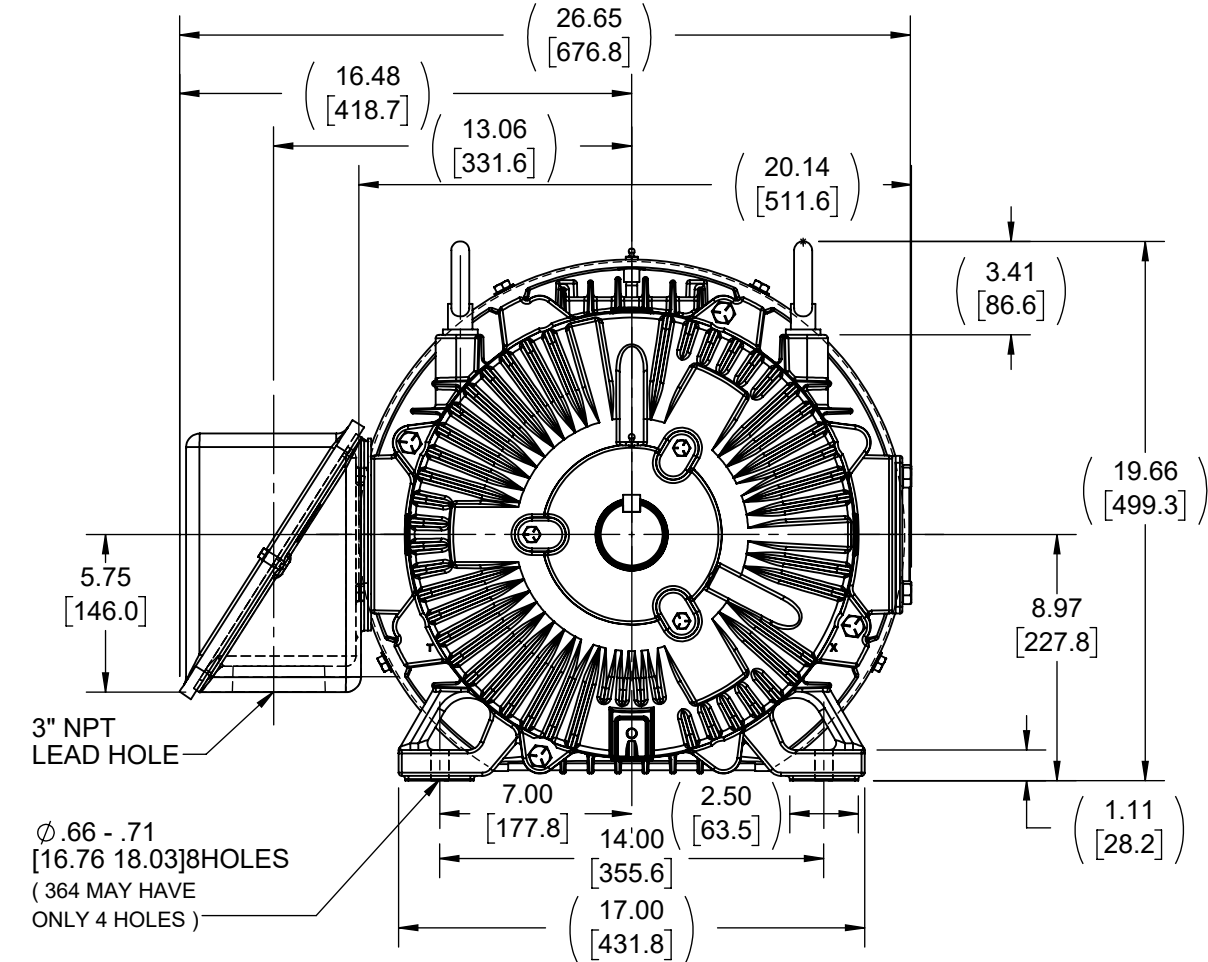
**RegalRexnord**

### Nameplate Specifications

Phase	3	Output HP	50 & 12.50 Hp
Output KW	37.0 & 9.3 kW	Voltage	460 & 460 V
Speed	1775 & 890 rpm	Service Factor	1.15 & 1.15
Frame	364T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	61 & 24 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	1VT	KVA Code	H
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	2		

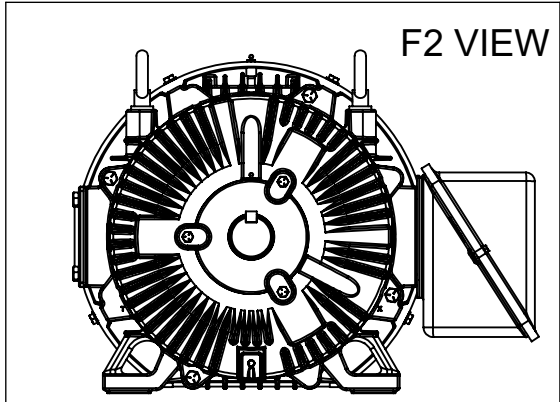
### Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4/8	Rotation	Reversible
Resistance Main	.12 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	31.51 in
Frame Length	13.50 in	Shaft Diameter	2.375 in
Shaft Extension	6.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS518180-1350	Connection Drawing	A-EE7322





NOTE:

1. ALTERNATE FRAME DRAWING.
2. MODELS USING ALTERNATE FRAME 553485A.



NOTES:  
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS

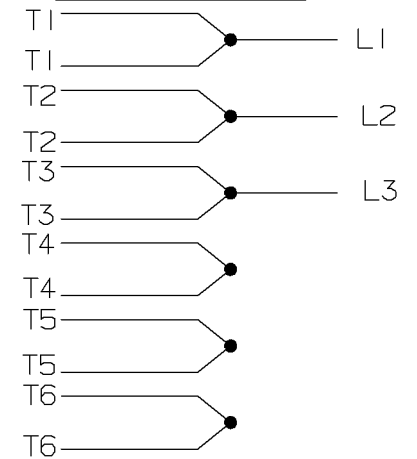
DASH	FRAME	B	C	2F	2FF	BS
1350	364T	13.25 [336.55]	31.52 [800.61]	11.25 [285.75]	---	5.62 [142.75]
1450	364/365T	14.25 [361.95]	32.52 [826.01]	11.25 [285.75]	12.25 [311.15]	2.38 [60.45]

DRAWING REVISION 4		REVISION BY MK		REV DATE/© DATE 6/28/2022		TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE				DRAWN BY DMT		<div>Regal Beloit America, Inc.</div>			
REQUEST NUMBER CR-0007552		APPROVED BY CHRIS		DATE 6/28/2022		.X ±0.1 [±3] .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]				DATE 01-23-2001					
REQUEST NUMBER DESCRIPTION OUTLINE DRAWING IS UPDATED WITH NEW FRAME.						REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [ .08/.38 ] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200 INCH mm ✓ mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY				APPROVED BY JHL		DESCRIPTION OUTLINE - TEFC/CEE 360T FR. - TAPPED LEAD HOLE - (STD)			
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						THIRD ANGLE PROJECTION				SIZE B	DRAWING NUMBER SS518180			SHEET 1 OF 1	

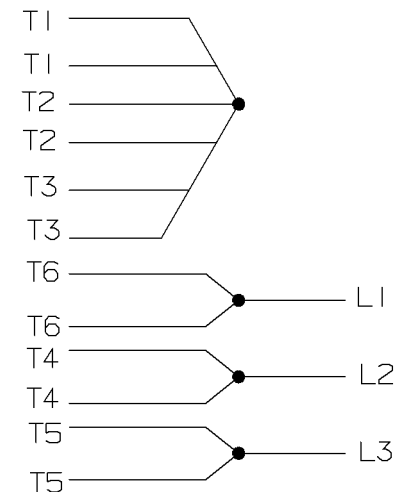
A- EE7322

FOR DUAL LEADS

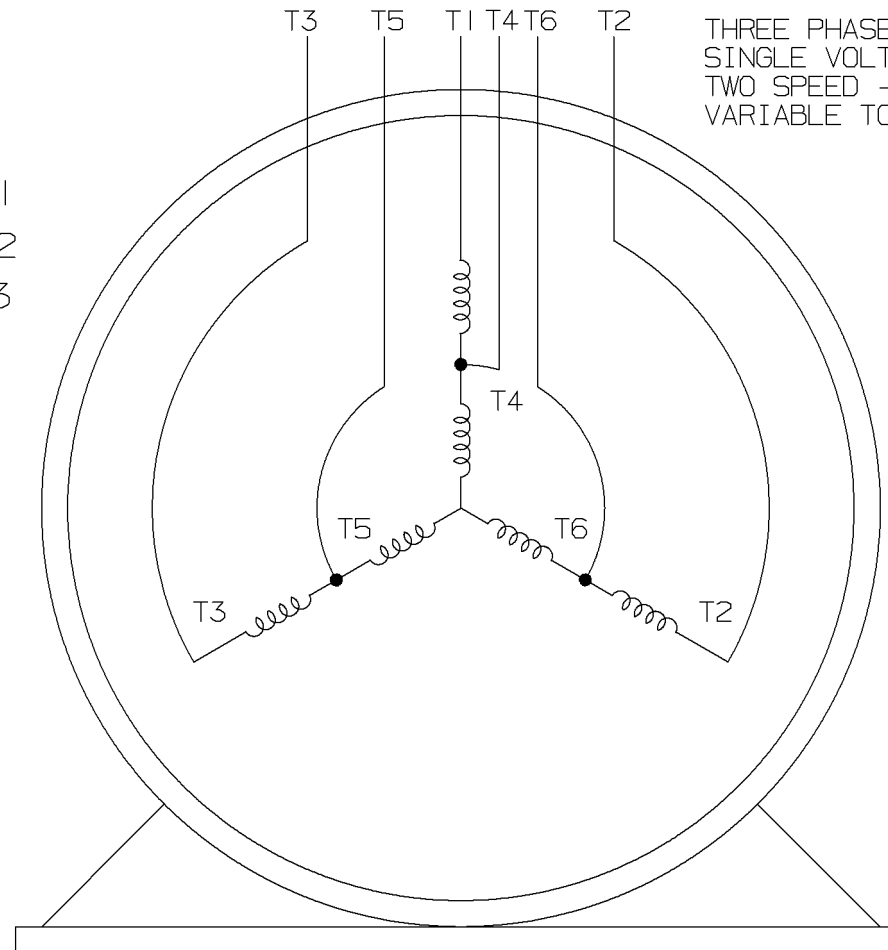
LOW SPEED



HIGH SPEED

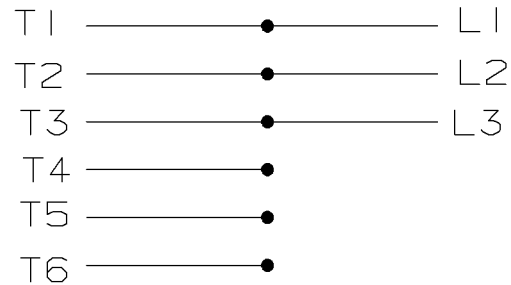


THREE PHASE MOTOR  
SINGLE VOLTAGE  
TWO SPEED - SGL. WDG.  
VARIABLE TORQUE

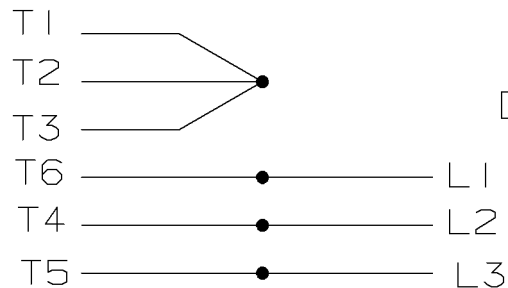


VIEW OF TERMINAL END

LOW SPEED




HIGH SPEED



T612C

T48B

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±                   XXX± .005           XXXX± .0005           ANGLES±			
				MATL SPEC			DRAWN BY PGK	12-26-1996
							CHKD BY ML	01-07-1997
				FINISH				
7	01-08-1997	REDRAWN ON CADD		PGK	REFERENCE DRW.	WAUSAU, WISCONSIN 54401		
		CN 24000-27			PART NAME CONNECTION DIAGRAM		DRWG NO	
REV	DATE	CHANGE		NAME	3Ø - SINGLE VOLTAGE - 2 SPEED		A- EE7322	

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE7322

## CERTIFICATION DATA SHEET

**Model#:** 364TTFS9234 AN  
**CONN. DIAGRAM:** A-EE7322  
**OUTLINE:** B-SS518180-1350

**WINDING#:** T364(4-8)27 NONE 1  
**ASSEMBLY:** F1/F2 CAPABLE

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&12 1/2	37&9.3	900	1775&890	364T	TEFC	H	1VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	61&24	ACROSS THE LINE	CONTINUOUS	F3	1.15/1.15	40	3300

FULL LOAD EFF: 92.4&87.5	3/4 LOAD EFF: 86.5	1/2 LOAD EFF: 83.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84&56	3/4 LOAD PF: 49	1/2 LOAD PF: 38.5	85	SQ CAGE IND RUN	16

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
74 LB-FT	90	110 LB-FT 149	145 LB-FT 196	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	14 LB-FT^2	- LB-FT^2	- SEC.	-	825 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6314	6312	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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 PPR		
	BRAKE: NONE NONE		
	NONE P/N NONE		
	NONE NONE		
	- FT-LB	NONE V	NONE Hz

DATE: 06/21/2017 08:33:44 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

460

Volts

 HP 50&12.5

 PHASE 3

 Model No 364TTFS9234
60

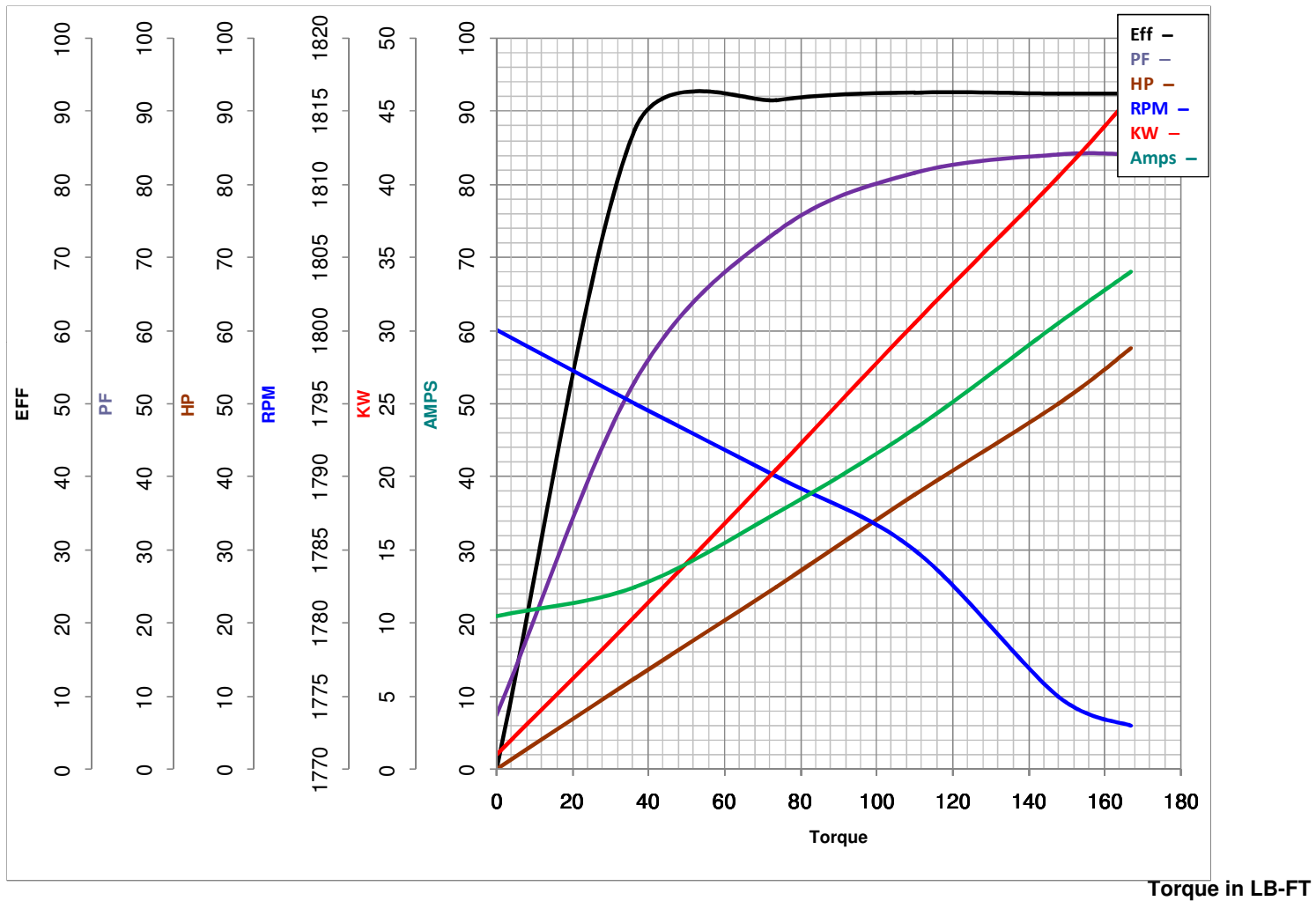
HZ

 VOLTS 460&460
50

HP

 Catalog No Y389

 HZ 60&60

 RPM 1775&890


FL TORQUE 148 LB-FT  
 BD TORQUE 417.0 LB-FT  
 LR TORQUE 294 LB-FT

FL AMPS 61  
 PU TORQUE 263.0 LB-FT  
 LR AMPS 411

WINDING T364(4-8)27-1

Date 1/17/2019

## 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 : 364TTFS9234

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

Catalog No : Y389

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**