PRODUCT INFORMATION PACKET

Model No: 447TTDCD6086
Catalog No: GT00021
Globetrotter® General Purpose Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1200 & 1000 RPM, 447T Frame, DP

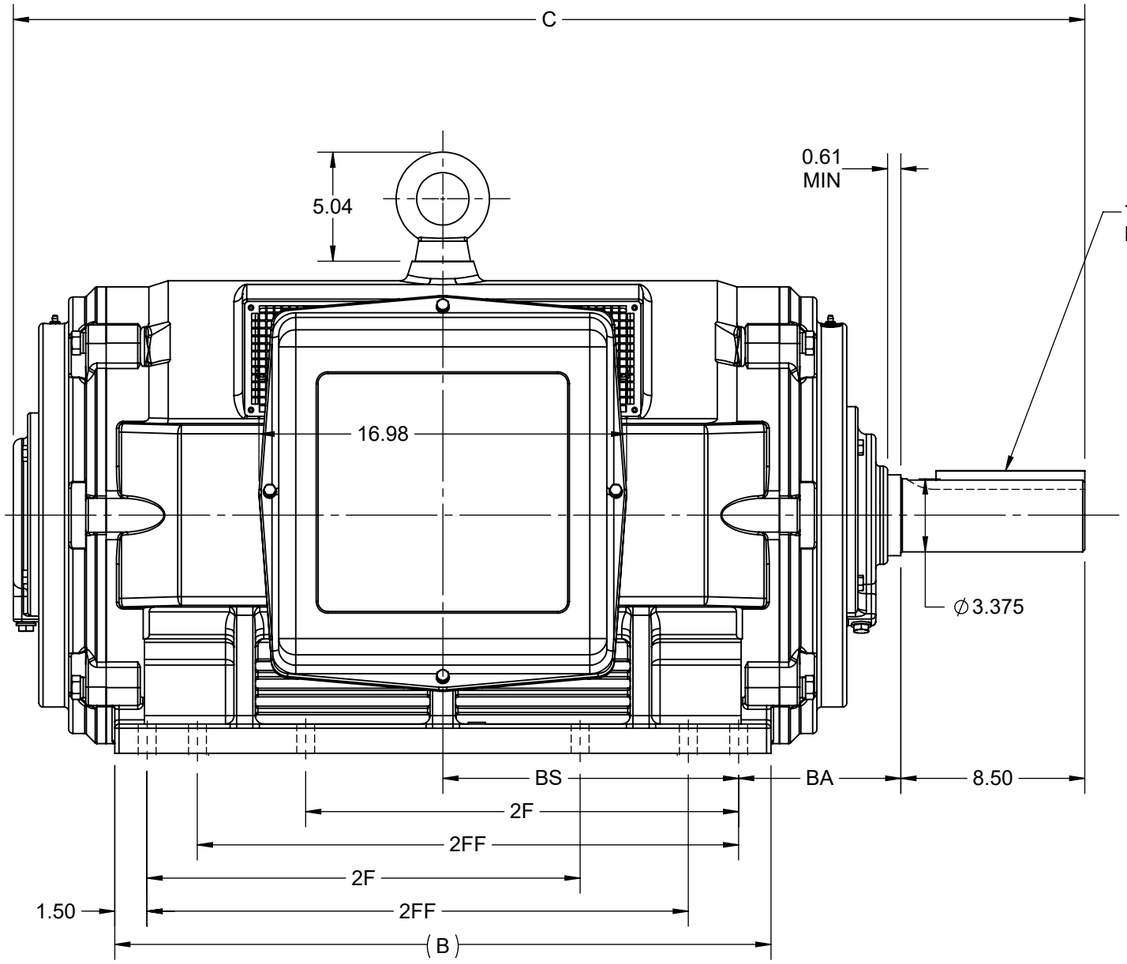
Nameplate Specifications

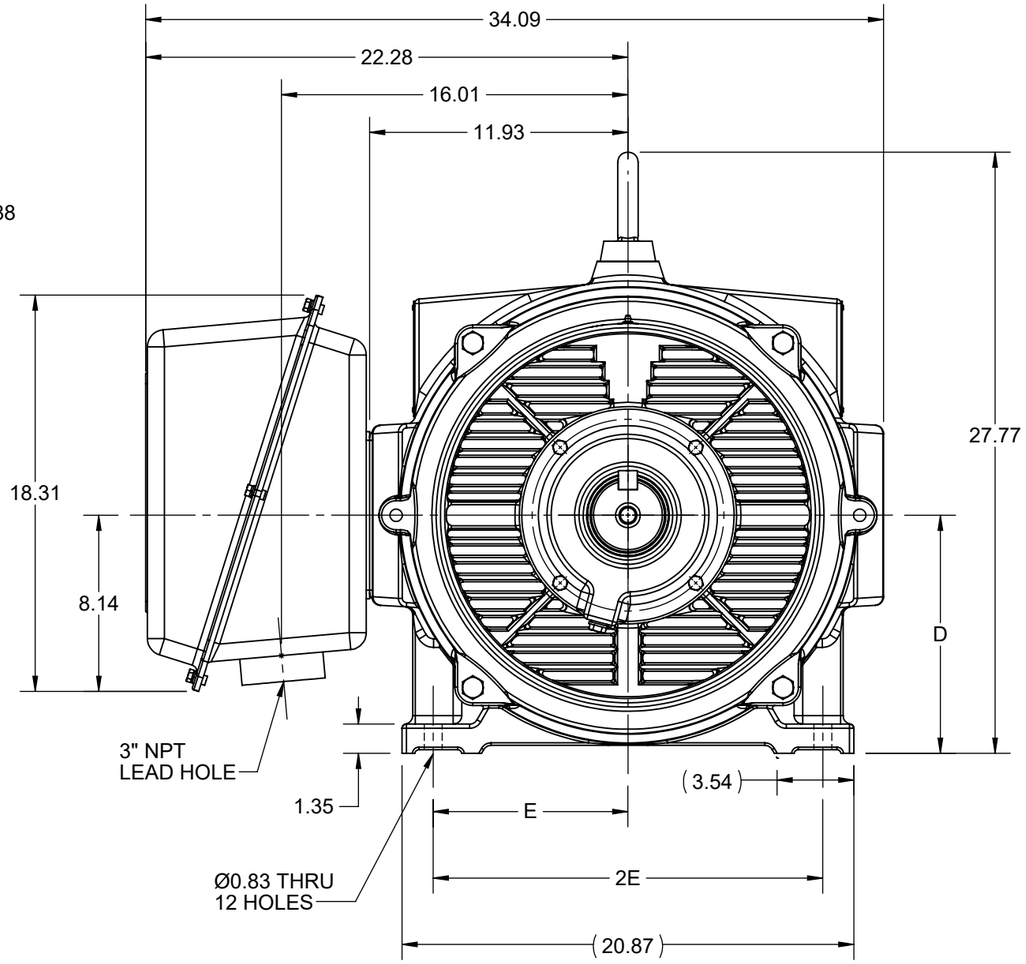
Phase	3	Output HP	250 & 200 Hp
Output KW	187.0 & 149.0 kW	Voltage	460 & 380 V
Speed	1188 & 989 rpm	Service Factor	1.15 & 1.15
Frame	447T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.8 & 95.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	290 & 280 A	Power Factor	85.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

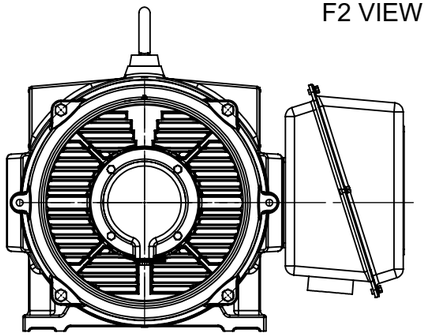
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.02 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	3.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Connection Drawing	EE7300BH	Outline Drawing	SS620758-200

DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	25.20	44.39	11.00	9.00	18.00	14.50	16.50	7.50	11.10	F1 OR F2	444/445T
200	30.31	49.50				20.00	25.00		13.66		447/449T





F2 VIEW

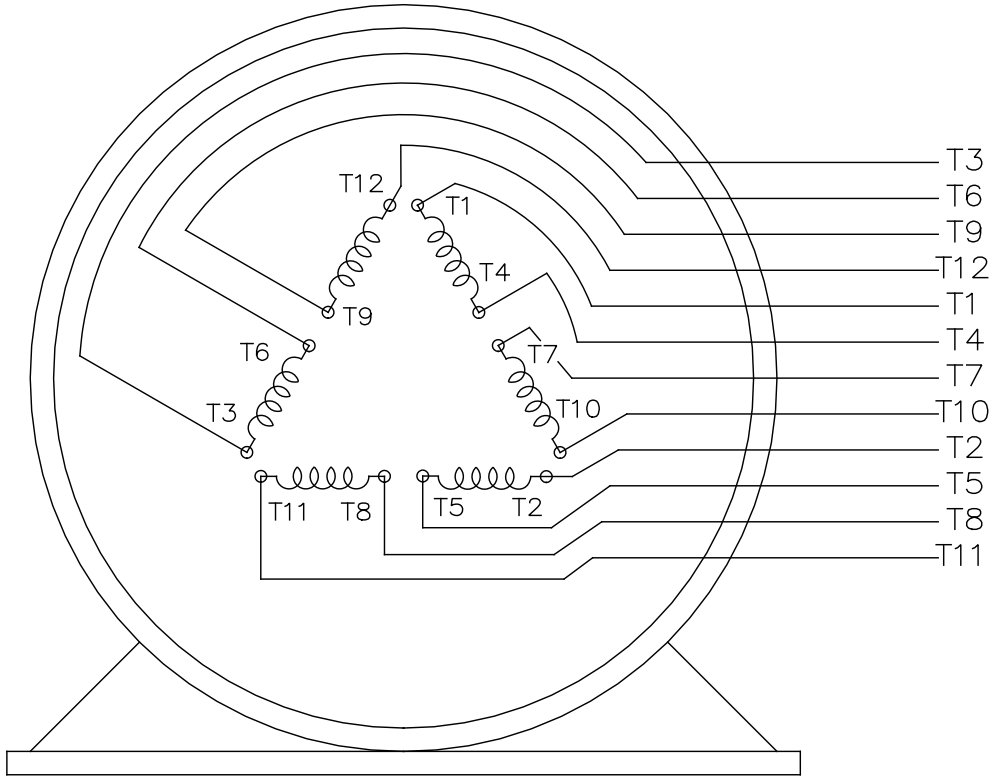


DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	RAM	09/02/2022
REQUEST NUMBER	APPROVED BY	DATE
CR-0006851	SBD	09/02/2022

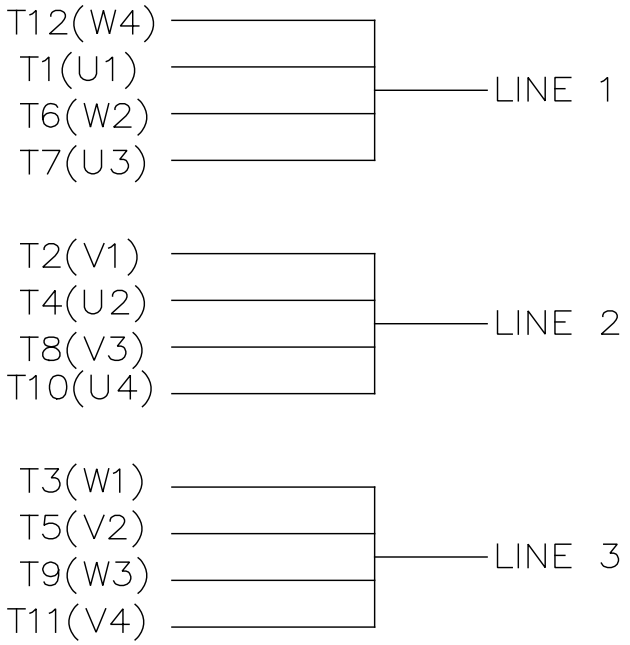
REQUEST NUMBER DESCRIPTION
VIEWS UPDATED AS PER 3D

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	Regal Rexnord — Regal Beloit America, Inc.
ZXW	
DATE	
21/07/2016	
APPROVED BY	DESCRIPTION
	OUTLINE
DATE	444/445/447/449T FR NEMA ODP CAST IRON
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS620758 / SHEET 1 OF 1



VIEW OF TERMINAL END



				TOLERANCES UNLESS SPECIFIED				
				DEC.	INCHES	REGAL - BELOIT CORPORATION		DRAWN RJW 02–11–2005
				.X	±.1			CHK ML 02–11–2005
				.XX	±.02			APPD GK 02–11–2005
				.XXX	±.005	TITLE CONNECTION DIAGRAM 12 LEAD– SINGLE VOLTAGE		SCALE
D	CHANGED TO REGAL TITLE BLOCK ECO–0108299	WGJ 08/22/2016	EMH	.XXX	±.005			REF
1	ADDED IEC TERMINAL MARKINGS CN 41429	JJB 05/24/2007	ML	.XXXX	±.0005	MAT'L.		FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH		PREV

RFP 02–11–2005
DIST LB
CAD FILE ee7300bh

SIZE	DRAWING NO. PAGE OF	REV.
A	EE7300BH	C

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7300BH
OUTLINE: SS620758-447T
WINDING: HA32806027 NONE 1
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 447TTDCD6086
CAT #: GT00021
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
250	187	1200	1188	447T	DP	TDC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	460#380	290&280	PWS & YDRUN	CONT	F	1.15	40	3300

F.L. EFF	95.4	3/4 LD EFF	95.9	1/2 LD EFF	95.8	GTD EFF	ELECT. TYPE
F.L. PF	85.5	3/4 LD PF	83.5	1/2 LD PF	77.0	95.0	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
1,105 LB-FT	1,810	2,300 LB-FT 208%	2,375 LB-FT 215%	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX. MOTOR WGT
78 dBA	87 dBA	122 LB-FT²	2600 LB-FT²	20 SEC.	2	2650 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	YES	RODENT	BLUE (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6319	6317						

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
0.012	0.009	0.087	0.16	2.834	0.150	ODE

*
NOTES
*

INVERTER TORQUE: VARIABLE 10:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

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

PREPARED BY:
DATE: 12/24/2020

UL: V - LI,ME-INS,CONST UL REC

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 12/24/2020
Customer:
Attention:
Submitted by:

marathon® Motors

447TTDCD6086

Submittal

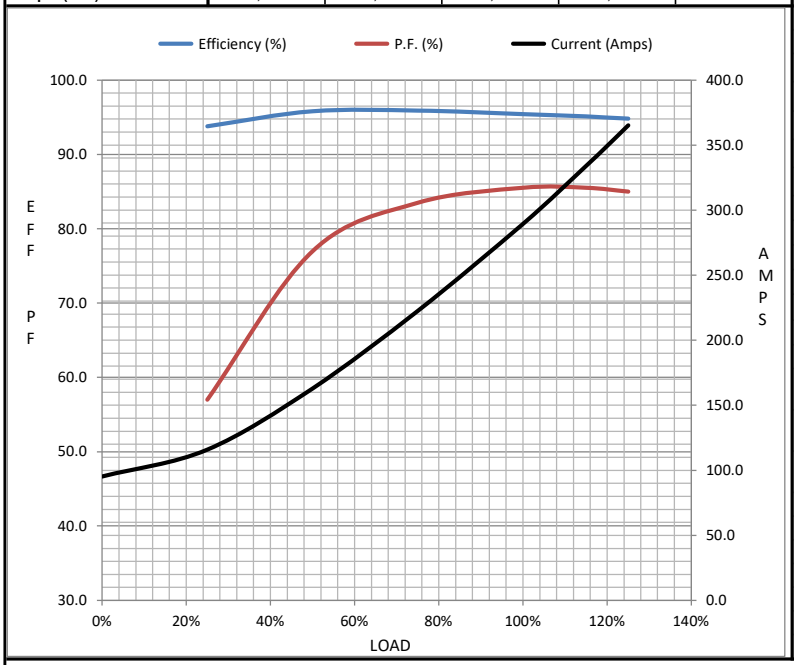
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	95.1	116	163	223	290	334	365	1,810	
Torque (ft-lb)	0.00	274	550	827	1,105	1,273	1,386	2,300	
RPM	1200	1197	1195	1192	1188	1,186	1185	0	
Efficiency (%)		93.8	95.8	95.9	95.4	95.1	94.8		
P.F. (%)	4.0	57.0	77.0	83.5	85.5	85.5	85.0	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1145	1188	1200
Current (Amps)	1,810	1,450	890	290	95.1
Torque (ft-lb)	2,300	1,930	2,375	1,105	0.00

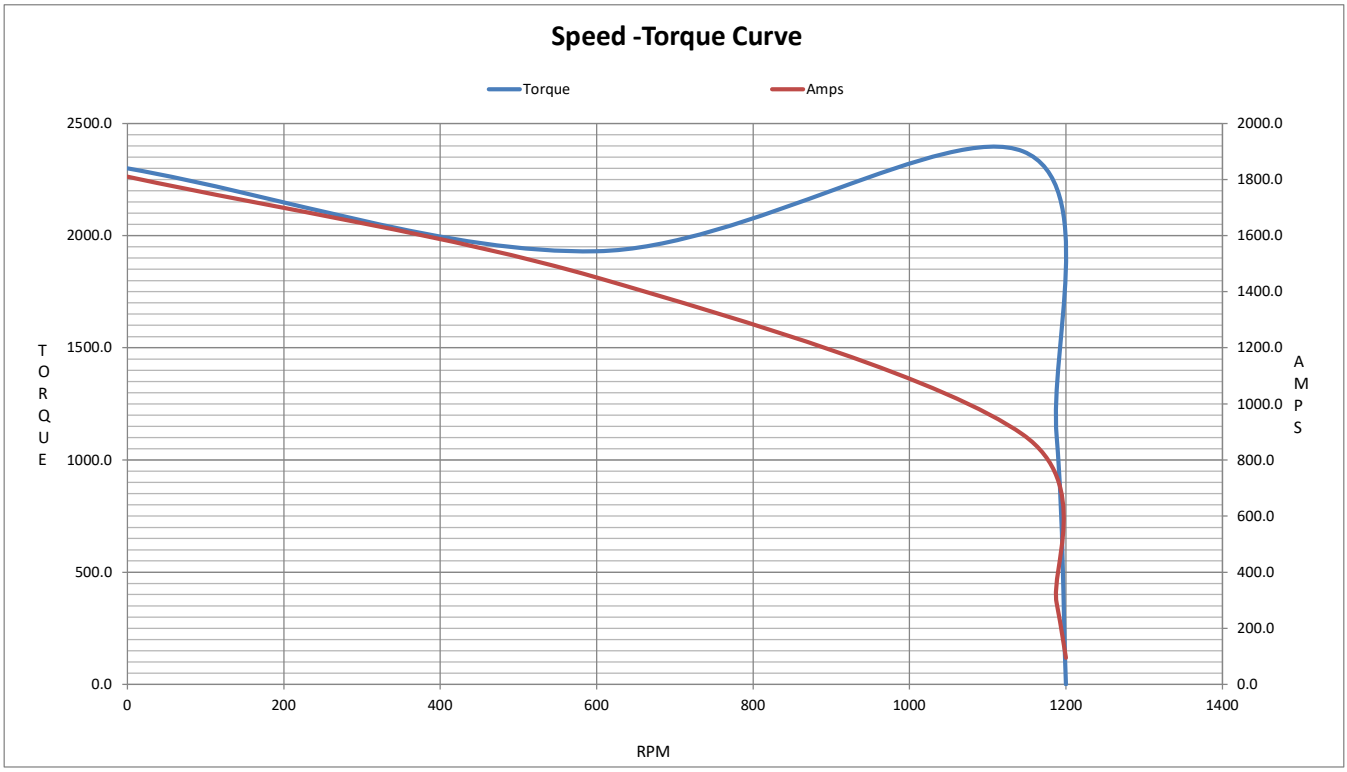


Information Block

HP	250.0	
Sync. RPM	1200	
Frame	447	
Enclosure	DP	
Construction	TDC	
Voltage	460#380	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	70	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	122	Lb-Ft²
Ref Wdg	HA32806027 NONE	
Sound Pressure @ 1M	78	dBA
VFD Rating	VARIABLE 10:1	
Outline Dwg	SS620758-447T	
Conn. Diag	EE7300BH	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0120	0.0090	0.0870	0.1600	2.8340



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 : 447TTDCD6086

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

Catalog No : GT00021

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