PRODUCT INFORMATION PACKET

Model No: 184TTDBD6013
Catalog No: GT2515A
Globetrotter® Close-Coupled Pump Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 184JP Frame, DP

marathon® Motors

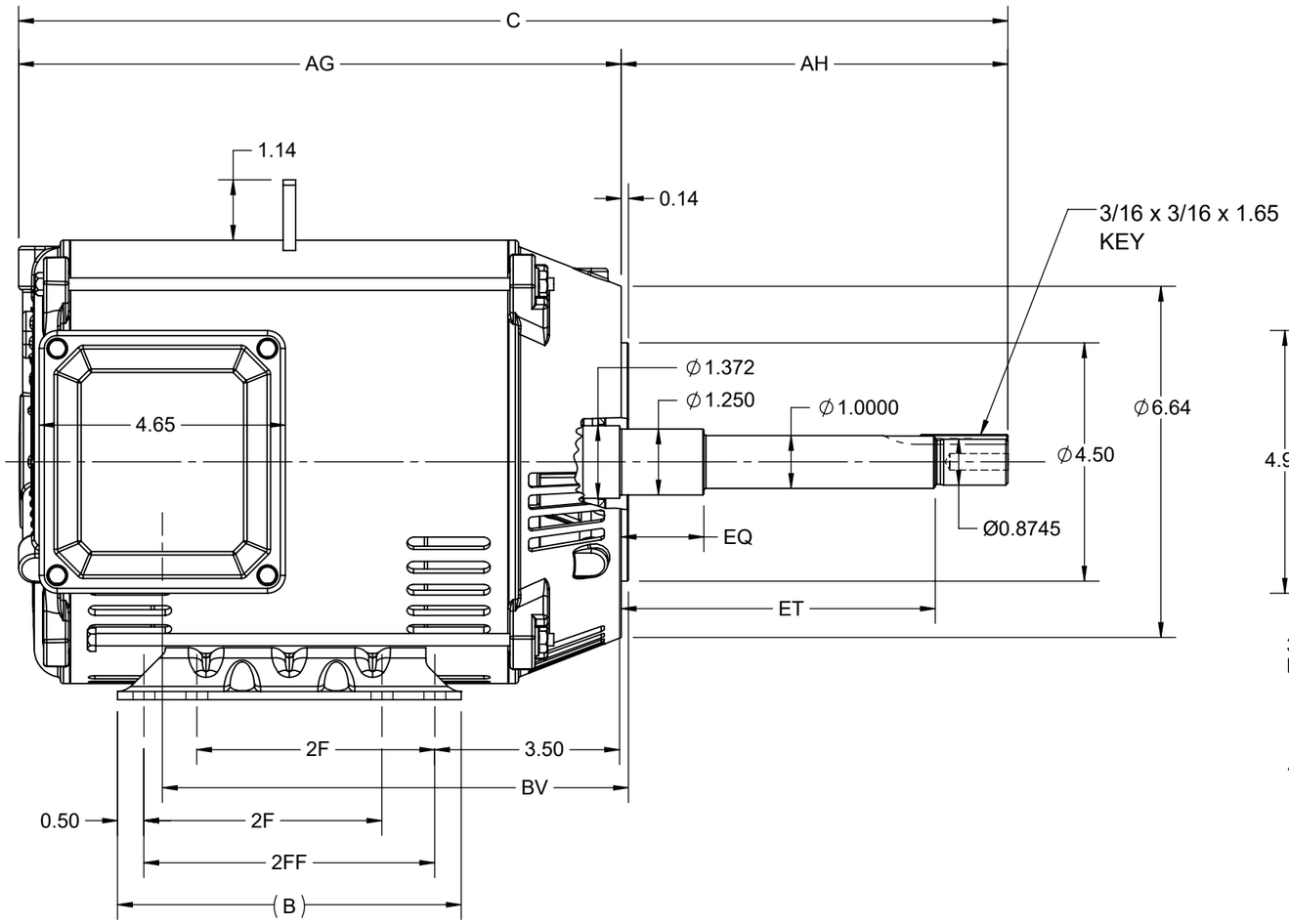
Nameplate Specifications

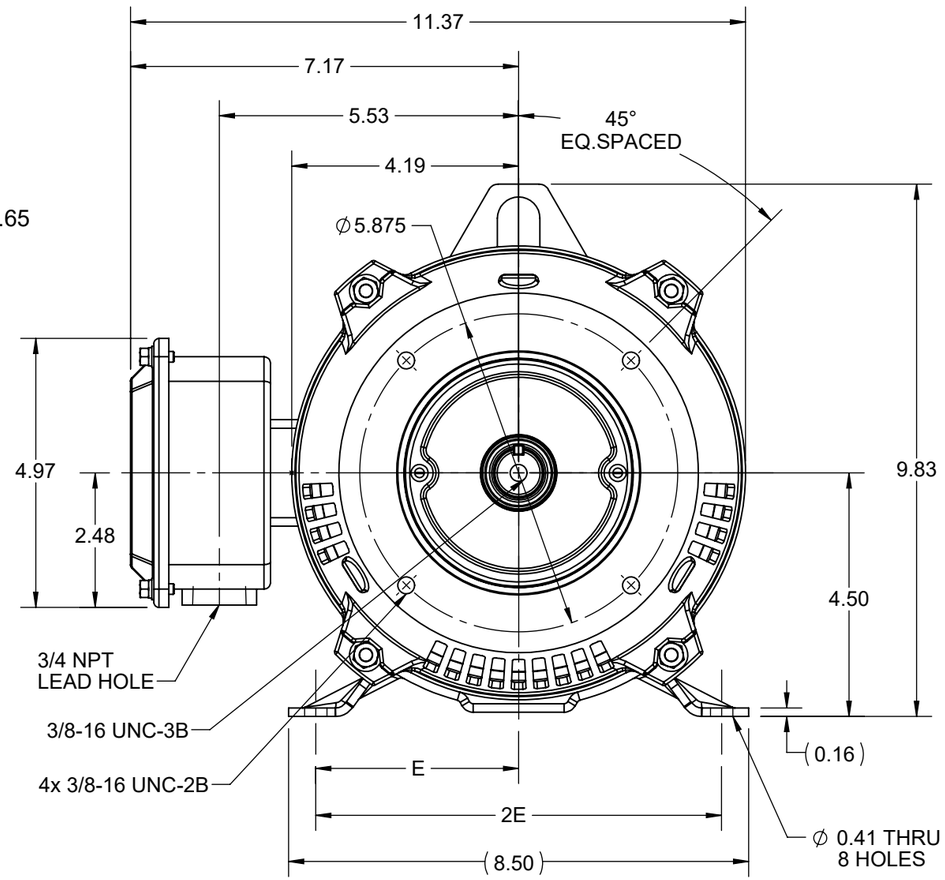
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	575 V
Current	7.4 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	J
Frame	184JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

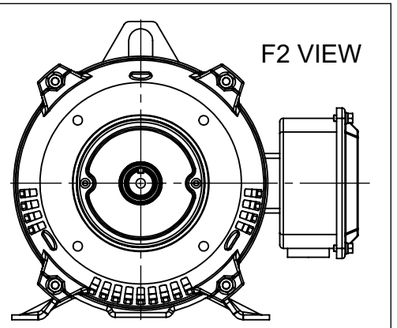
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	2.455 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Shaft Diameter	0.874 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS600205-200

DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BV	EQ	ET	MOUNTING	FRAME
100	6.50	17.70	3.75	7.50	4.50	5.50	10.39	7.31	8.81	1.56	5.93	F1 OR F2	182JP
200		18.70					11.39						184JP







DRAWING REVISION: B	REVISION BY: ASHOK N	REV DATE/© DATE: 15/02/2021
ECO: CR-0001098	APPROVED BY: GNK	DATE: 15/02/2021
ECO DESCRIPTION: DRAWING UPDATED		

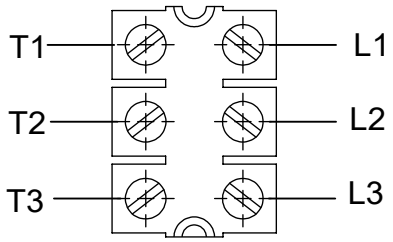
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

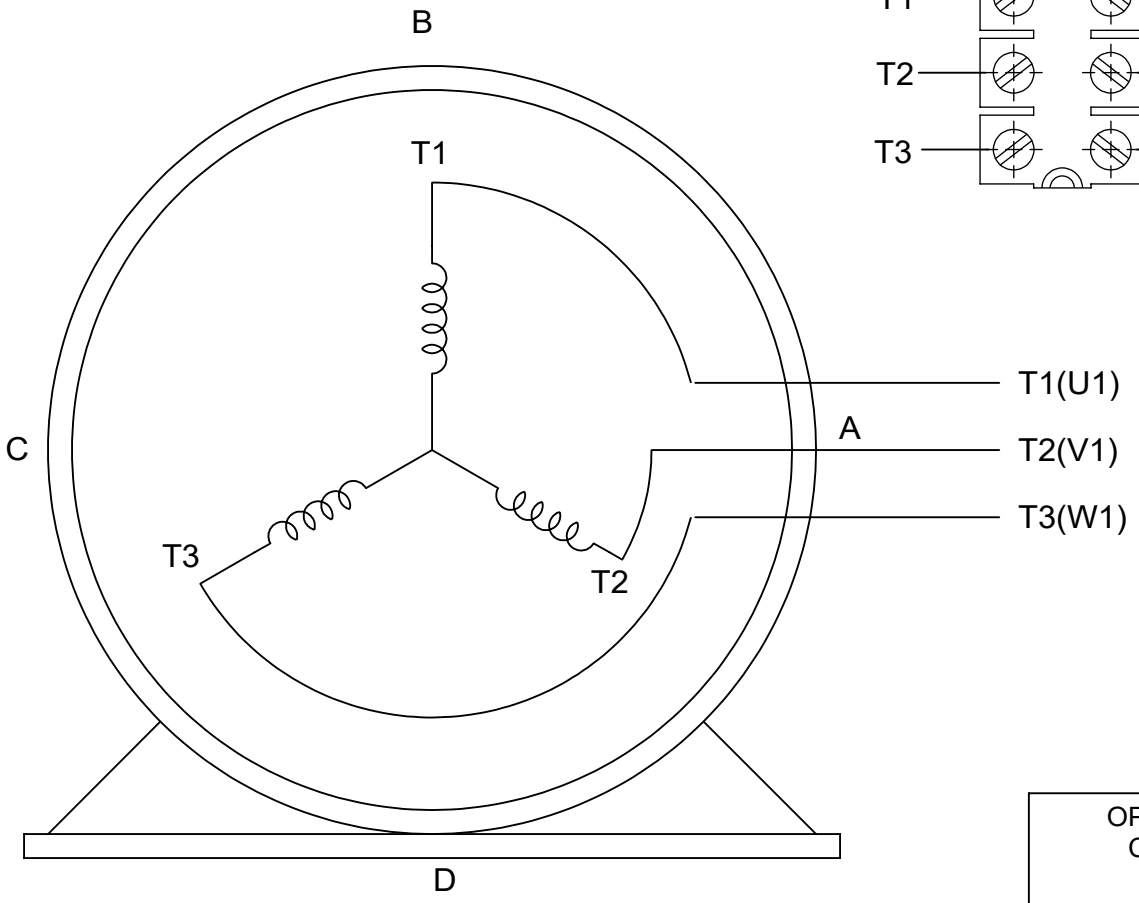
DRAWN BY: MSH	Regal Beloit America, Inc.	
DATE: 18/04/2018		
APPROVED BY: SBD	DESCRIPTION: OUTLINE 182/184JP FR-NEMA-ODP-RS	
DATE: 18/04/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS600205	SHEET: 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

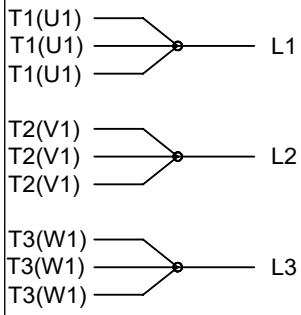
TERMINAL BLOCK WHEN SPECIFIED



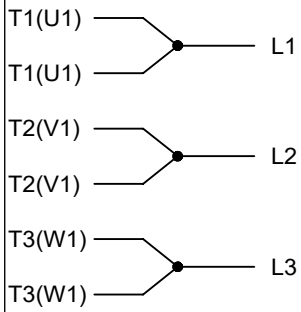


VIEW OF TERMINAL END

IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AC	REVISION BY BS	REV DATE/© DATE 26/07/2022	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY DA	Regal Rexnord — Regal Beloit America, Inc.
REQUEST NUMBER CR-0010402	APPROVED BY SN	DATE 26/07/2022		DATE 03-26-1993	
REQUEST NUMBER DESCRIPTION DRAWING UPDATED				APPROVED BY TB	DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
				DATE 03-26-1993	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE A / DRAWING NUMBER EE7300 / SHEET 1 OF 1

marathon electric

CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7300

MODEL #: 184TTDBD6013 AA

OUTLINE: SS600205-184JP

MOUNTING: F1/F2 CAPABLE

WINDING #: HE31122019 2

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	3600	3510	184JP	DP	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	7.1	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

FULL LOAD EFF:	88.5	3/4 LOAD EFF:	89.5	1/2 LOAD EFF:	88.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	89	3/4 LOAD PF:	85	1/2 LOAD PF:	76	87.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.2 LB-FT	48	21.8 LB-FT 195 %	30.8 LB-FT 275 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
71 dBA	81 dBA	0.3 LB-FT^2	15 LB-FT^2	10 SEC.	2	70 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	PROVISIONS ONLY	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6307	6205						

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

INVERTER
TORQUE: CONSTANT 2:1/VARIABLE 10:1
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

NOTES

Data Sheet

Date: 12/1/2021
Customer:
Attention:
Submitted by:

marathon® Motors

184TTDBD6013

Submittal

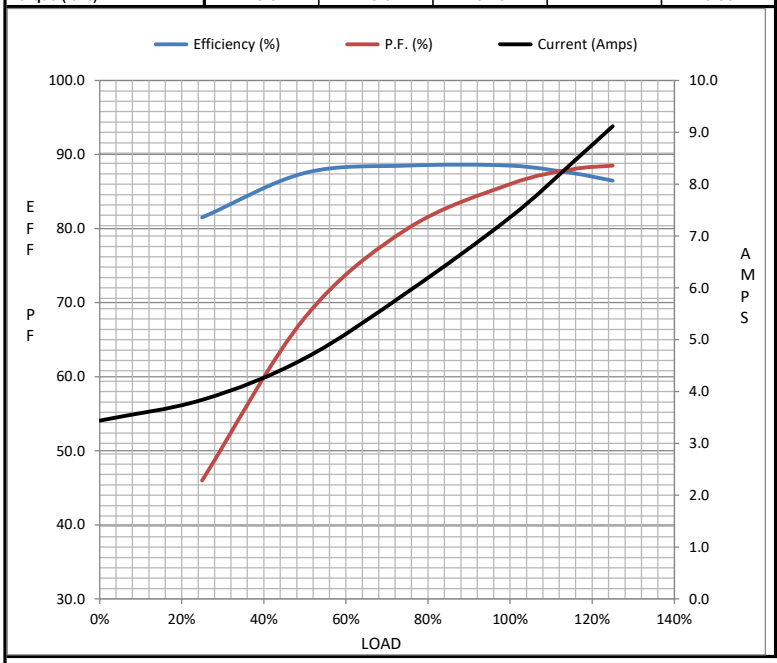
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.4	3.8	4.6	5.9	7.4	8.4	9.1	52.8	
Torque (ft-lb)	0.00	2.75	5.5	8.4	11.2	13.0	14.2	23.0	
RPM	3600	3575	3555	3535	3510	3,495	3485	0	
Efficiency (%)		81.5	87.5	88.5	88.5	87.5	86.5		
P.F. (%)	8.0	46.0	68.0	80.0	86.0	88.0	88.5	59.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2925	3510	3600
Current (Amps)	52.8	48.0	32.0	7.4	3.4
Torque (ft-lb)	23.0	18.0	34.0	11.2	0.00



Information Block

HP	7.5	
Sync. RPM	3600	
Frame	184	
Enclosure	DP	
Construction	TDB	
Voltage	575	V
Frequency	60	Hz
Design	A	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	50	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.30	Lb-Ft²
Ref Wdg	HA31122025 NONE	
Sound Pressure @ 1M	71	dBA
VFD Rating	VARIABLE 20:1	
Outline Dwg	SS600205-200	
Conn. Diag	EE7300	

Additional Specifications:

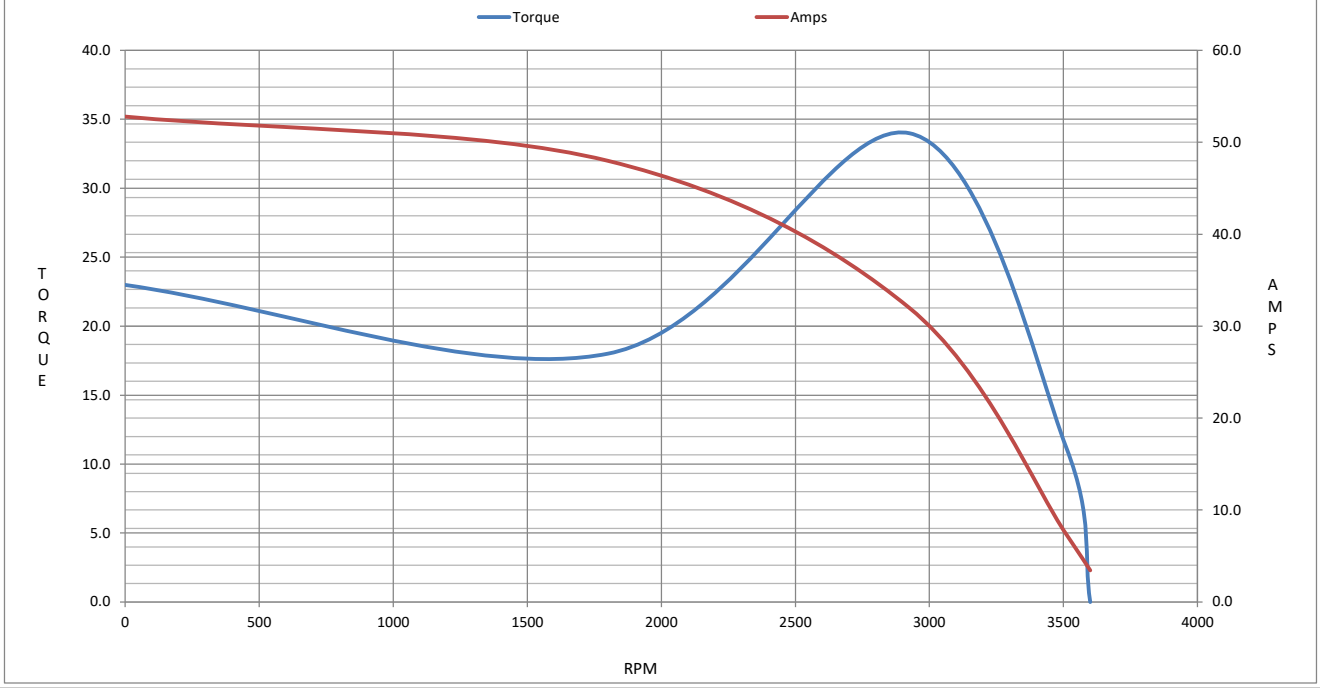
0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
2.2150	1.1810	4.5770	1.8310	105.1310

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 : 184TTDBD6013

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

Catalog No : GT2515A

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