

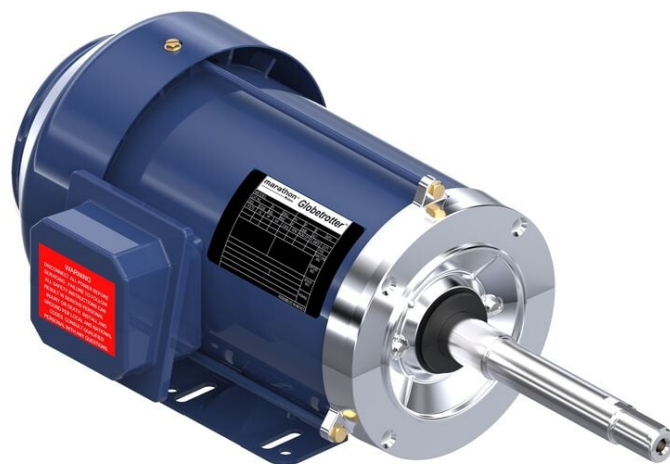
PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 145TTFBD6037

Catalog No: GT3404A

Globetrotter® Close-Coupled Pump Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 145JP Frame, TEFC



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RegalRexnord

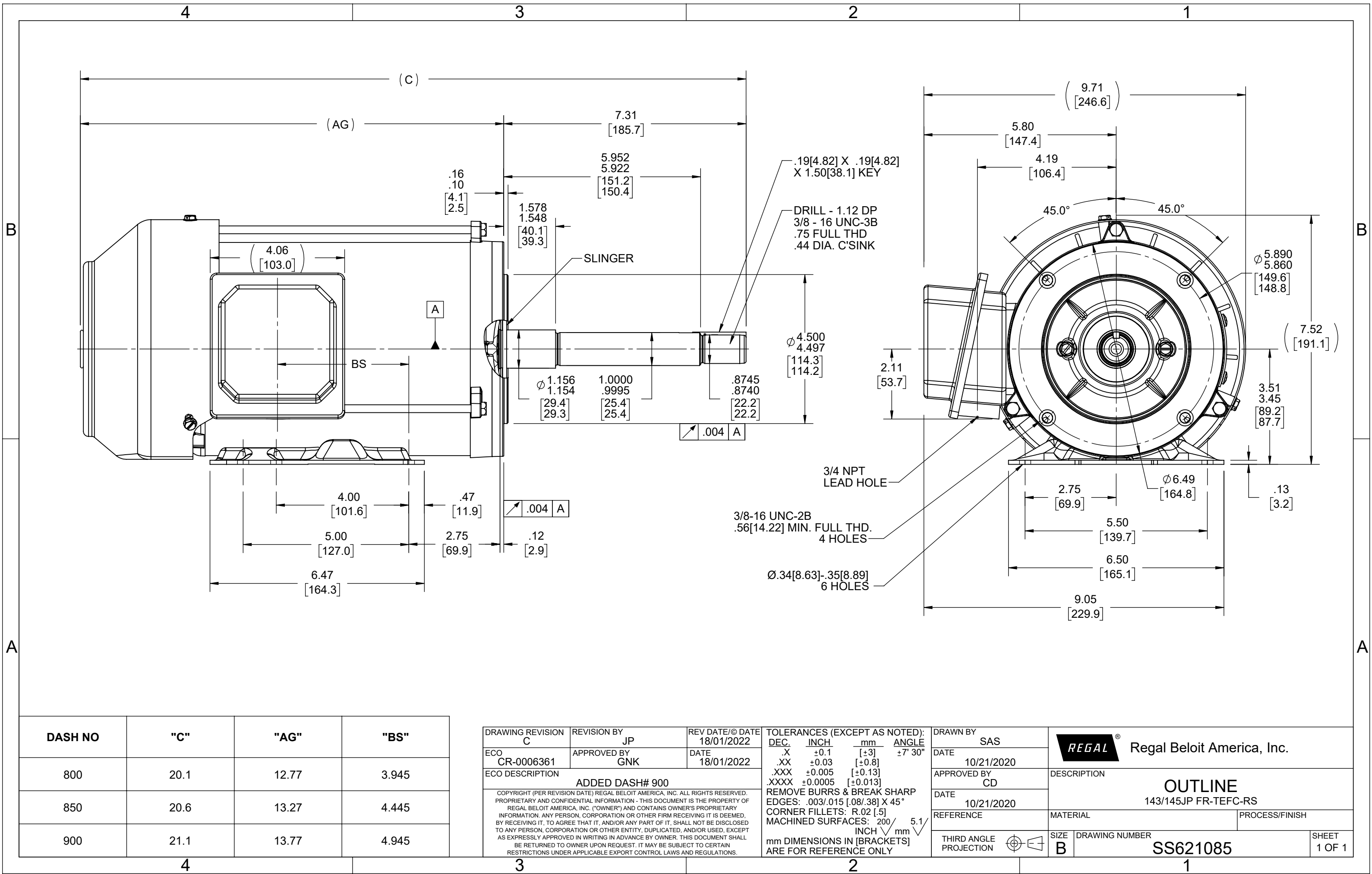
Nameplate Specifications

Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 190/380 V
Speed	1750 & 1455 rpm	Service Factor	1.15 & 1.0
Frame	145JP	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 82.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4.4/2.2 & 4/2 A	Power Factor	76
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Listed	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	9.75 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Shaft Diameter	0.875 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Outline Drawing	SS621085-800	Connection Drawing	EE7308

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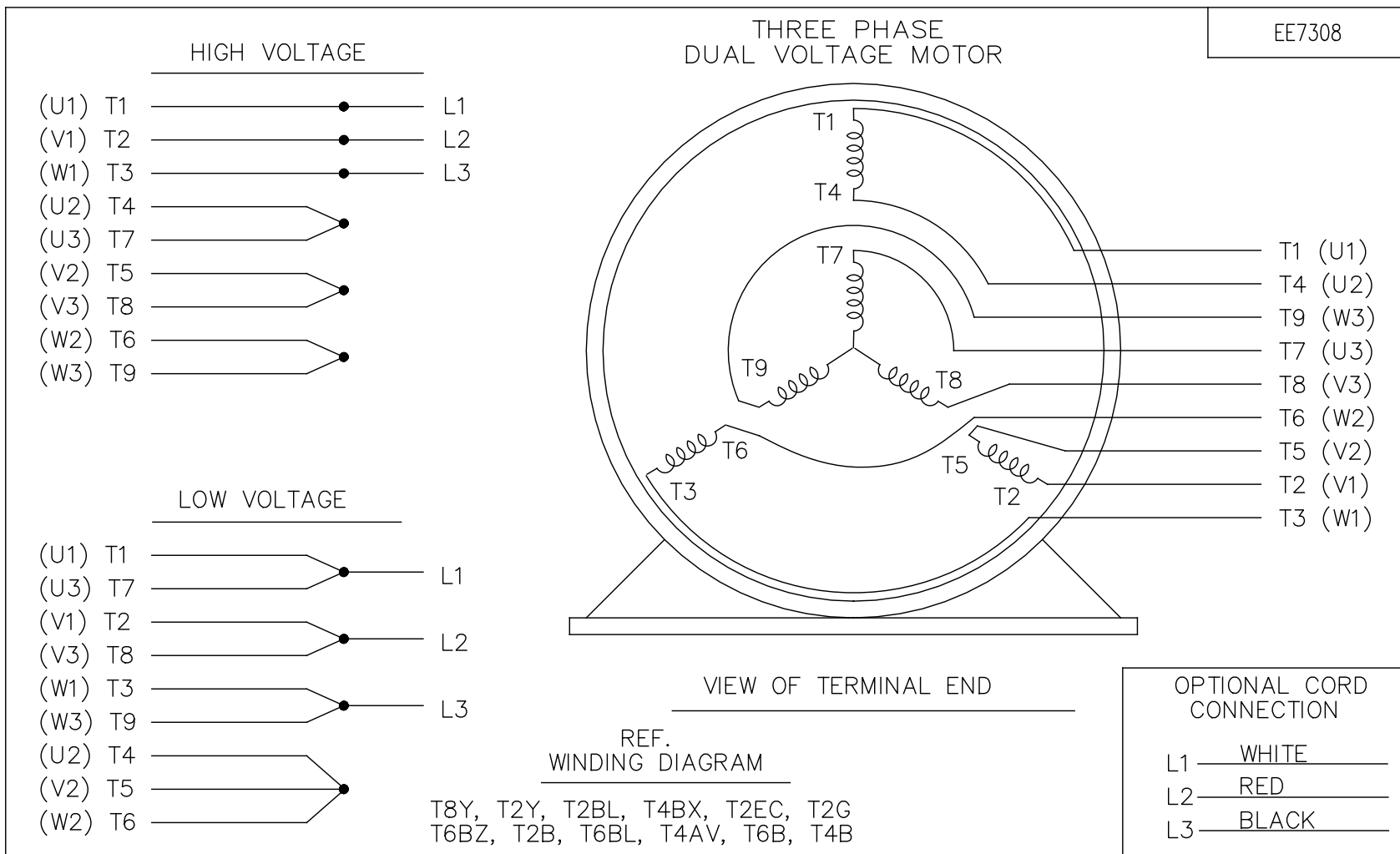
DASH NO	"C"	"AG"	"BS"
800	20.1	12.77	3.945
850	20.6	13.27	4.445
900	21.1	13.77	4.945

DRAWING REVISION C	REVISION BY JP	REV DATE/© DATE 18/01/2022
ECO CR-0006361	APPROVED BY GNK	DATE 18/01/2022
ECO DESCRIPTION ADDED DASH# 900		
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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 [0.08/.38] X 45°			
CORNER FILLETS: R.02 [.5]			
MACHINED SURFACES: 200 INCH/mm 5.1			
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			

DRAWN BY SAS	DATE 10/21/2020
APPROVED BY CD	DATE 10/21/2020
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL® Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 143/145JP FR-TEFC-RS	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS621085
SHEET 1 OF 1	



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	SIZE	DRAWING NO.	PAGE	OF	REV.
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB		DEC.	INCHES						
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X		±.1						
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX		±.02						
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX		±.005						
1	REDRAWN	RM 11/20/1990		.XXXX		±.0005						
						±7'30"						
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P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:**ORDER #:****CONN. DIAGRAM:****OUTLINE:****WINDING:****SPEED:**

EE7308

SS621085-800

HAT4007

FR

1

CUSTOMER P.O. #:**REFERENCE MODEL #:** 145TTFBD6037**CAT #:** GT3404A**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	1800	1750	145JP	TEFC	TFR	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	4.4/2.2&4/2	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	86.5	3/4 LD EFF	85.5	1/2 LD EFF	82.5	GTD EFF	ELECT. TYPE
F.L. PF	76.0	3/4 LD PF	67.0	1/2 LD PF	54.0	84.0	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
4.5 LB-FT	20.0	16.5 LB-FT	367%	19.0 LB-FT 422%

SOUND PRESSURE @ 3 FT.	SOUND	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	APPROX.	MOTOR WGT
62 dBA	71 dBA		0.11 LB-FT ²	10 LB-FT ²	15 SEC.	2	48	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIp COVER	SCREENS	PAINT
C-FACE	STANDARD	BOLT-ON	HORIZONTAL	NO	NONE	YES	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
6206 6205							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE	HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE		NA

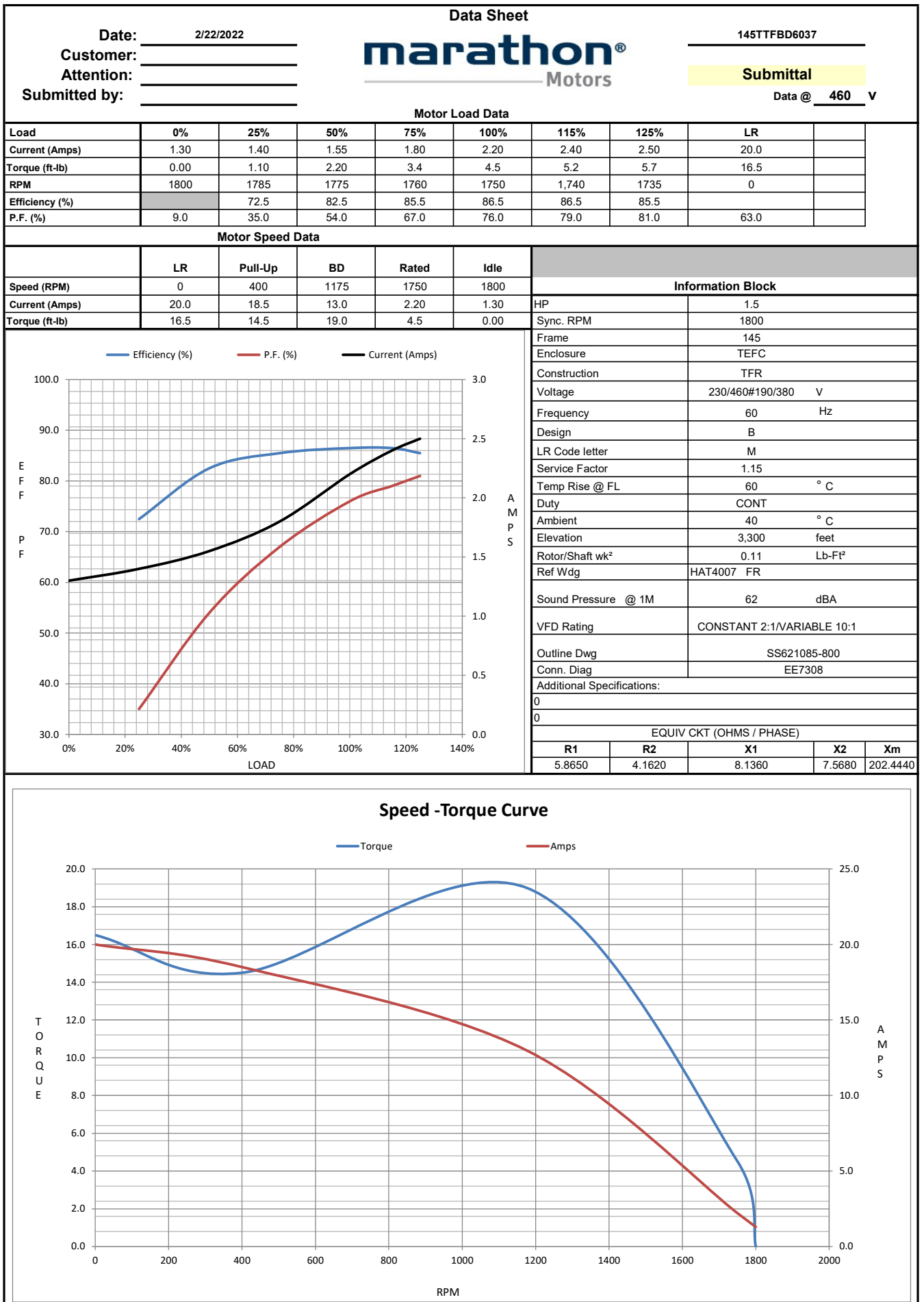
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
5.865	4.162	8.136	7.568	202.444	0.150	ODE

* N O T E s *					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1
					INV. HP SPEED RANGE: NONE
					ENCODER: NONE
					NONE
					NONE PPR

PREPARED BY:					BRAKE: NONE
DATE:	2/22/2022				NONE
					FT-LB: NA
					VOLTAGE: NONE
					HZ:

FORM: 3531 REV. 4 2/27/06

UL: V - LIME-INS.CONST UL REC



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 : 145TTFBD6037

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

Catalog No : GT3404A

Rework No : N/A

Directives :

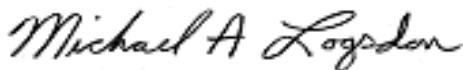
Low Voltage Directive 2014/35/EU

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