

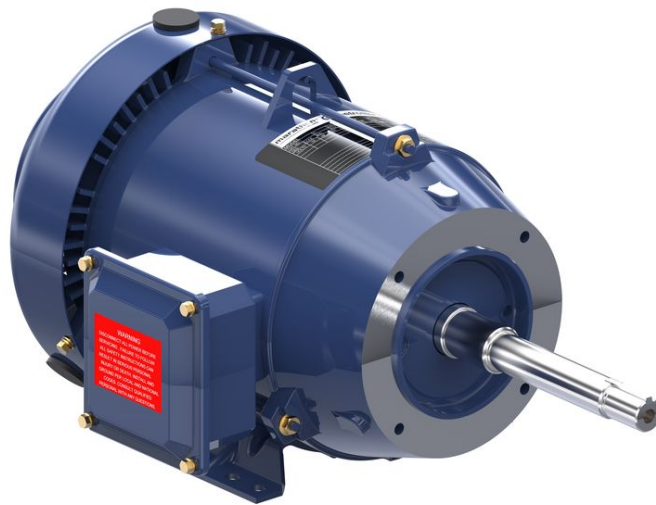
PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTFBD6085

Catalog No: GT3405A

Globetrotter® Close-Coupled Pump Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1200 & 1000 RPM, 182JP Frame, TEFC



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RegalRexnord

Nameplate Specifications

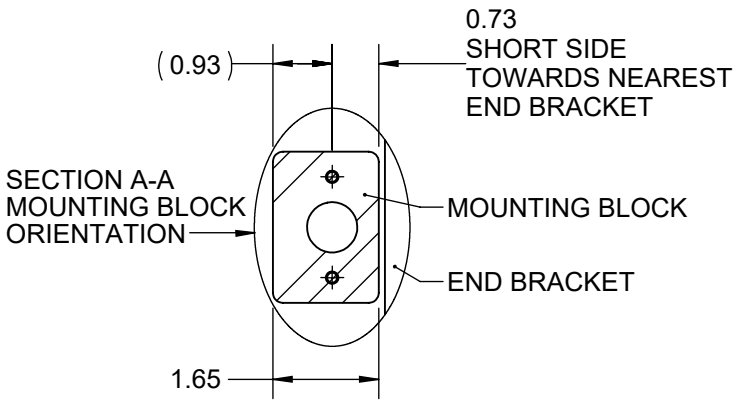
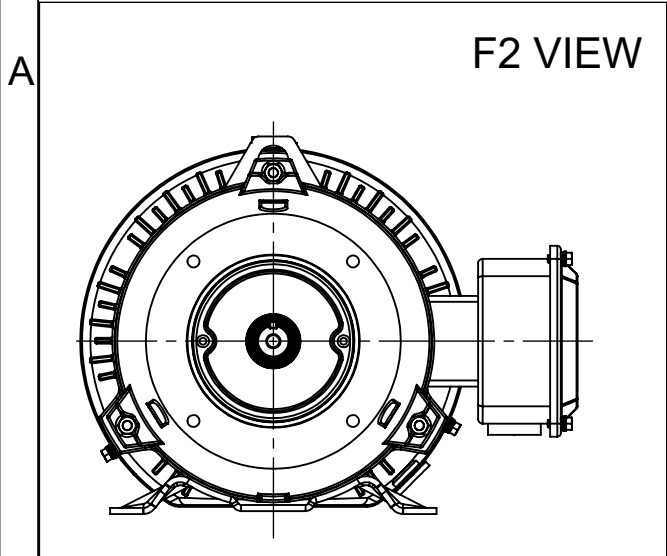
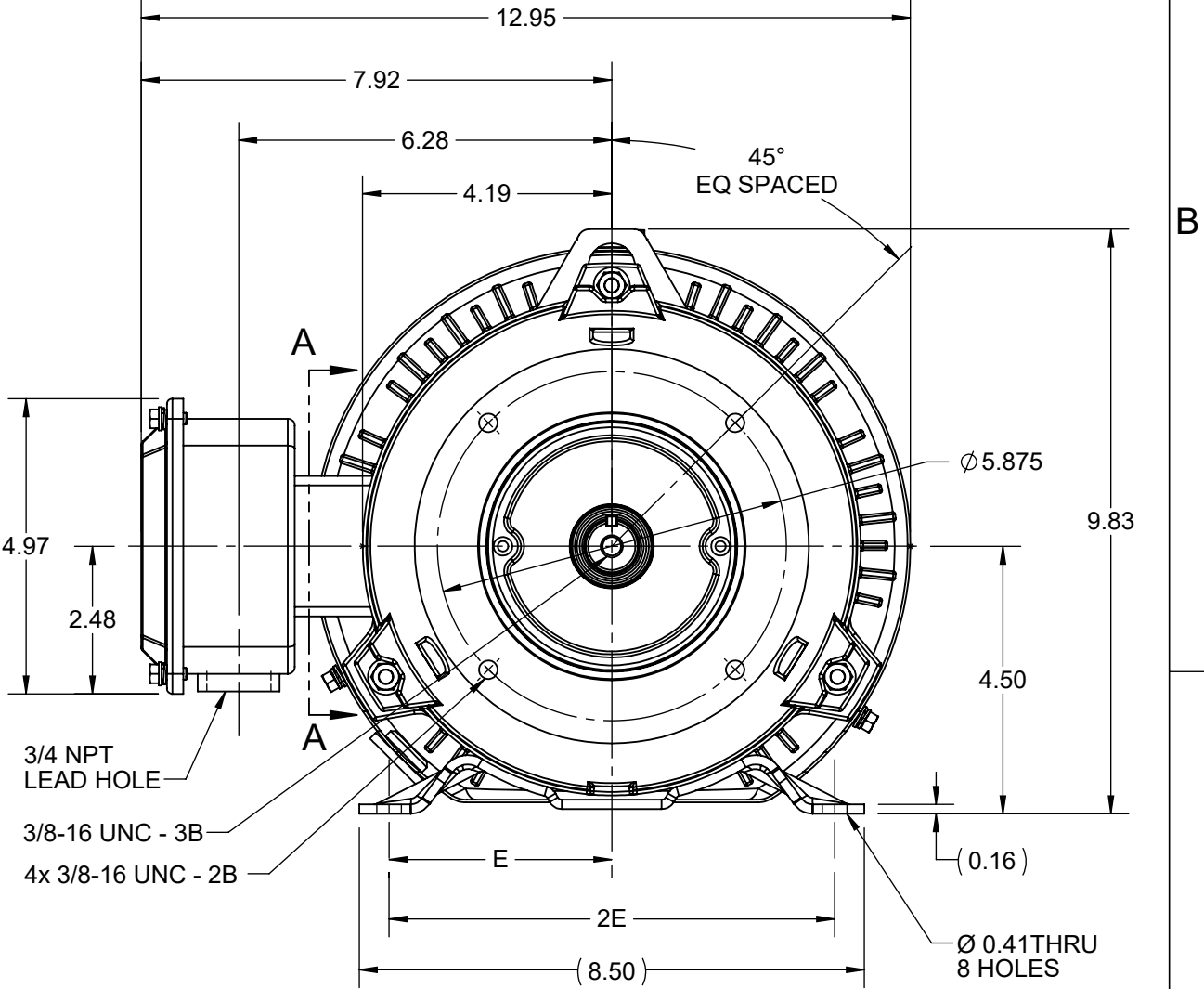
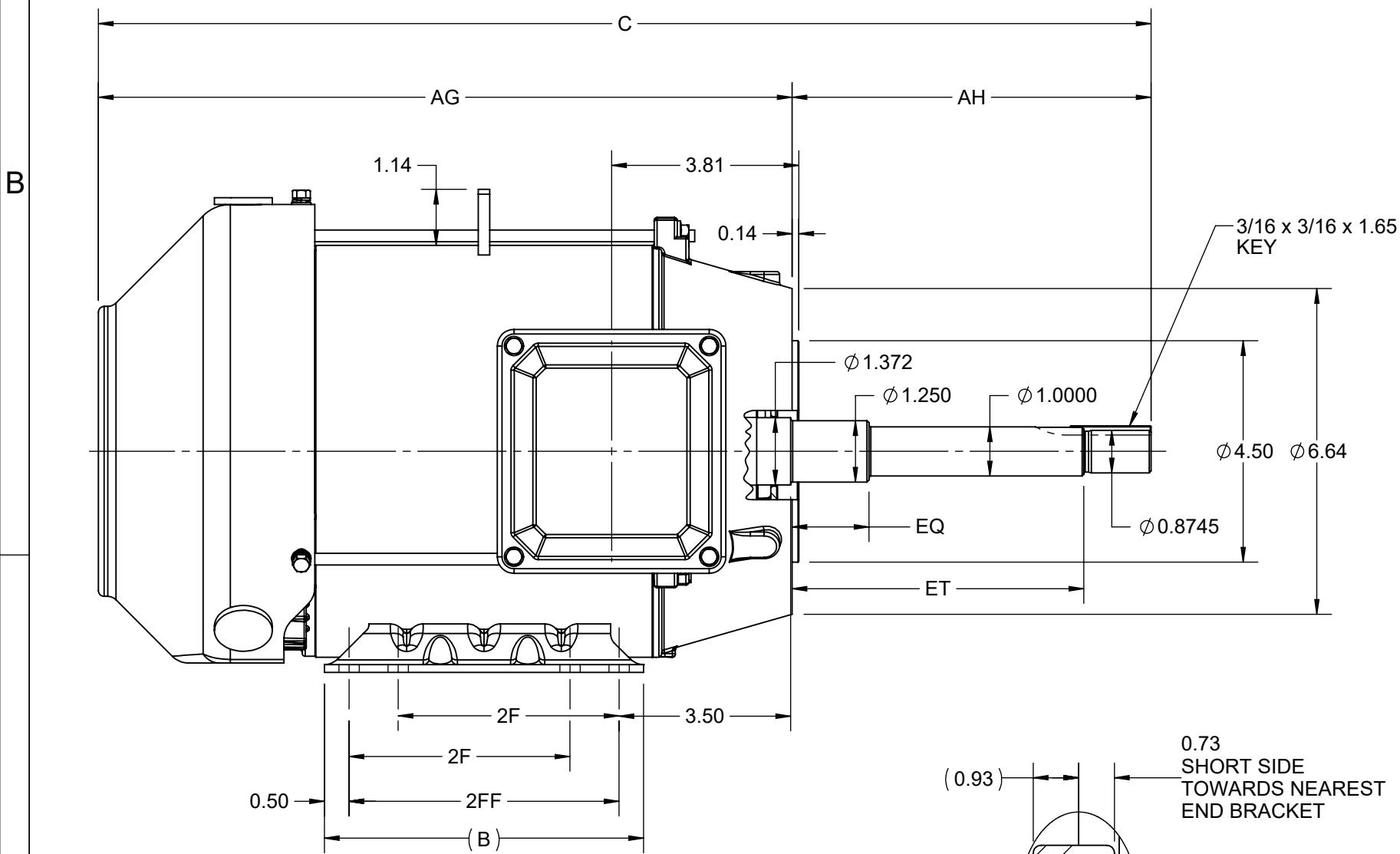
Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 190/380 V
Speed	1175 & 980 rpm	Service Factor	1.15 & 1.15
Frame	182JP	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 & 82.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4.6/2.3 & 4.5/2.25 A	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	N
Drive End Bearing Size	6307	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	6	Rotation	Selective Clockwise
Resistance Main	6.995 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	1.250 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Connection Drawing	EE7308	Outline Drawing	SS600203-100

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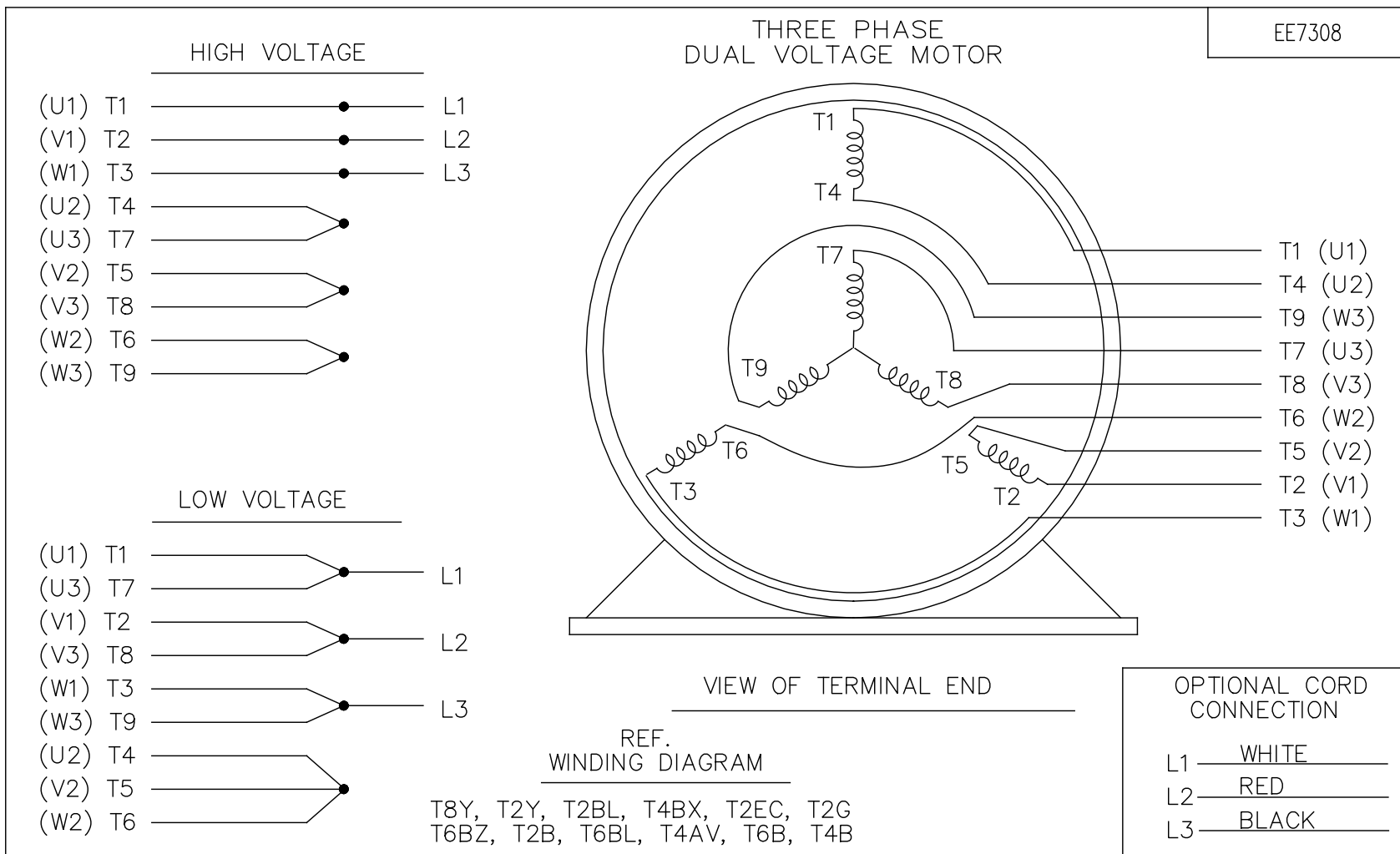
4				3						2		1
DASH NO.	B	C	E	2E	2F	2FF	AG	AH	EQ	ET	MOUNTING	FRAME
100	6.50	20.44	3.75	7.50	4.50	5.50	13.12	7.31	1.56	5.93	F1 OR F2	182JP
200		21.44					14.12					184JP



DRAWING REVISION C	REVISION BY SP	REV DATE/© DATE 16/04/2021
ECO CR-0002149	APPROVED BY GNK	DATE 16/04/2021
DRAWING UPDATED		
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DRAWN BY MSH	 Regal Beloit America, Inc.	
DATE 18/04/2018		
APPROVED BY SBD	DESCRIPTION OUTLINE NEMA 182/184JP FR TEFC RS	
DATE 18/04/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER SS600203
		SHEET 1 OF 1



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		DRAWN RM	11/20/1990
					DEC.	INCHES		
5	CHG TO REGAL LOGO	SL 09/10/2015	AB				CHK	ML 11/21/1990
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD	SAS 04/24/2003
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
					±7'30"		PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT					RFP	CAD FILE ee7308	SIZE	DRAWING NO. PAGE OF REV.
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**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7308**OUTLINE:** SS600203-182JP**WINDING #:** HE31126008 3**CUSTOMER PO#:****MODEL #:** 182TTFBD6085 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&0.75	1200	1175&980	182JP	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	4.6/2.3&4.5/2.25	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	87.5&78.5	3/4 LOAD EFF:	86	1/2 LOAD EFF:	84	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	70&64	3/4 LOAD PF:	59.5	1/2 LOAD PF:	48	86.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.7 LB-FT	37 / 18.5	16.2 LB-FT 242 %	25.5 LB-FT 381 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
50 dBA	60 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	104 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	DIVISION 2 T2B	PROVISIONS ONLY	NONE	BLUE (EPOXY)

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	6206						

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

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INVERTER TORQUE:

CONSTANT 10:1/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

PREPARED BY: DineshSuddula **DATE:**

02/13/2019 02:49:16 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 1.5&1

 PHASE 3

 Model No 182TTFBD6085
60

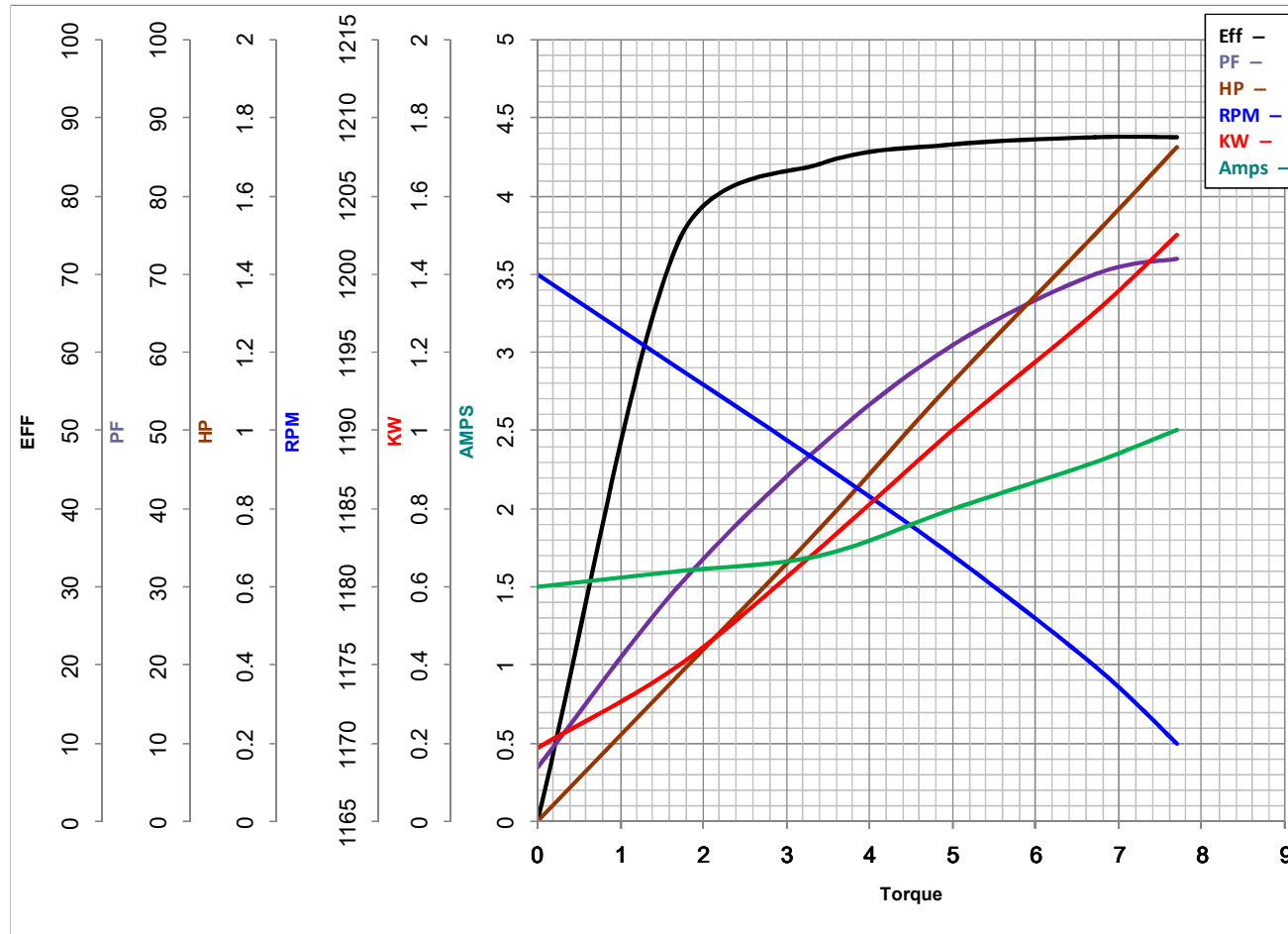
HZ

 VOLTS 230/460&190/380
1.5

HP

 Catalog No GT3405A

 HZ 60&50

 RPM 1175&980


Torque in Lb.Ft

 FL TORQUE 6.7 Lb.Ft

 BD TORQUE 25.0 Lb.Ft

 LR TORQUE 18.5 Lb.Ft

 FL AMPS 4.6/2.3

 PU TORQUE 15.0 Lb.Ft

 LR AMPS 18.5

WINDING HE31126008-3

Date 1/4/2019

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 : 182TTFBD6085

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

Catalog No : GT3405A

Rework No : N/A

Directives :

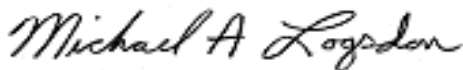
Low Voltage Directive 2014/35/EU

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