

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 184TTFBD6033

Catalog No: GT3213A

Globetrotter® Close-Coupled Pump Motor, 5 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 184JM Frame, TEFC



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**RegalRexnord**

### Nameplate Specifications

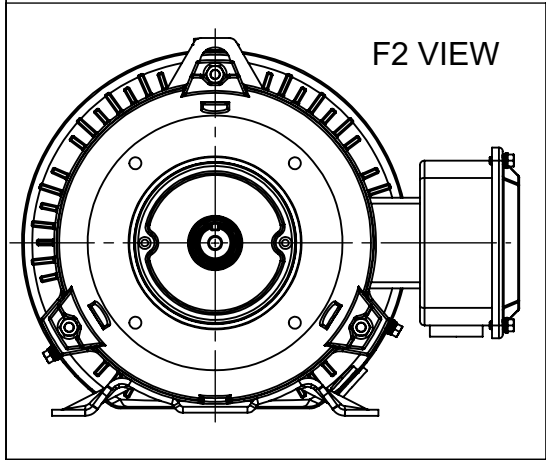
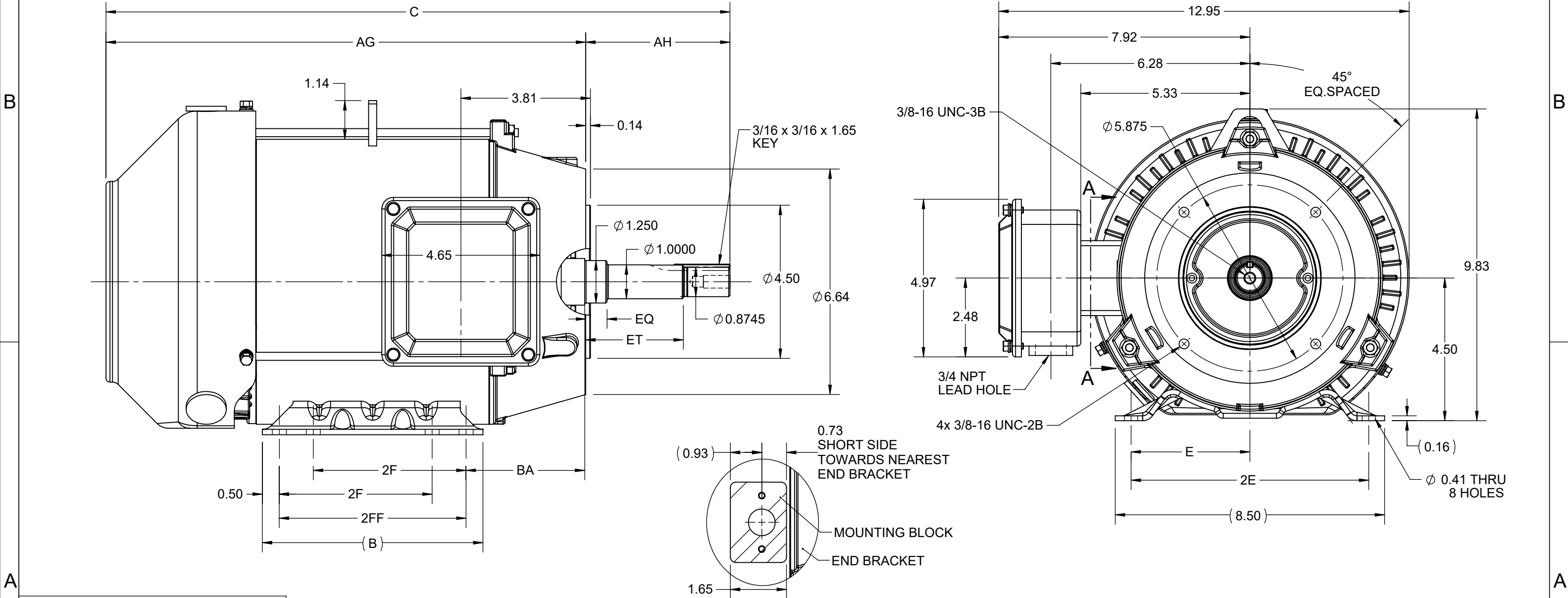
Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	575 V
Current	5.2 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	K
Frame	184JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6205
UL	Listed	CSA	Y
CE	Y	IP Code	43
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Selective Clockwise
Resistance Main	2.75 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Shaft Diameter	1.250 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Outline Drawing	SS600202-200	Connection Drawing	EE7300


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4				3						2			1
DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	EQ	ET	MOUNTING	FRAME
100	6.50	17.37	3.75	7.50	4.50	5.50	13.12	4.25	3.50	0.62	2.87	F1 OR F2	182JM
200		18.37					14.12						184JM



DRAWING REVISION D	REVISION BY BISWA	REV DATE/© DATE 17/03/2021
ECO CR-0001658	APPROVED BY GNK	DATE 17/03/2021
ECO DESCRIPTION Unsymmetrical bracket mtg. positional view added		
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PRIMARY DIMENSIONS ARE INCH  
mm DIMENSIONS IN [BRACKETS]  
ARE FOR REFERENCE ONLY

DRAWN BY PRIYA	 Regal Beloit America, Inc.		
DATE 08/03/2018			
APPROVED BY SBD	DESCRIPTION <b>OUTLINE</b> 182/184JM FR-NEMA-TEFC-RS		
DATE 08/03/2018			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER <b>SS600202</b>	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

IF MOTOR HAS 9 LEADS

T1(U1)

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

T2(V1)

L2

T3(W1)

T3(W1)

T3(W1)

L3

IF MOTOR HAS 6 LEADS

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

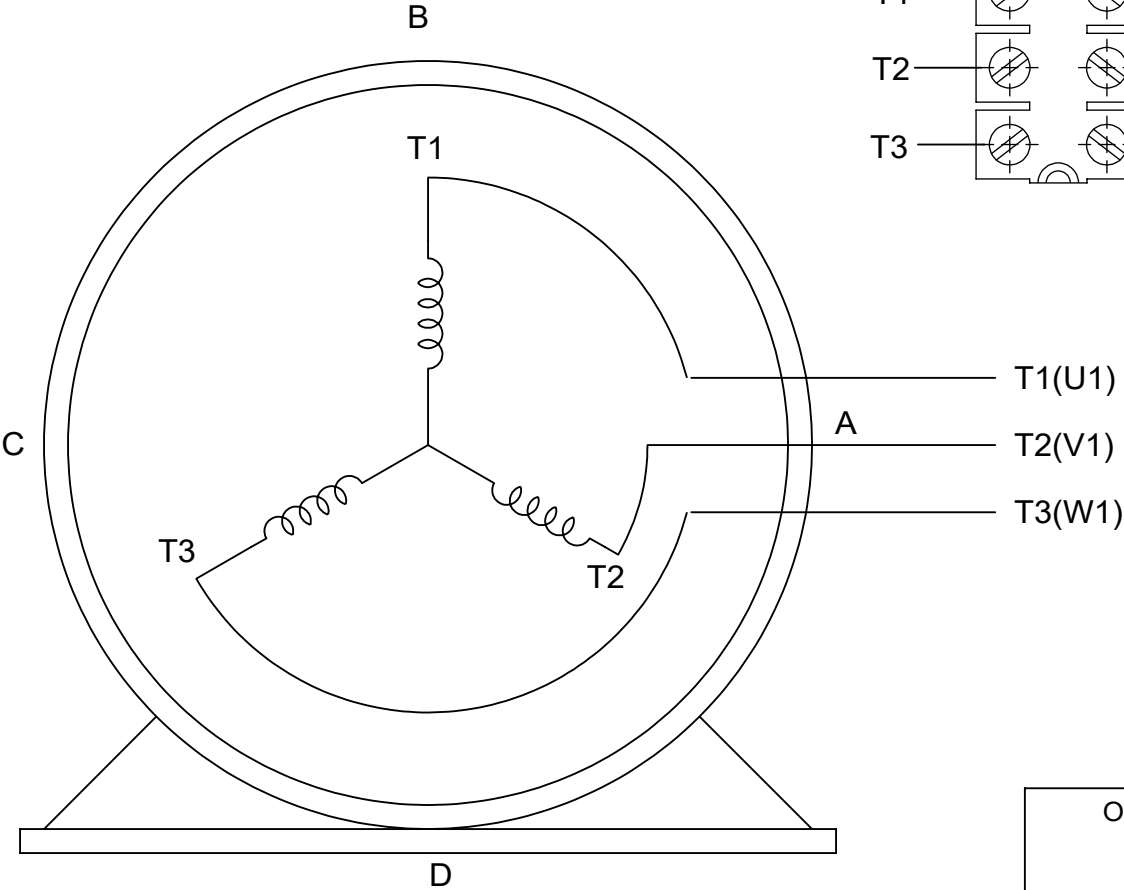
L2

T3(W1)

T3(W1)

L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD  
CONNECTION

- L1
- WHITE
- L2
- RED
- L3
- BLACK

DRAWING REVISION AC	REVISION BY BS	REV DATE/© DATE 26/07/2022
REQUEST NUMBER CR-0010402	APPROVED BY SN	DATE 26/07/2022
REQUEST NUMBER DESCRIPTION DRAWING UPDATED		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

<div>Regal Rexnord</div> <div>Regal Beloit America, Inc.</div>	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	



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

**CERTIFICATION DATA SHEET****CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7300**OUTLINE:** SS600202-184JM**WINDING #:** HE31124020 2**CUSTOMER PO#:****MODEL #:** 184TTFBD6033 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1755	184JM	TEFC	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	5.2	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

<b>FULL LOAD EFF:</b>	89.5	<b>3/4 LOAD EFF:</b>	89.5	<b>1/2 LOAD EFF:</b>	88.5	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	80	<b>3/4 LOAD PF:</b>	75	<b>1/2 LOAD PF:</b>	64	88.5		SQ CAGE INV RATED

<b>F.L. TORQUE</b>		<b>LOCKED ROTOR AMPS</b>		<b>L.R. TORQUE</b>		<b>B.D. TORQUE</b>		<b>F.L. RISE°C</b>
15 LB-FT		39.6		33 LB-FT 220 %		42 LB-FT 290 %		60

<b>SOUND PRESSURE @ 3 FT.</b>		<b>SOUND POWER</b>		<b>ROTOR WK^2</b>		<b>MAX. WK^2</b>		<b>SAFE STALL TIME</b>		<b>STARTS / HOUR</b>		<b>APPROX. MOTOR WGT</b>
50 dBA		60 dBA		- LB-FT^2		- LB-FT^2		15 SEC.		2		114 LBS.

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

<b>DE BRACKET TYPE</b>	<b>ODE BRACKET TYPE</b>	<b>MOUNT TYPE</b>	<b>ORIENTATION</b>	<b>SEVERE DUTY</b>	<b>HAZARDOUS LOCATION</b>	<b>DRIP COVER</b>	<b>SCREENS</b>	<b>PAINT</b>
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	DIVISION 2 T2B	PROVISIONS ONLY	NONE	BLUE (EPOXY)

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

<b>THERMO-PROTECTORS</b>				<b>THERMISTORS</b>	<b>CONTROL</b>	<b>SPACE HEATERS</b>
<b>THERMOSTATS</b>	<b>PROTECTORS</b>	<b>WDG RTDs</b>	<b>BRG RTDs</b>			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

\*

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S

\*

**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:** Dinesh**Suddula DATE:**

02/14/2019 01:04:14 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

575

Volts

 HP 5.00

 PHASE 3

 Model No 184TTFBD6033
60

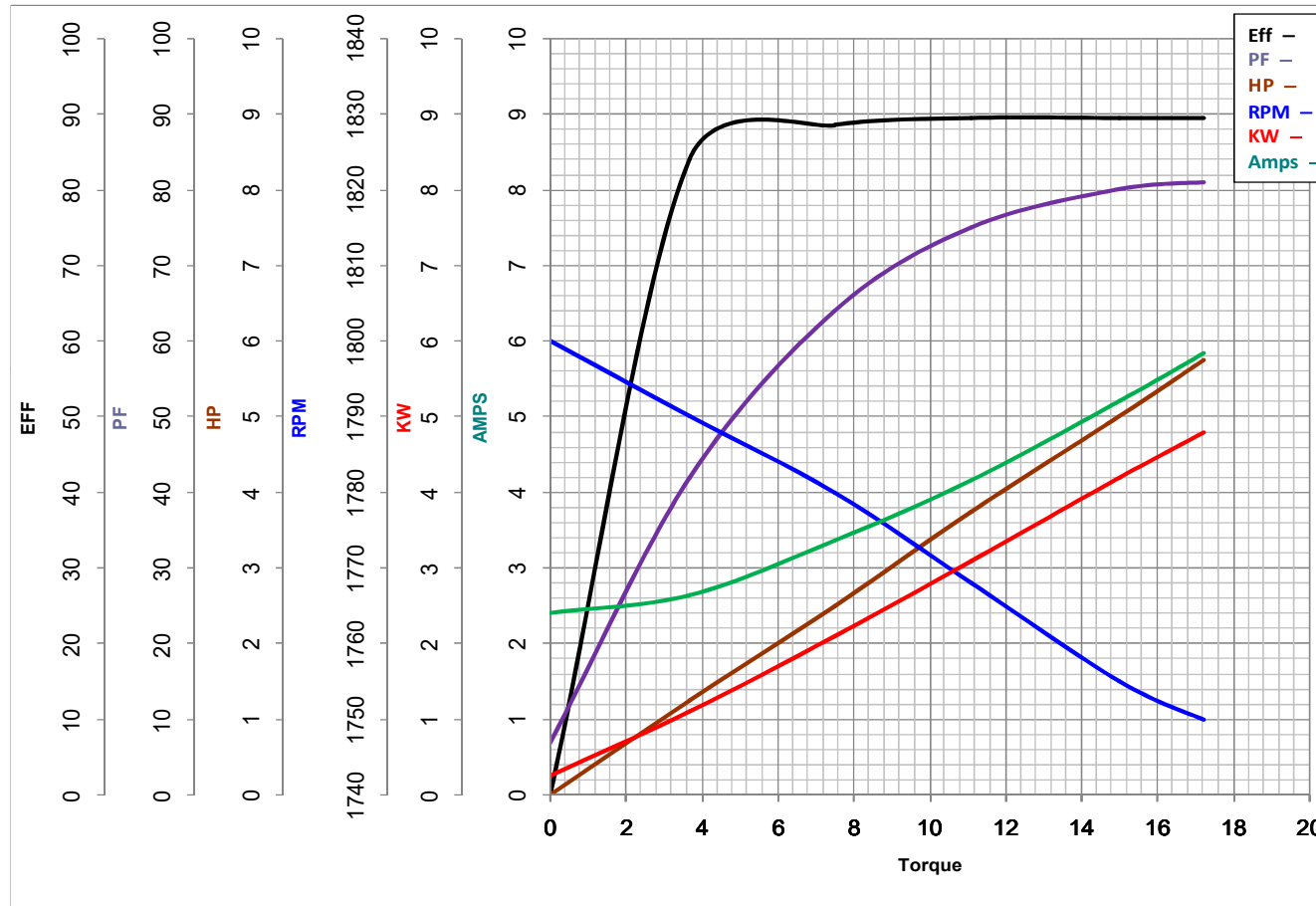
HZ

 VOLTS 575
5

HP

 Catalog No GT3213A

 HZ 60

 RPM 1755


Torque in Lb.Ft

 FL TORQUE 15 Lb.Ft

 BD TORQUE 42.0 Lb.Ft

 LR TORQUE 33 Lb.Ft

WINDING HE31124020-2

 FL AMPS 5.2

 PU TORQUE 27.0

 LR AMPS 39.6

Date 1/7/2019

## 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 : 184TTFBD6033

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

Catalog No : GT3213A

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**