

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 184TBFW7315

Catalog No: Z433A

Close-Coupled Pump Motor, 5 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 184JM Frame, TEFC



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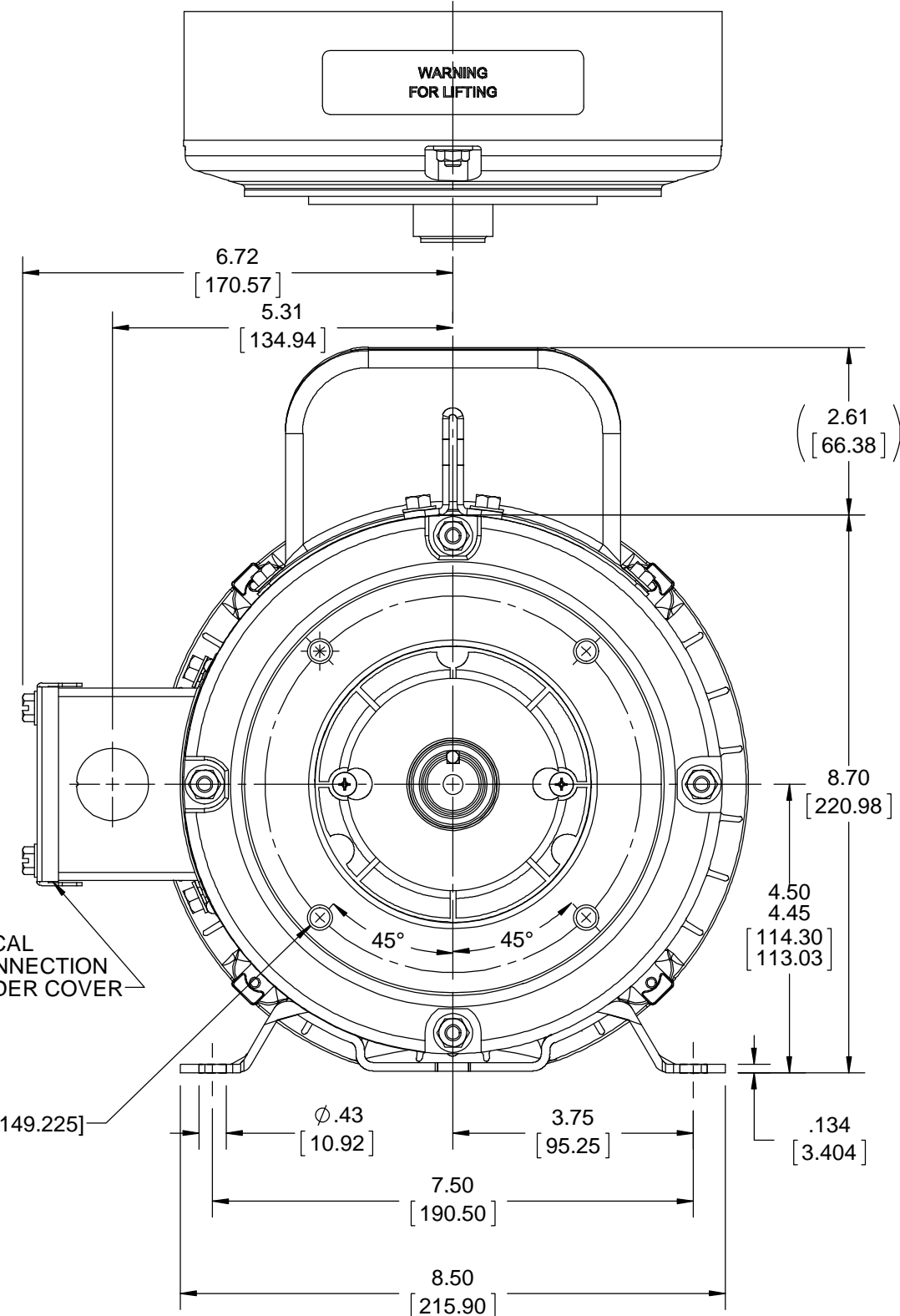
**RegalRexnord**


### Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230 V
Current	19.8 A	Speed	3530 rpm
Service Factor	1	Phase	1
Efficiency	82.5 %	Power Factor	98
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	184JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

### Technical Specifications

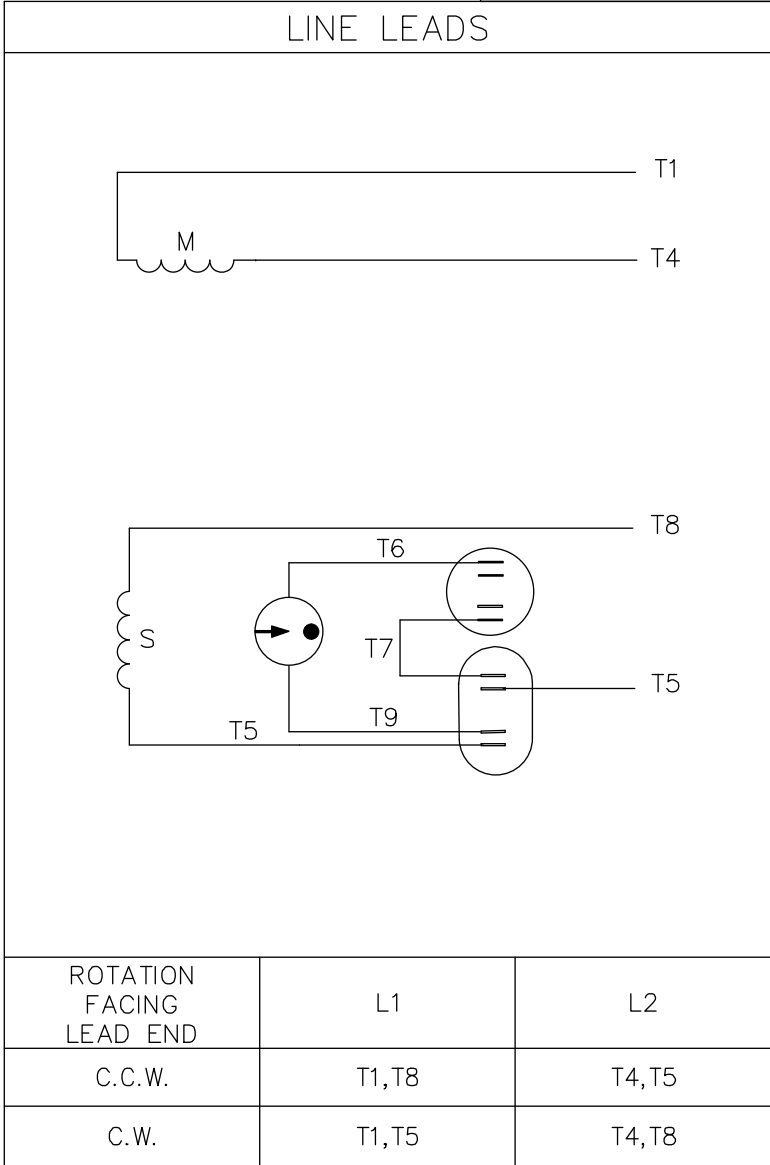
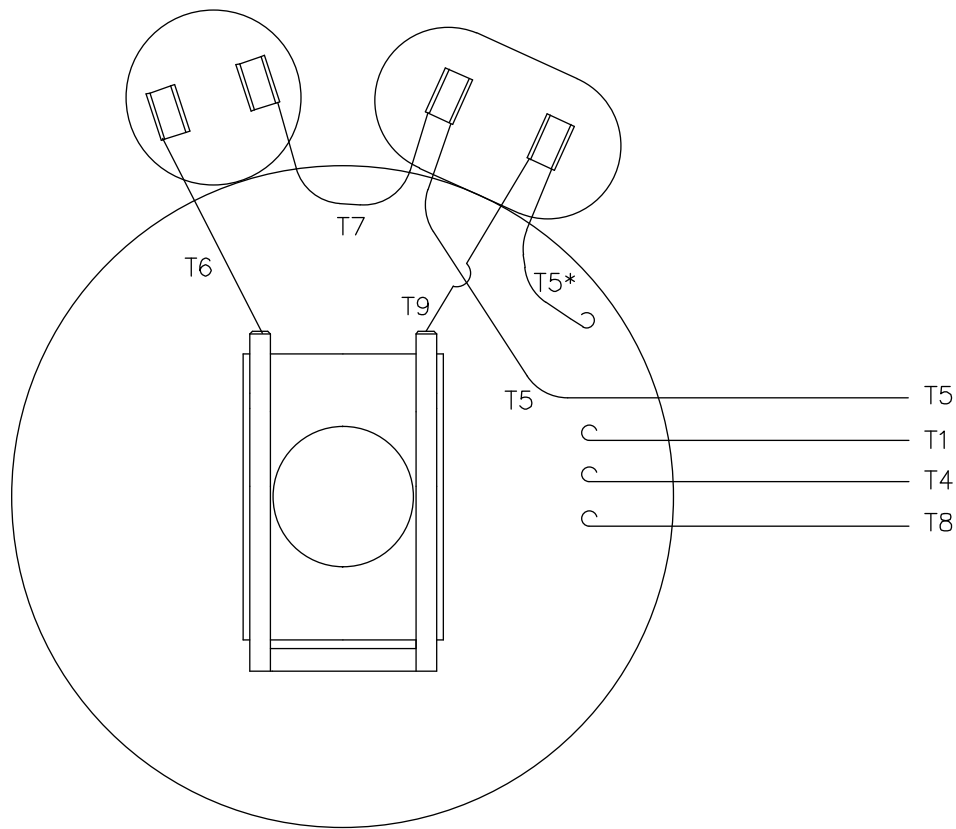
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.342 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	18.59 in
Frame Length	11.50 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035566-1150	Connection Drawing	005018.01ME



		Regal Beloit America, Inc.	
DESCRIPTION			
<h1>OUTLINE</h1> <h2>180JM FRAME TEFC-RIGID "C"</h2>			
MATERIAL		PROCESS/FINISH	
SIZE	DRAWING NUMBER		SHEET
<b>B</b>	<b>035566</b>		<b>1 OF 1</b>


DASH NO.	"C"	"AD"
850	15.59[395.98]	4.63[117.60]
900	16.09[408.68]	5.13[130.30]
950	16.59[421.38]	5.63[143.00]
1000	17.09[434.08]	6.13[155.70]
1050	17.59[446.78]	6.63[168.40]
1100	18.09[459.48]	7.13[181.10]
1150	18.59[472.18]	7.63[193.80]
1200	19.09[484.88]	8.13[206.50]

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2
C.C.W.	T1,T8	T4,T5
C.W.	T1,T5	T4,T8

\* THIS LEAD MAY BE WHITE

			TOLERANCES UNLESS SPECIFIED			DRAWN RDW 6/5/03	
			DEC.	INCHES		CHK	
			.X	±.1		APPD	
			.XX	±.01		SCALE 1=1	
			.XXX	±.005		REF 005018	
			.XXXX	±.0005	TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR	FMF 139047	
			NO.	REVISION	BY & DATE	PREV	
			CHK	ANG	±1/2"	FINISH	
			RFP	6/5/03	CAD FILE	00501801ME	SIZE A
			DIST				DRAWING NO. 005018-01ME
							REV.

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## CERTIFICATION DATA SHEET

Model#: 184TBFW7315 AA

WINDING#: K8225 R1 2

CONN. DIAGRAM: 005018.01ME

ASSEMBLY: F1 ONLY

OUTLINE: 035566-1150

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.7	3600	3530	184JM	TEFC	H	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	19.8	ACROSS THE LINE	CONTINUOUS	F4	1.0	40	3300

FULL LOAD EFF: 82.5	3/4 LOAD EFF: 82.2	1/2 LOAD EFF: 77.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 98	3/4 LOAD PF: 98.1	1/2 LOAD PF: 97.4	-	CAP START CAP RUN	2.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.45 LB-FT	153	16.2 LB-FT 217	19.4 LB-FT 260	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.485 LB-FT^2	0.5 LB-FT^2	- SEC.	-	0 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	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6207	6205	POLYREX EM	JM	NONE	NONE	AINI 1045 (C-240)	ROLLED STEEL

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

If Inverter equals NONE, contact factory for further information

* N O T E S *	INVERTER TORQUE: NONE			
	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

DATE: 06/28/2017 06:13:53 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

230

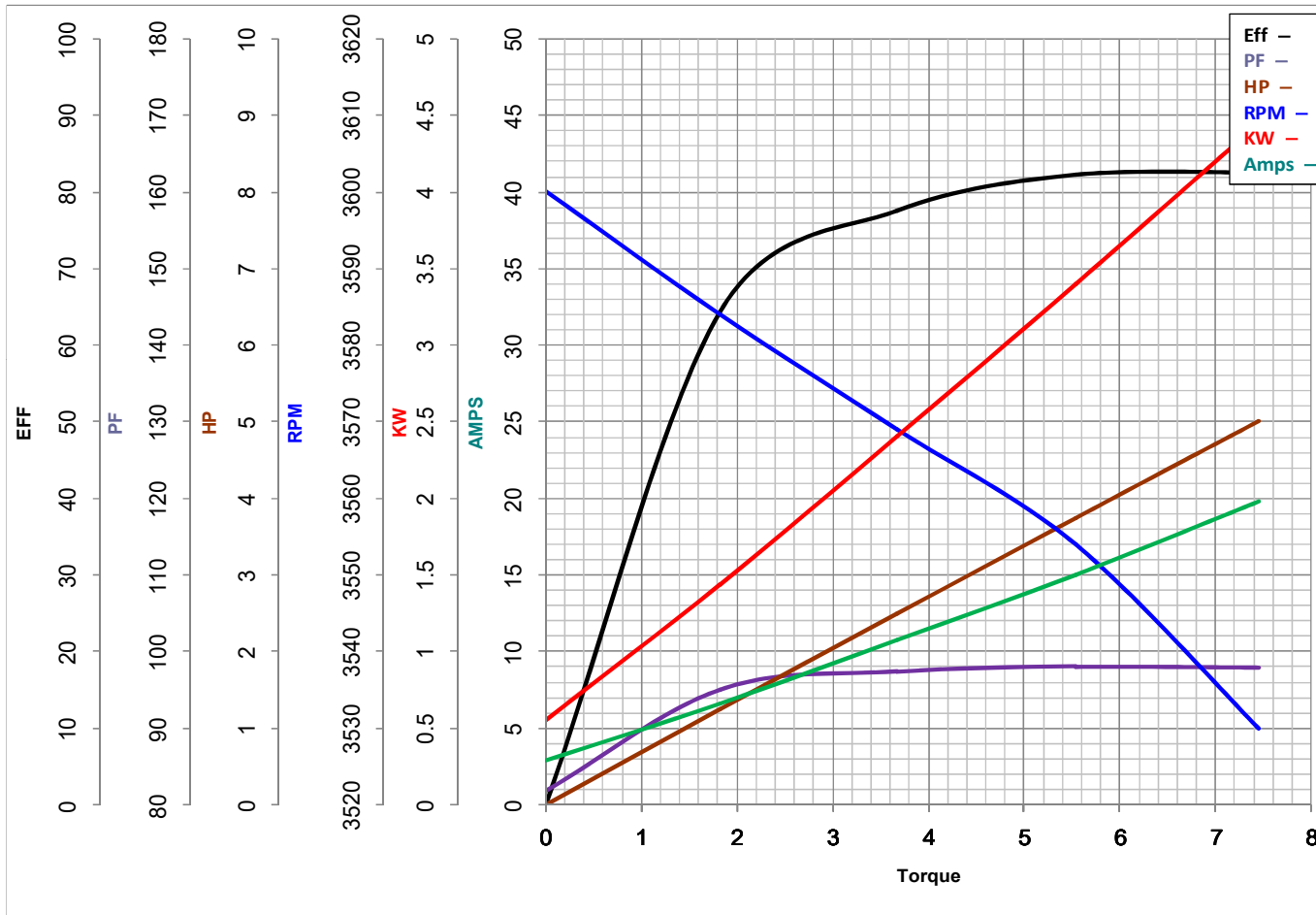
Volts

HP 5PHASE 1Model No 184TBFW731560

HZ

VOLTS 2305

HP

HZ 60Catalog No Z433ARPM 3530

Torque in Lb.Ft

FL TORQUE 7.45 Lb.FtBD TORQUE 19.4 Lb.FtLR TORQUE 16.2 Lb.FtFL AMPS 19.8PU TORQUE 15.8 Lb.FtLR AMPS 15.3

WINDING K8225-2

Date 1/10/2019

## 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 : 184TBFW7315

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

Catalog No : Z433A

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**