

# PRODUCT INFORMATION PACKET



Model No: G131580.00

Catalog No: G131580.00

Obsolete in the US,

ed by 199768.00 -.5HP..3510RPM.184JM.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C.C184T34FK39A.....

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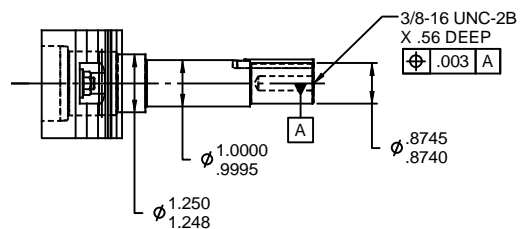
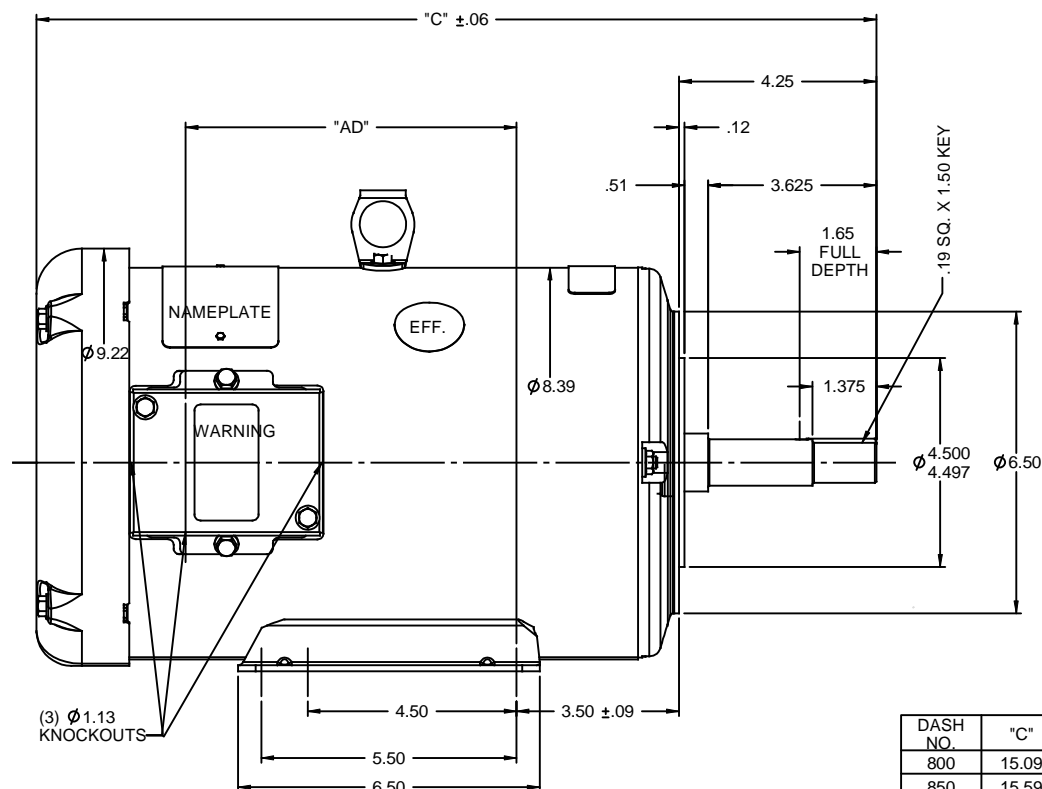
### Nameplate Specifications

Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	3510 & 2920 rpm	Service Factor	1.15 & 1.15
Frame	184JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	12/6 & 8.6/4.3 A	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
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

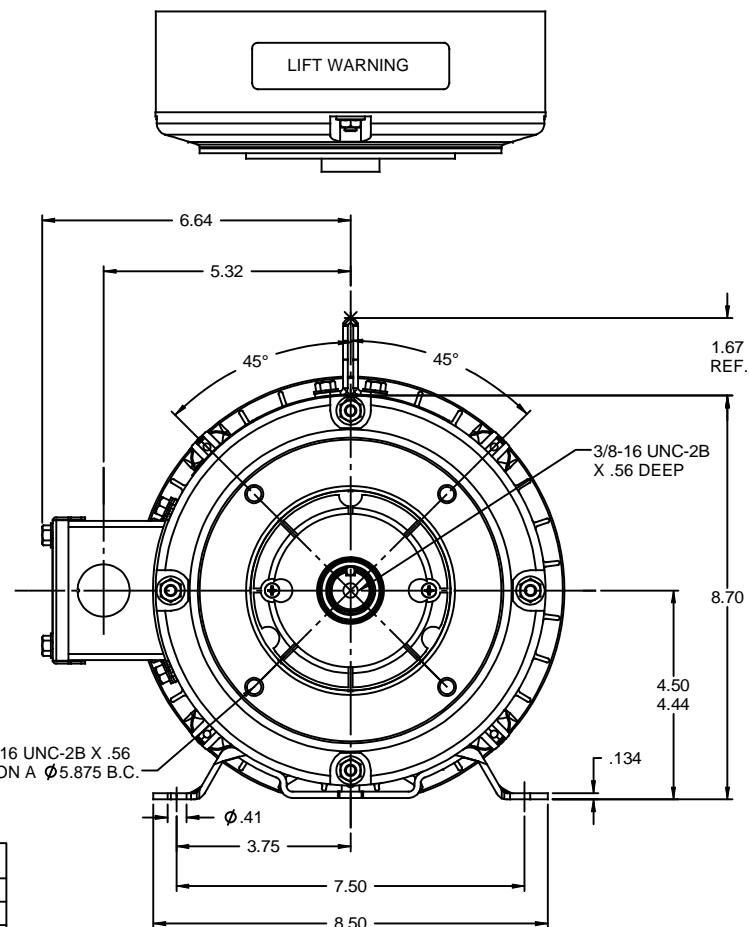
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.5 Ohms	Mounting	Rigid Base
Motor Orientation	VERIFY	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Assembly/Box Mounting	VERIFY
Outline Drawing	035357-900	Connection Drawing	005010.01

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### SHAFT DETAIL

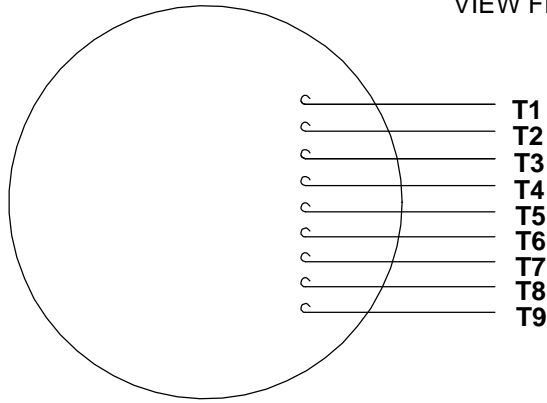
DASH NO.	"C"	"AD"
800	15.09	4.13
850	15.59	4.63
900	16.09	5.13
950	16.59	5.63
1000	17.09	6.13
1050	17.59	6.63
1100	18.09	7.13
1150	18.59	7.63



GASKETS THROUGHOUT  
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.  
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

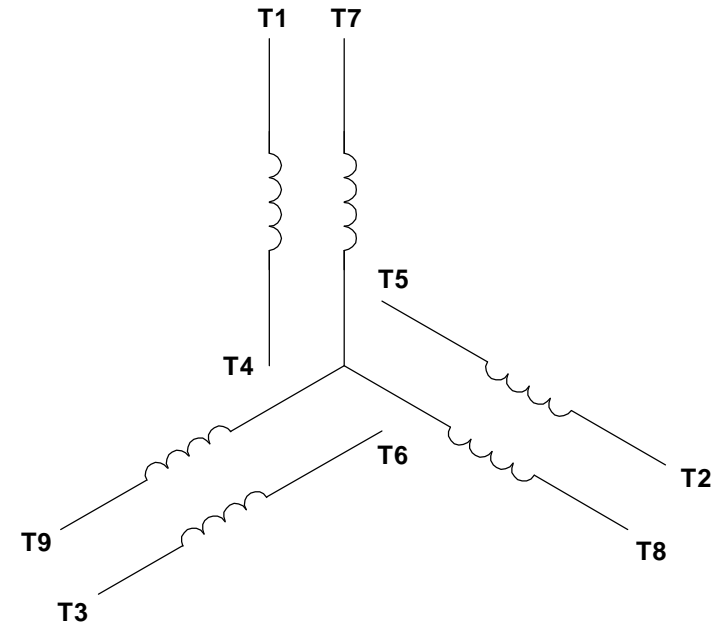
		11.50	18.39	7.63			TOLERANCES UNLESS SPECIFIED		 <b>REGAL-BELOIT CORPORATION</b>		DRAWN PG 9/15/97	
						DEC INCHES		CHK RK 9/15/97				
						X ±.1		TITLE OUTLINE - 180JM FRAME TEFC - "JM" PUMP MOUNT		APPR		
						XX ±.03				SCALE 3:8		
						XXX ±.005				REF 035199		
-	UPDATED & REDRAWN ON SOLIDWORKS			LST 12/8/2009		XX	XXXX ±.0005	MATL		FMF		
NO	REVISION			BY & DATE		CHK	ANG ±1/2°	FINISH		PAGE OF		
THIRD ANGLE PROJECTION						RFP		PREV		SIZE B	DRAWING NO <b>035357</b>	REV
						NETWORK FILE NAME						

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



MODEL NO.	HP	RPM	VOLTAGE	MODEL NO.	HP	RPM	VOLTAGE
3N841	1/4	1725	208-230/460	6WY43	1 1/2	1740	208-230/460
3N842	1/3	1725	208-230/460	6WY44	1 1/2	3450	208-230/460
3N851	1/3	3450	208-230/460	6WY45	1 1/2	3450	208-230/460
3N852	1/2	3450	208-230/460	6WY46	2	1740	208-230/460
3N854	1/3	3450	208-230/460	6WY47	2	1740	208-230/460
3N855	1/2	3450	208-230/460	6WY48	2	3450	208-230/460
6WY28	1/3	1740	208-230/460	6WY49	2	3450	208-230/460
6WY29	1/3	3450	208-230/460	6WY50	3	3450	208-230/460
6WY30	1/2	1140	208-230/460	6WY51	1/2	1140	208-230/460
6WY31	1/2	1740	208-230/460	6WY52	1/2	1140	208-230/460
6WY32	1/2	3450	208-230/460	6WY53	1/2	1740	208-230/460
6WY33	3/4	1140	208-230/460	6WY54	3/4	1140	208-230/460
6WY34	3/4	1740	208-230/460	6WY55	3/4	1740	208-230/460
6WY35	3/4	3450	208-230/460	6WY56	1	1140	208-230/460
6WY36	1	1140	208-230/460	6WY57	1	1740	208-230/460
6WY37	1	1140	208-230/460	6WY58	1	1740	208-230/460
6WY38	1	1740	208-230/460	6WY59	1 1/2	1740	208-230/460
6WY39	1	1740	208-230/460	6WY60	1 1/2	1740	208-230/460
6WY40	1	3450	208-230/460	6WY61	2	1740	208-230/460
6WY41	1	3450	208-230/460	6WY62	2	1740	208-230/460
6WY42	1	1740	208-230/460				



## LINE LEADS

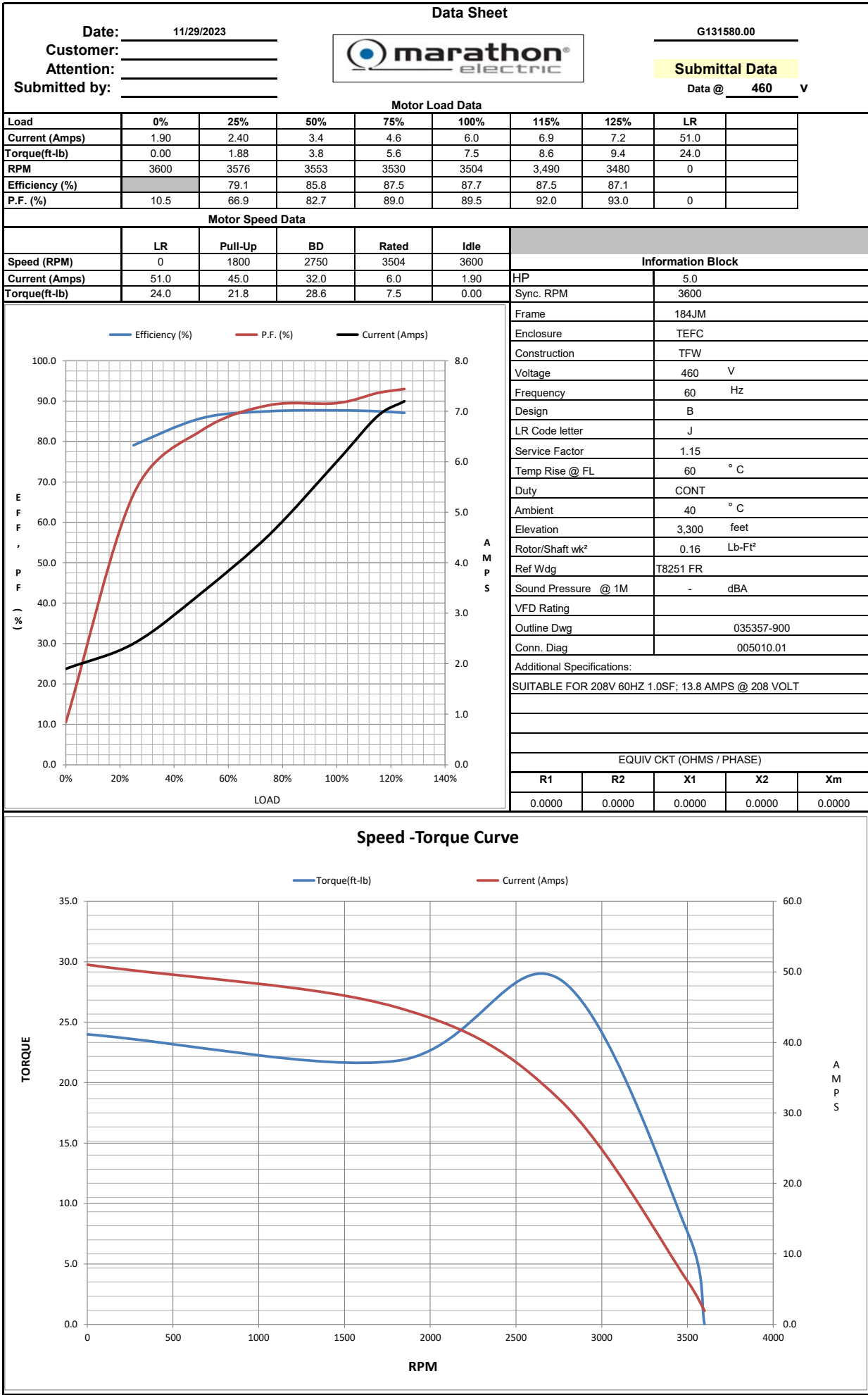


VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

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				TOLERANCES UNLESS SPECIFIED		<div>Dayton</div> <div>Dayton Electric Mfg. Co. Lake Forest IL 60045 USA</div>	DRAWN RDW 05/09/05		
				DEC	INCHES		CHK		
04	REVISED GRAINGER ADDRESS AS PER IS12-2651	PVR 7/4/2012	PI	.X	±.1		APPR KJH 05/09/05		
03	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM		SCALE 1:1	
02	ADDED 3N841, 842, 851, 852, 854 & 855 TO CHART	RDW 10/28/05	KH	.XXX	±.005	3 PHASE W/O PROTECTOR		REF	
01	REMOV'D 4YU41, ADDED 6WY28 - 6WY62	RDW 8/01/05	KH	.XXXX	±.0005	MAT'L DECAL - 004014		FMF	
NO	REVISION	BY & DATE	CHK	ANG	± 1/2°	FINISH		PAGE OF	
<div>THIRD ANGLE PROJECTION</div> <div></div>			RFP		PREV		SIZE	DRAWING NO	REV
			NETWORK FILE NAME 00501001WD				A	005010-01WD	04



## 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 : G131580.00

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

Catalog No : G131580.00

Rework No : N/A

Directives :

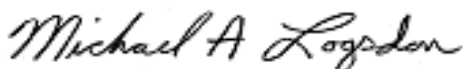
Low Voltage Directive 2014/35/EU

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 02/03/2023

**CE 23**