

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 056B34F5327

Catalog No: D315

General Purpose Motor, 2 HP, 1 Ph, 60 Hz, 115/208-230 V, 3600 RPM, 56HC Frame, TEFC



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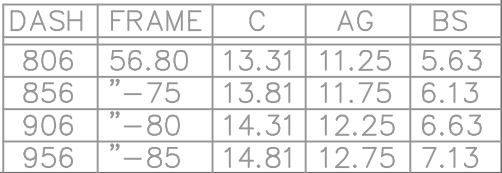
RegalRexnord

Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	16.6/9.4-8.3 A	Speed	3450 rpm
Service Factor	1.15	Phase	1
Efficiency	79 %	Power Factor	98.3
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	J
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

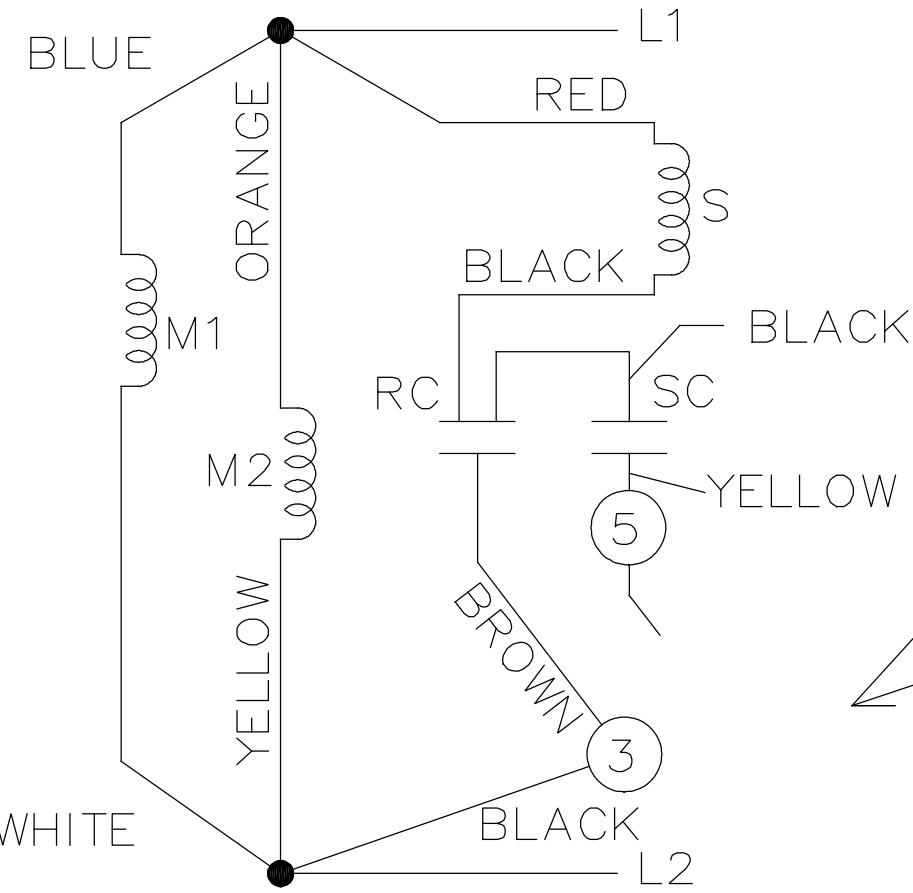
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.31 in
Frame Length	8.06 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	102006-51	Outline Drawing	A-100144-806



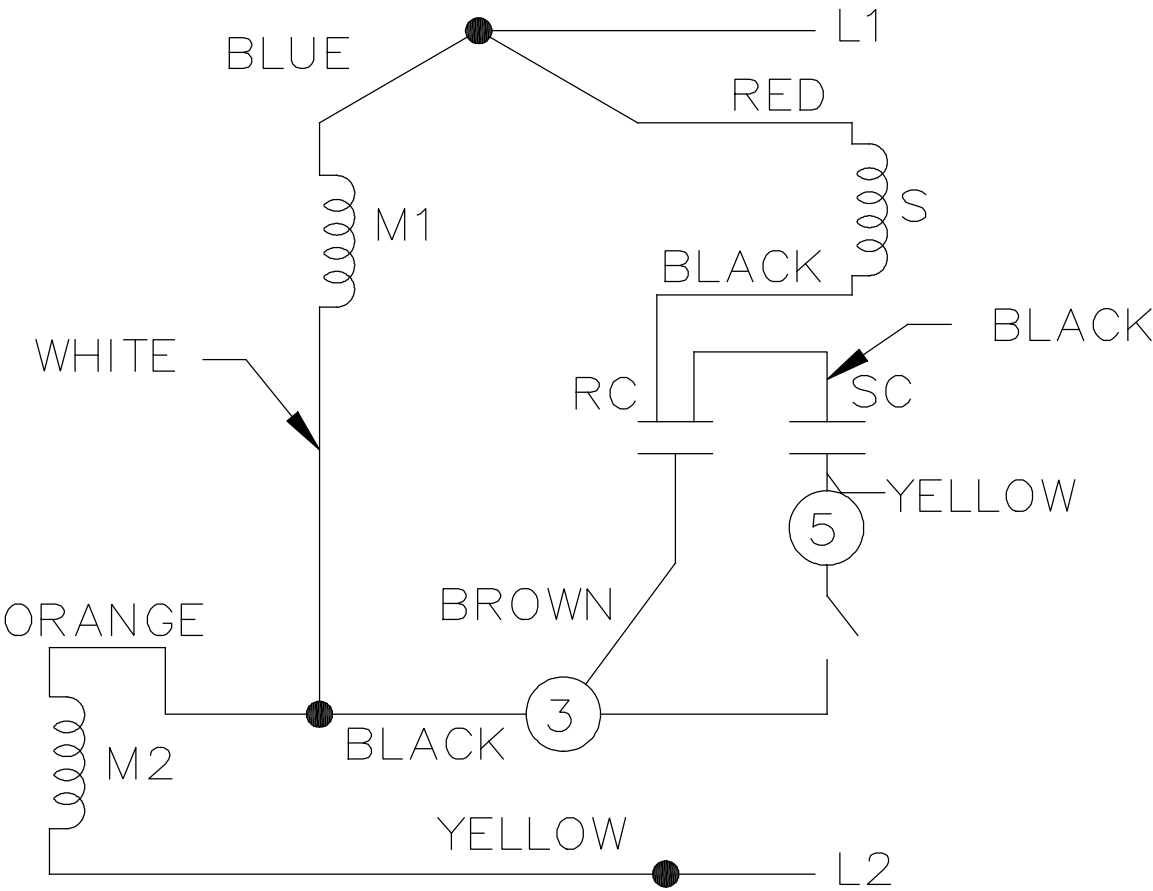
				TOLERANCES UNLESS SPECIFIED			DRAWN BLR 05-27-1997			
				DEC.	INCHES		CHK ML 06-03-1997			
				.X	±.1		APPD GK 06-03-1997			
				.XX	±.03		TITLE OUTLINE	SCALE 5=16		
				.XXX	±.005	56 FR. - BB - TEFC - 1Ø - C"FACE	REF			
3	REDRAWN ON CAD	BLR 06-03-1997		.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	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 100144	SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST WP			A	100144			3

102006-51

LOW VOLTAGE C.C.W.

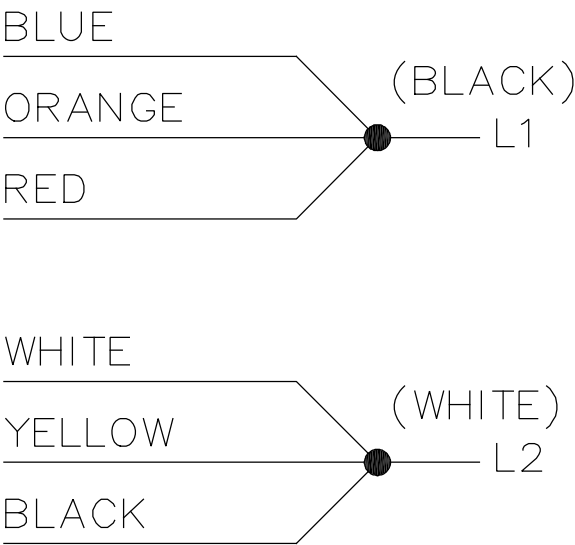


HIGH VOLTAGE C.C.W.

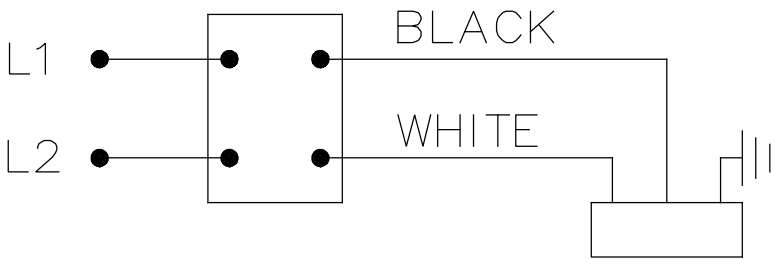
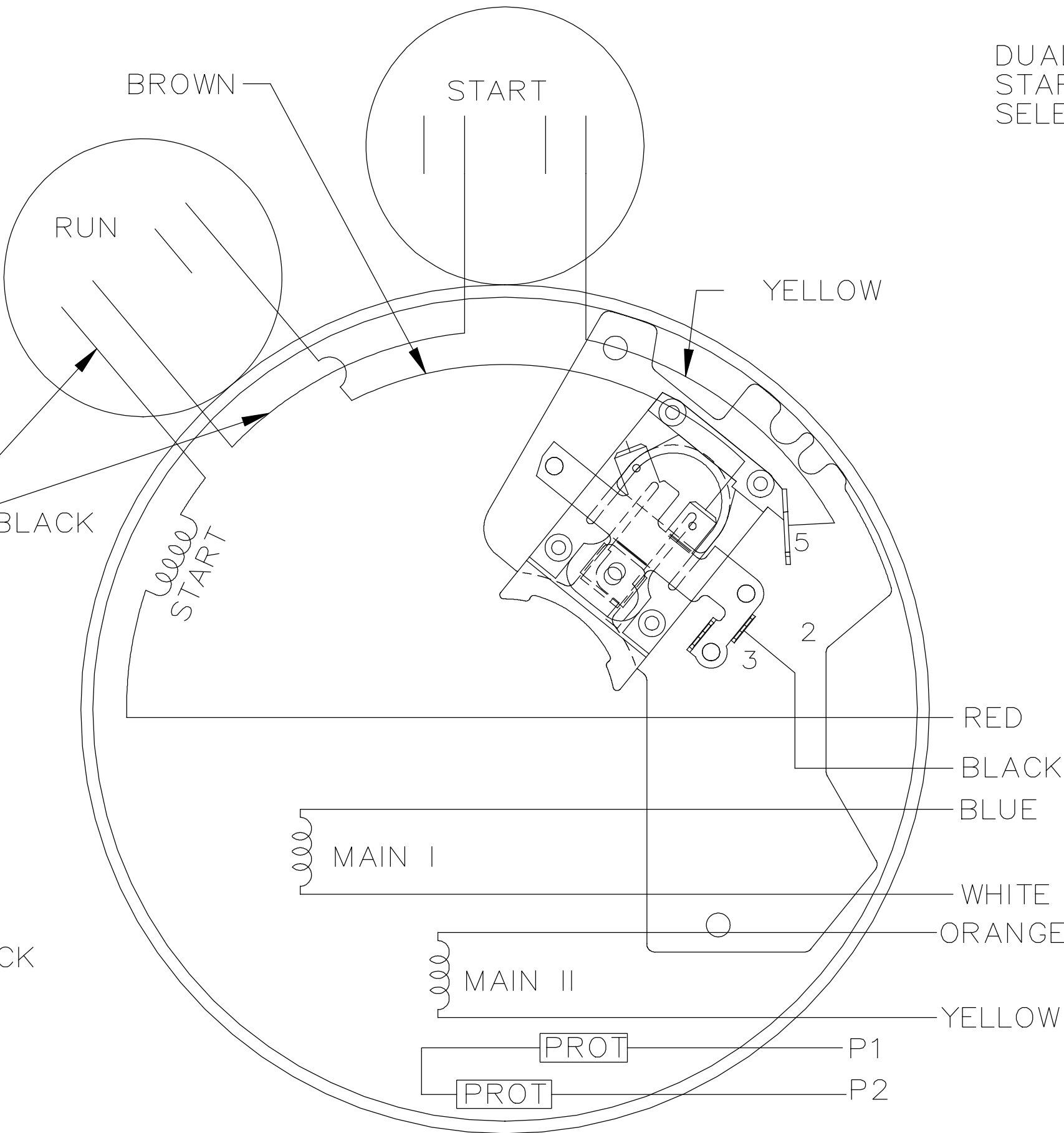
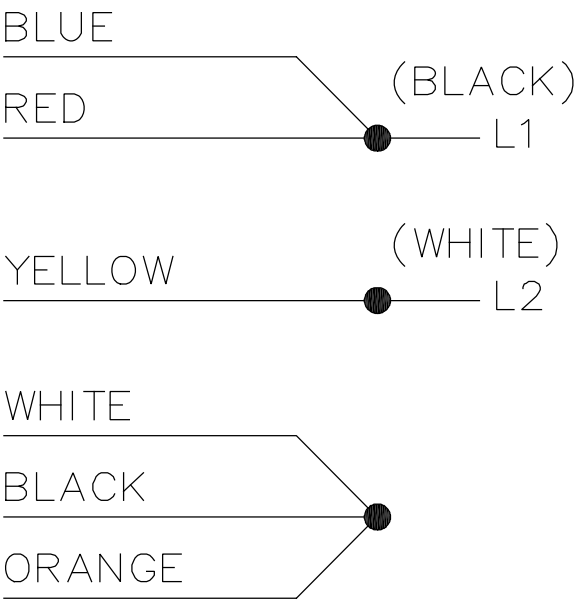


DUAL VOLTAGE CAPACITOR
START-CAP RUN NO OVERLOAD
SELECT ROTATION

LOW VOLTAGE C.C.W. ROTATION



HIGH VOLTAGE C.C.W. ROTATION



FOR C.W. ROTATION,
EITHER VOLTAGE,
INTERCHANGE RED
WITH BLACK LEAD

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.				DRAWN		SG		05/14/19					
				DEC.	INCHES					CHK		CD		05/14/19					
				.X	±.1					APPD		CD		05/14/19					
				.XX	±.02	TITLE CONNECTION DIAGRAM				SCALE		1:1							
				.XXX	±.005					REF		102006-51							
01	CONVERTED TO DWG FILE		SG	05/14/19	CD	.XXXX	±.0005	MAT'L.				FMF		PR141156					
NO.	REVISION		BY & DATE		CHK	ANG	± 7'30"	FINISH				PREV							
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					DIST WP							A	102006-51				01		

CERTIFICATION DATA SHEET

Model#: 56B34F5327 K
 CONN. DIAGRAM: 102006-51
 OUTLINE: A-100144-806

WINDING#: ZB203 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	3600	3450	56HC	TEFC	J	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	16.6/9.4-8.3	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 79	3/4 LOAD EFF: 76.4	1/2 LOAD EFF: 70.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 98.3	3/4 LOAD PF: 95.5	1/2 LOAD PF: 93.2	0	CAP START CAP RUN	4.2 / 2.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.98 LB-FT	122.6 / 61.3	7.37 LB-FT 247	7.73 LB-FT 259	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6203	6203	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	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

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INVERTER TORQUE: NONE		
INV. HP SPEED RANGE: NONE		
ENCODER: NONE		
NONE NONE		
NONE NONE PPR		
BRAKE:	PROVISIONS FOR KIT	NONE
NONE	P/N NONE	
NONE	NONE	
NONE FT-LB	NONE V	NONE Hz

DATE: 06/21/2017 09:21:36 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 2.00

 PHASE 1

 Model No 56B34F5327
60

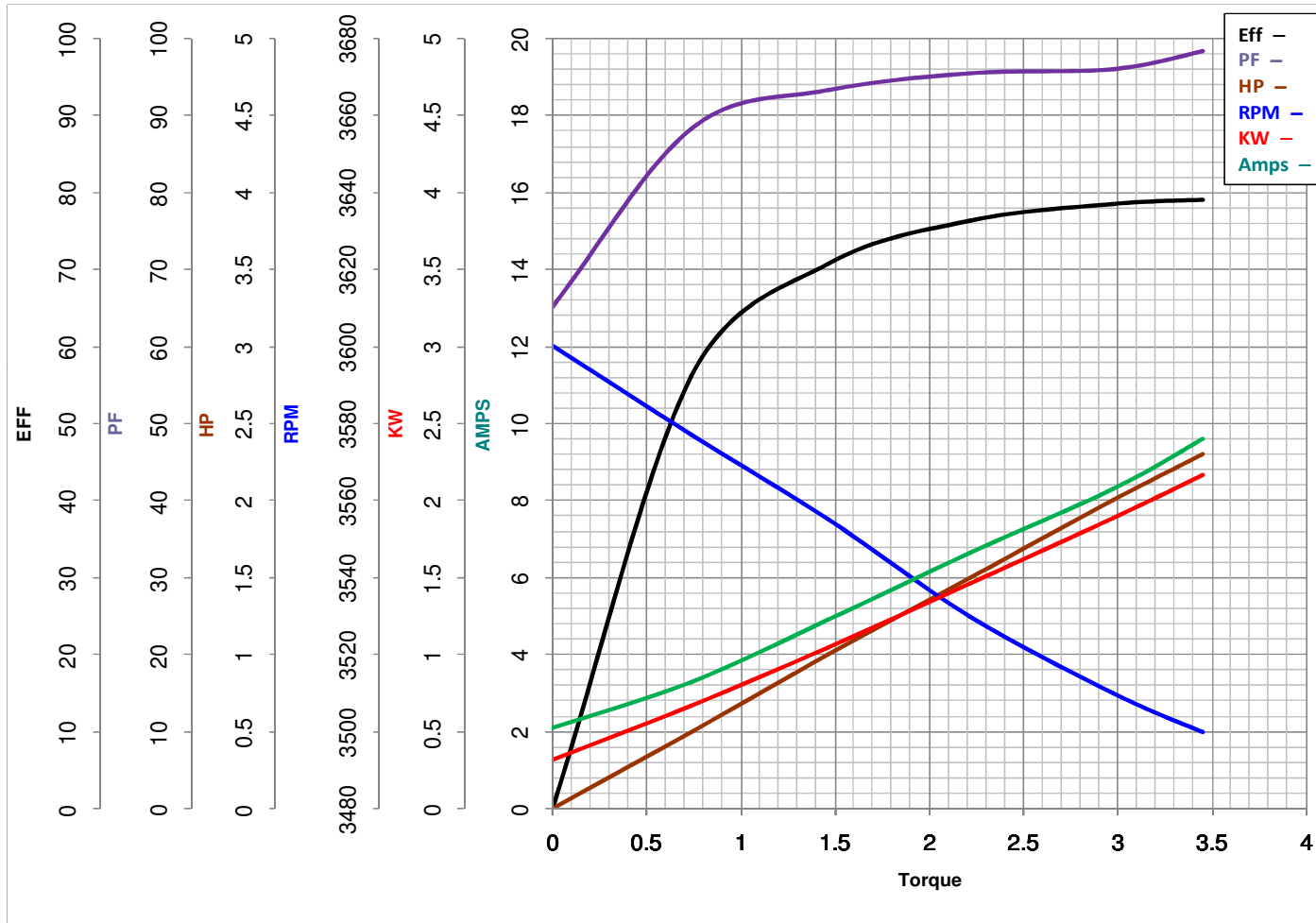
HZ

 VOLTS 115/208-230
2

HP

 Catalog No D315

 HZ 60

 RPM 3450


Torque in Lb.Ft

 FL TORQUE 2.98 Lb.Ft

 BD TORQUE 7.7 Lb.Ft

 LR TORQUE 7.37 Lb.Ft

 FL AMPS 16.6/9.4-8.3

 PU TORQUE 6.7 Lb.Ft

 LR AMPS 61.3

WINDING ZB203-3

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 : 056B34F5327

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

Catalog No : D315

Rework No : N/A

Directives :

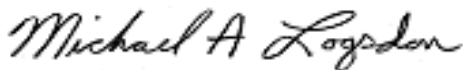
Low Voltage Directive 2014/35/EU

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