

PRODUCT INFORMATION PACKET



Model No: 048B17D11005

Catalog No: C147A

General Purpose Motor, 0.25 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 48 Frame, DP



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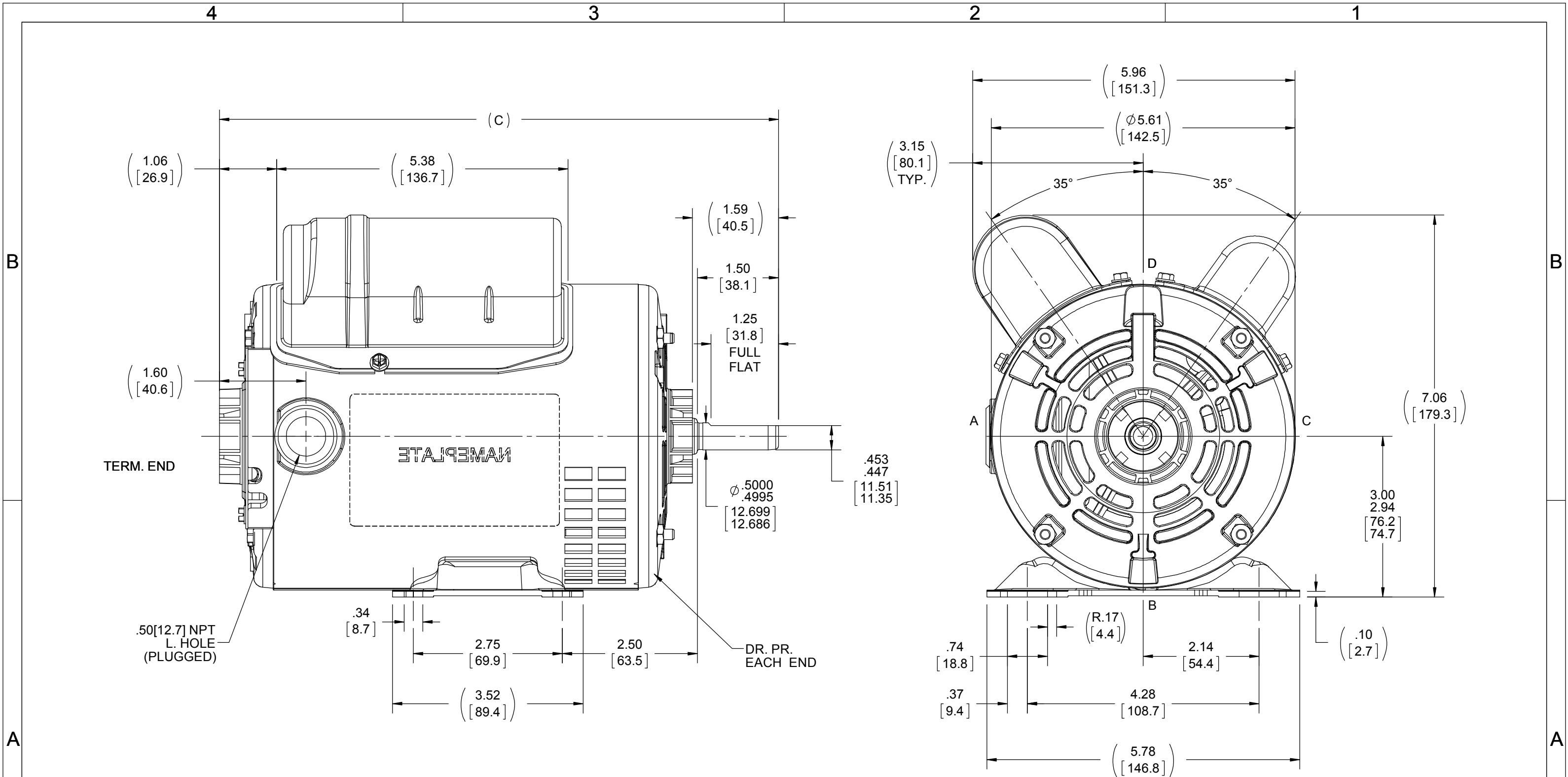


Nameplate Specifications

Phase	1	Output HP	0.25 Hp
Output KW	0.19 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.35
Frame	48	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	68.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.4/1.2 A	Power Factor	92.7
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	M
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 48	Overall Length	10.34 in
Frame Length	6.75 in	Shaft Diameter	0.500 in
Shaft Extension	1.59 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	B-SS404319-675	Connection Drawing	A-EE9002J-REGAL



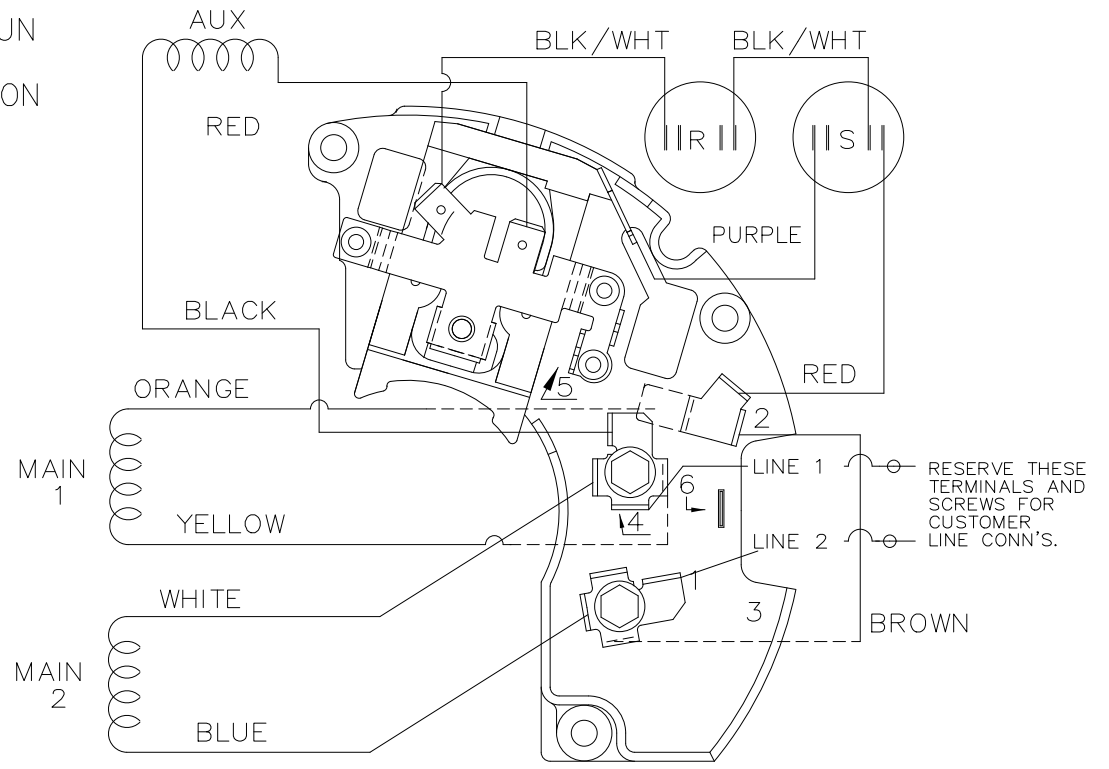
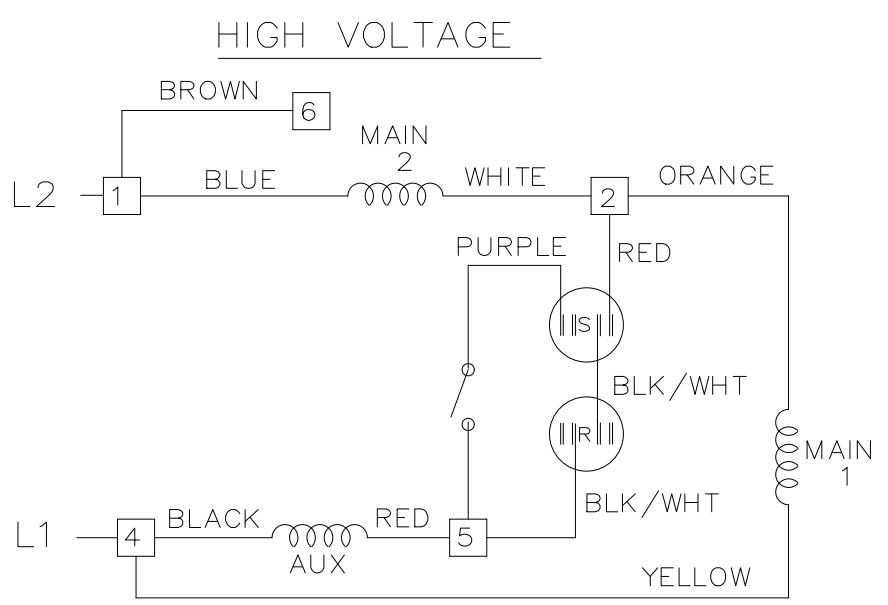
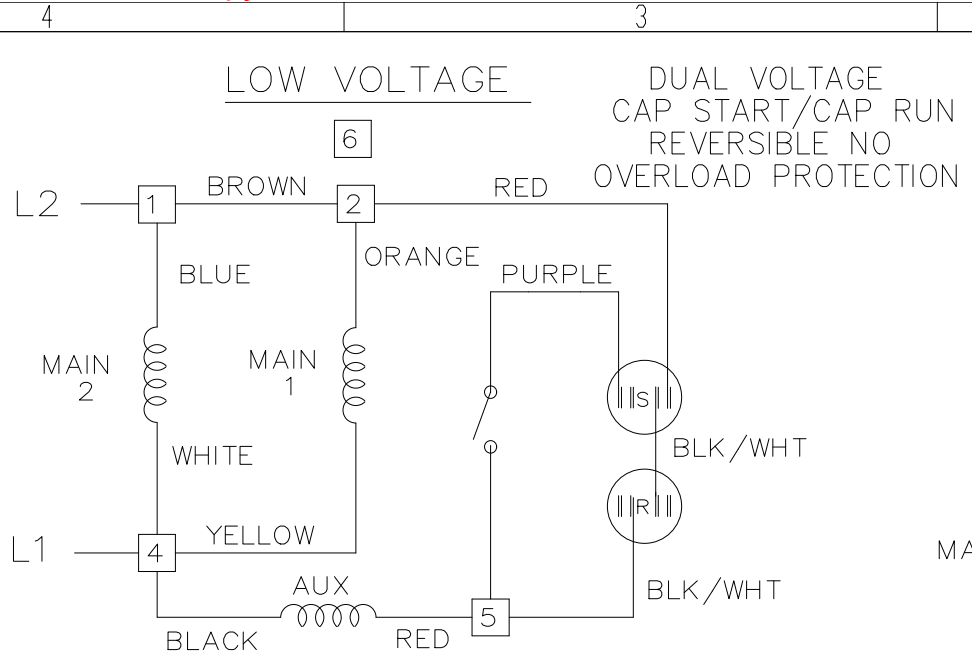
DRAWING REVISION A	REVISION BY S.MUDDA	REV DATE/© DATE 12/20/2018
ECO ECO-0166690	APPROVED BY	DATE
ECO DESCRIPTION OUTLINE CONVERSION PROJECT		
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TOLERANCES (EXCEPT AS NOTED):			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°			
CORNER FILLETS: R.02 [.5]			
MACHINED SURFACES: 200/5.1 INCH/mm			
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			

DRAWN BY S.MUDDA
DATE 12/20/2018
APPROVED BY D SURYAWANSHI
DATE 05/07/2019
REFERENCE SS404113
THIRD ANGLE PROJECTION

REGAL Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 48 FRAME	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS404319
	SHEET 1 OF 1

DASH	C
675	10.33 [262.4]



VIEWING TERM END

LOW VOLTAGE CCW ROTATION SHOWN.

FOR HIGH VOLTAGE
CONNECT BROWN TERM 2 TO TERM 6.
CONNECT WHITE TERM 4 TO TERM 2.

TO REVERSE ROTATION EITHER
VOLTAGE INTERCHANGE RED
LEAD WITH BLACK LEAD.

DASH LINES INDICATE LEADS CONNECTED
TO MOTOR SIDE OF SWITCH.

DRAWING REVISION 3	REVISION BY KVDG	REV DATE/ DATE 05/06/2025
REQUEST NUMBER ECR-0242555	APPROVED BY DS	DATE 05/06/2025

REQUEST NUMBER DESCRIPTION
UPDATED THE DRAWING TO RRX TEMPLATE.

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TOLERANCES (EXCEPT AS NOTED):			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.01	[±0.3]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [.08/.38] X 45			
CORNER FILLETS: R.02 [-.5]			
MACHINED SURFACES: 125 / 3.2			
INCH / mm			
mm DIMENSIONS IN [BRACKETS]			
ARE FOR REFERENCE ONLY			

DRAWN BY SVL
DATE 06/17/2013
APPROVED BY
DATE
REFERENCE EE9002J
THIRD ANGLE PROJECTION

Regal REXNORD		Regal Beloit America, Inc.	
DESCRIPTION CONNECTION DIAGRAM			
48 FR. - DUAL VOLTAGE REVERSIBLE			
MAT'L	PROCESS/FINISH PR132489	SIZE B	DRAWING NUMBER EE9002J
SHEET 1 OF 1			



REGAL REXNORD CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230 Volts
60 HZ
0.25 HP

HP 0.25

PHASE 1

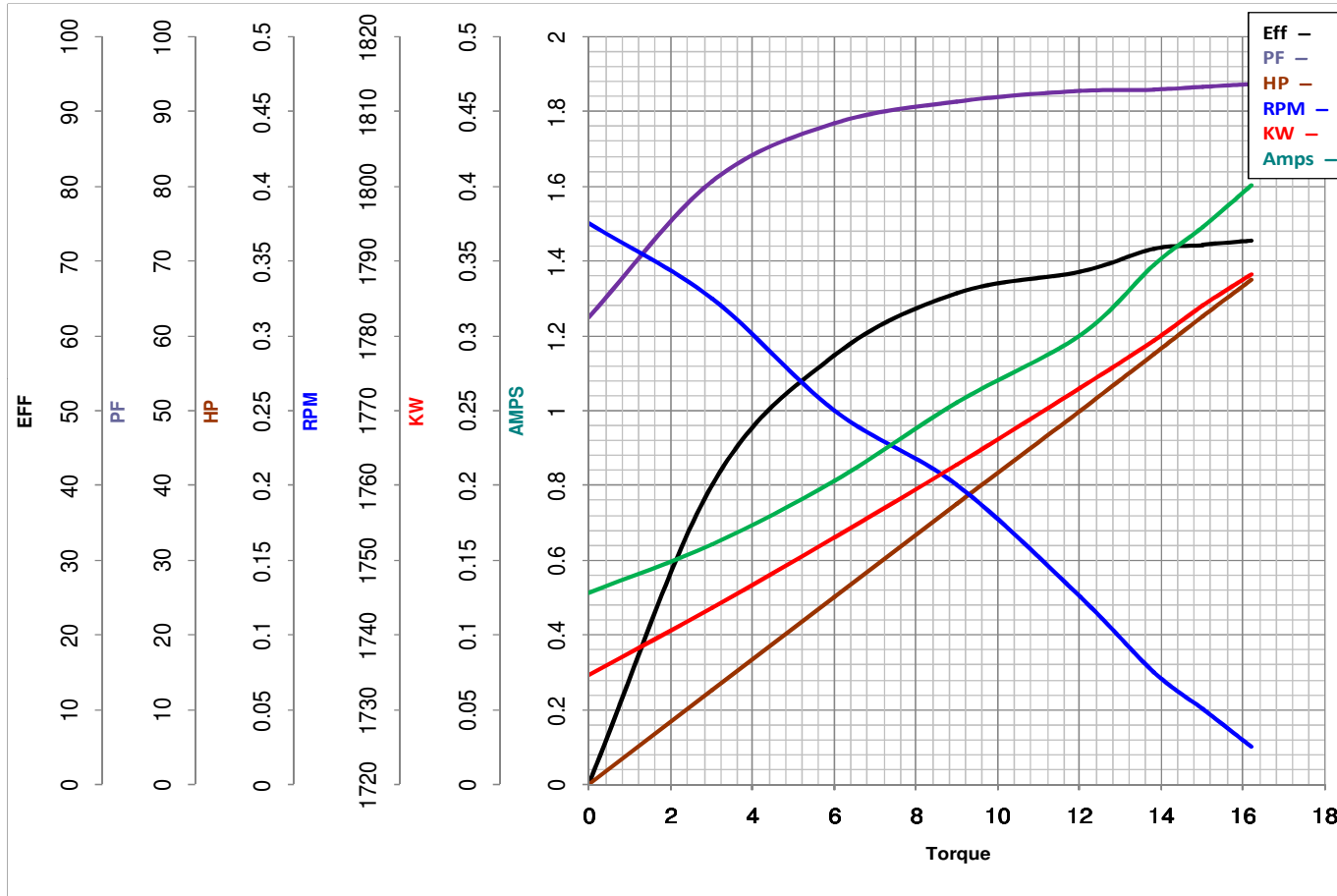
Model No 48B17D11005

VOLTS 115/230

Catalog No C147A

HZ 60

RPM 1725



			Torque in Oz.Ft		
FL TORQUE	<u>12</u>	Oz.Ft	FL AMPS	<u>2.4/1.2</u>	
BD TORQUE	<u>31.0</u>	Oz.Ft	PU TORQUE	<u>40.7</u>	Oz.Ft
LR TORQUE	<u>40.7</u>	Oz.Ft	LR AMPS	<u>10.7</u>	
WINDING	BE484113-3		Date	1/4/2019	

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

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 : 048B17D11005

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

Catalog No : C147A

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:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25