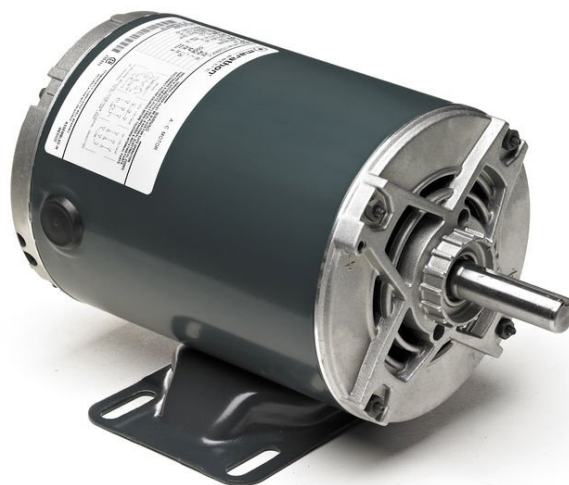


PRODUCT INFORMATION PACKET

Model No: 056T34D15596

Catalog No: K048A

General Purpose Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 56H Frame, DP



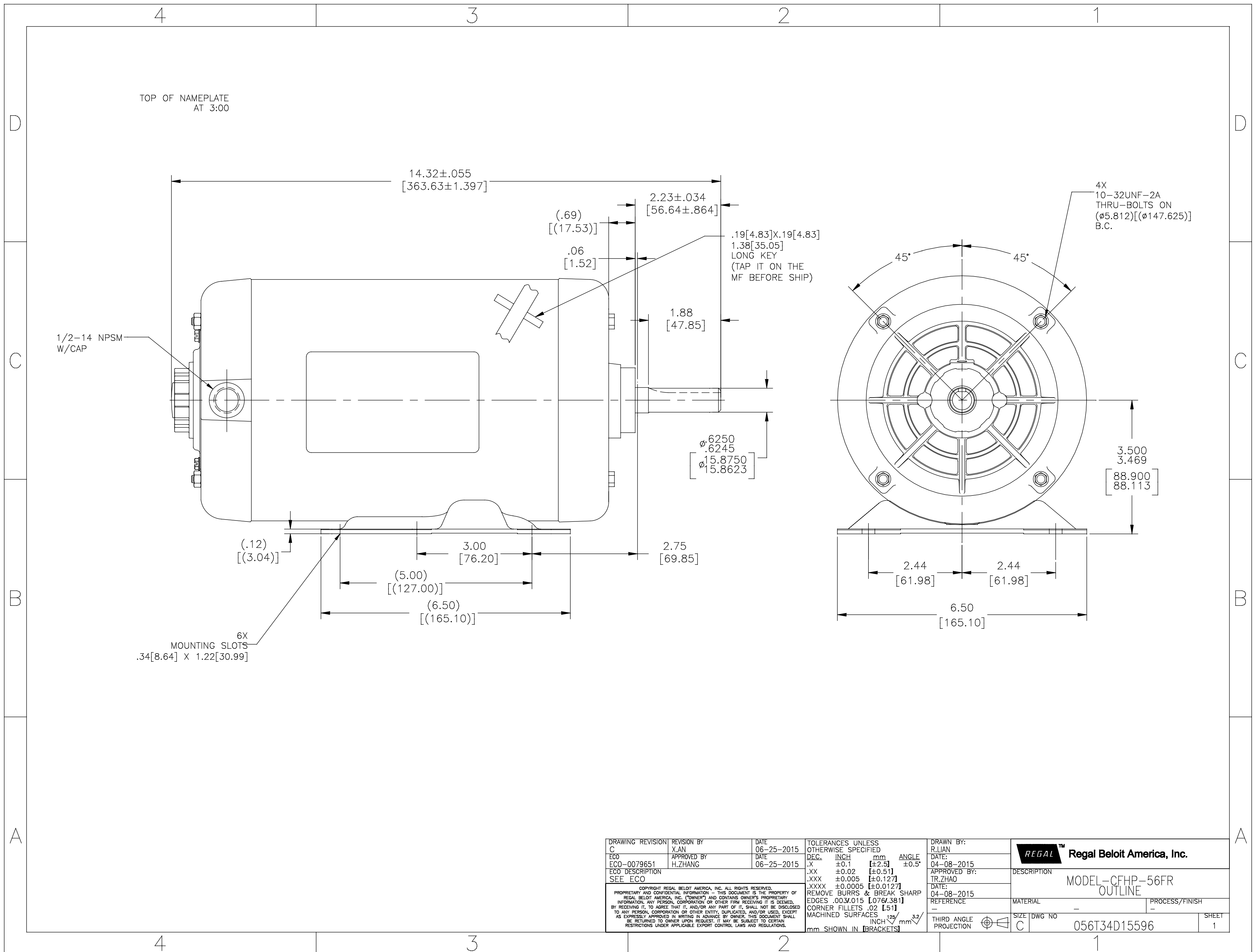
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Nameplate Specifications

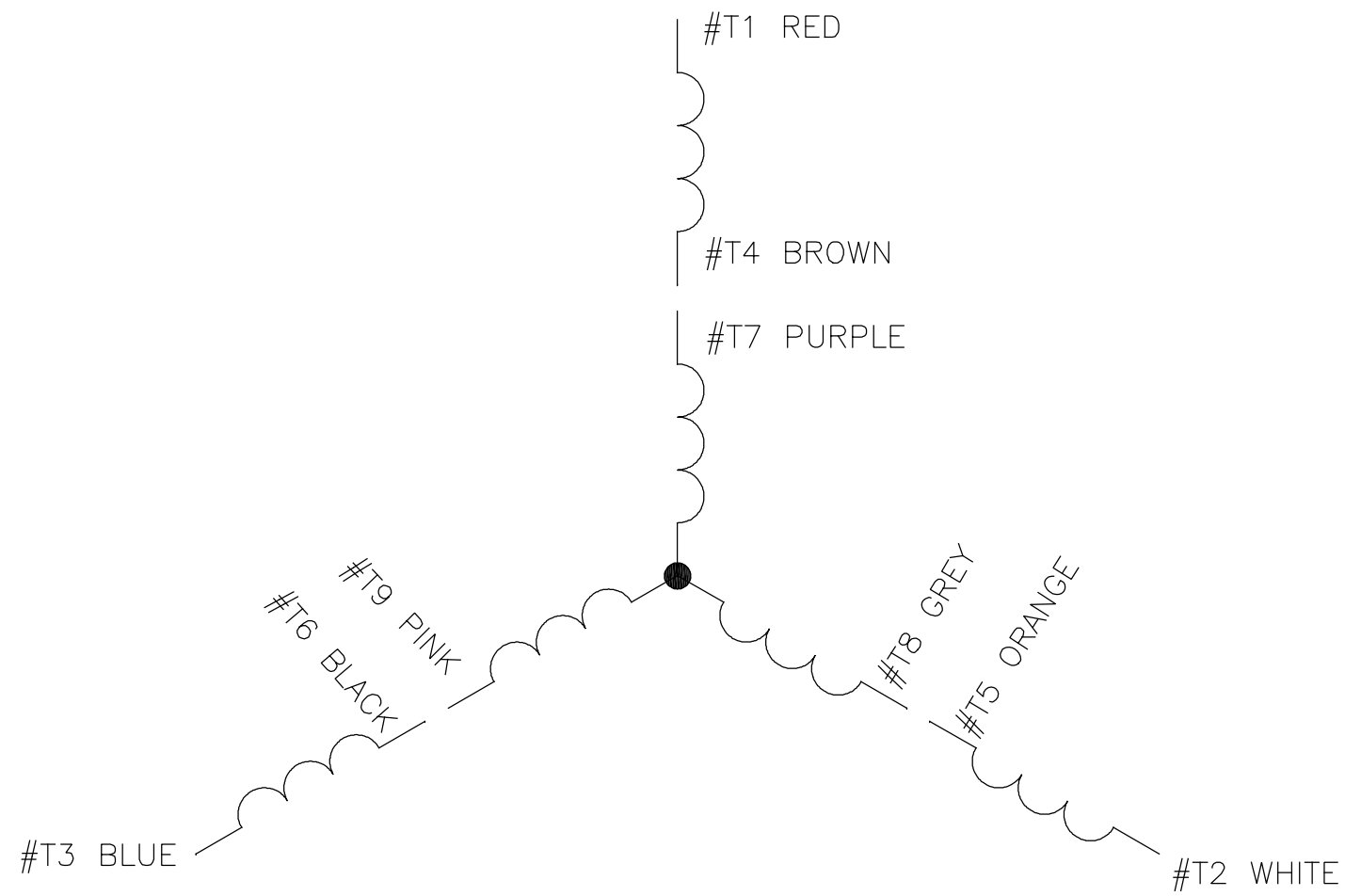
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.2/3.6 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Power Factor	84.1
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	P
Frame	56H	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	14.32 in	Frame Length	8.25 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 OUT ODE BRKT RADIAL	Inverter Load	VARIABLE 10:1
Outline Drawing	056T34D15596-S01	Connection Drawing	D0000561-001



DRAWING REVISION C	REVISION BY X.AN	DATE 06-25-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: R.LIAN	Regal Beloit America, Inc.
ECO ECO-0079651	APPROVED BY H.ZHANG	DATE 06-25-2015	DEC. INCH mm ANGLE .XX ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE: 04-08-2015	
ECO DESCRIPTION SEE ECO			REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381]	APPROVED BY: TR.ZHAO	DESCRIPTION MODEL-CFHP-56FR OUTLINE
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			CORNER FILLETS .02 [0.51]	DATE: 04-08-2015	MATERIAL
			MACHINED SURFACES 125/INCH 3.2/mm	REFERENCE	PROCESS/FINISH
			mm SHOWN IN [BRACKETS]	THIRD ANGLE PROJECTION	SIZE DWG NO
					056T34D15596
					SHEET 1



CONNECT AS FOLLOWS

HIGH VOLTAGE	
#T1 - RED	LINE A
#T2 - WHITE	LINE B
#T3 - BLUE	LINE C
#T4 - BROWN	TIE TOGETHER
#T7 - PURPLE	TIE TOGETHER
#T5 - ORANGE	TIE TOGETHER
#T8 - GREY	TIE TOGETHER
#T6 - BLACK	TIE TOGETHER
#T9 - PINK	TIE TOGETHER

LOW VOLTAGE	
#T1 - RED	LINE A
#T7 - PURPLE	LINE B
#T2 - WHITE	LINE B
#T8 - GREY	LINE B
#T3 - BLUE	LINE C
#T9 - PINK	LINE C
#T5 - ORANGE	TIE TOGETHER
#T6 - BLACK	TIE TOGETHER
#T4 - BROWN	TIE TOGETHER

NOTES:

1. LEADS MAY BE MULTICOLORED AS SHOWN FOR GROUP -01 OR SINGLE COLOR FOR GROUP -02. IN EITHER CASE THE NUMBERING SEQUENCE WILL BE THE SAME.

OPTIONAL CORD CONNECTION WHEN SPECIFIED IN BOM
 LINE A _____ WHITE
 LINE B _____ RED
 LINE C _____ BLACK

DRAWING REVISION A	REVISION BY H.ZHANG	DATE 12-11-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY: H.ZHANG	Regal Beloit America, Inc.
ECO ECO-0067205	APPROVED BY J.ZHAN	DATE 12-11-2014	REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] CORNER FILLETS .02 [.51] MACHINED SURFACES $\frac{125}{\text{INCH}} \sqrt{\frac{3.2}{\text{mm}}}$ mm SHOWN IN [BRACKETS]	DATE: 12-11-2014	
ECO DESCRIPTION NEW			COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.	APPROVED BY: J.ZHAN	DESCRIPTION CONN DIAGRAM-EXTERNAL
				DATE: 12-11-2014	MATERIAL
				REFERENCE	PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE DWG NO C D0000561-001
					SHEET 1



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

HP 3&2

PHASE 3

Model No 56T34D15596

60

HZ

VOLTS 230/460&190/380

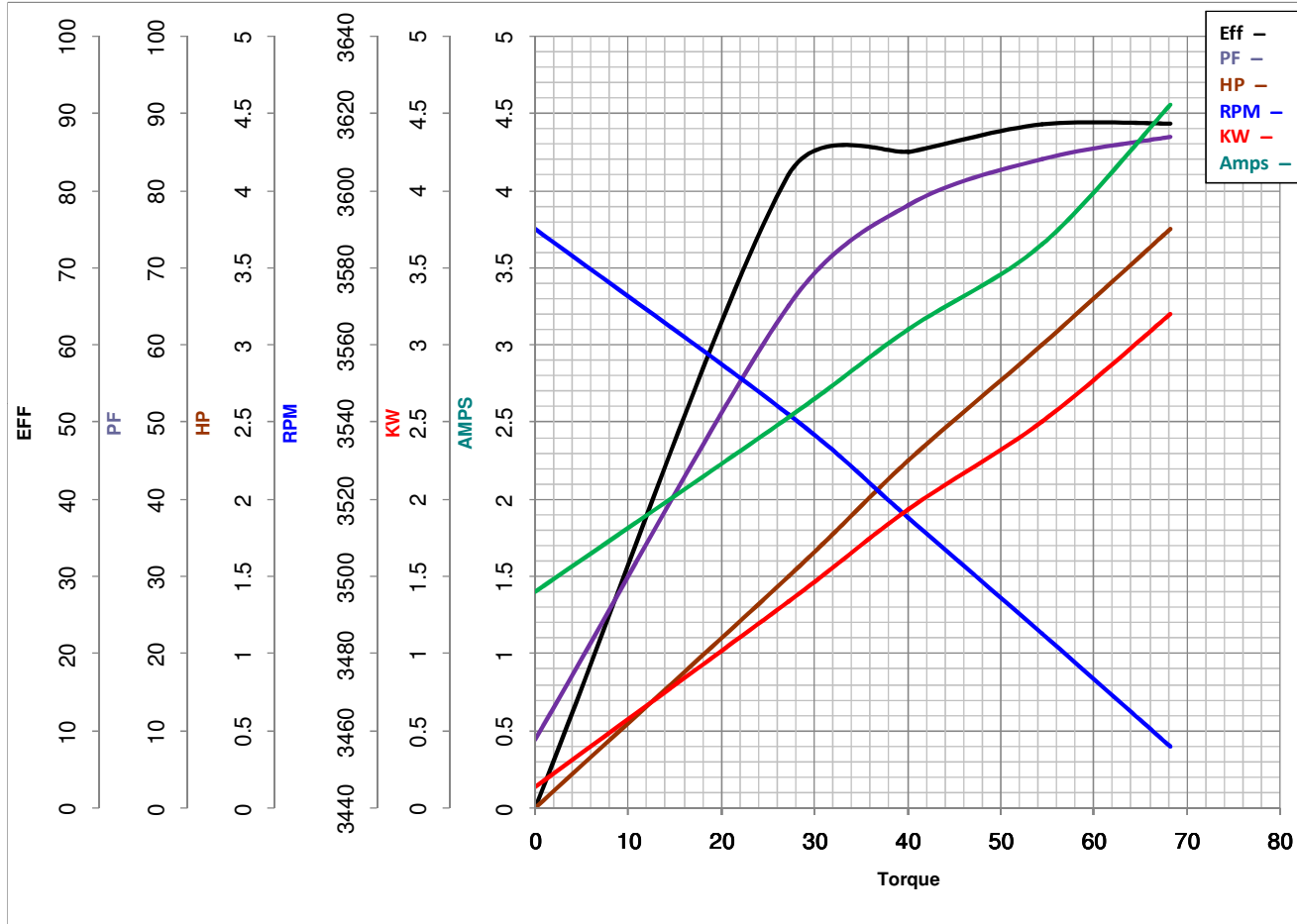
3

HP

Catalog No K048A

HZ 60&50

RPM 3450&2850



Torque in LB-Ft

FL TORQUE 54.47 LB-Ft
BD TORQUE 470.0 LB-Ft
LR TORQUE 437 LB-Ft

FL AMPS 7.2/3.6
PU TORQUE 400.0 LB-Ft
LR AMPS 48

WINDING SS0074667-

Date 3/12/2019

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 : 056T34D15596

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

Catalog No : K048A

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