

PRODUCT INFORMATION PACKET



Model No: 056C64DRS40002A1

Catalog No: C419A

Fan and Blower Motor, 0.50 & 0.17 HP, 1 Ph, 60 Hz, 115 & 115 V, 1800 & 1800 RPM, 56 Frame, DP



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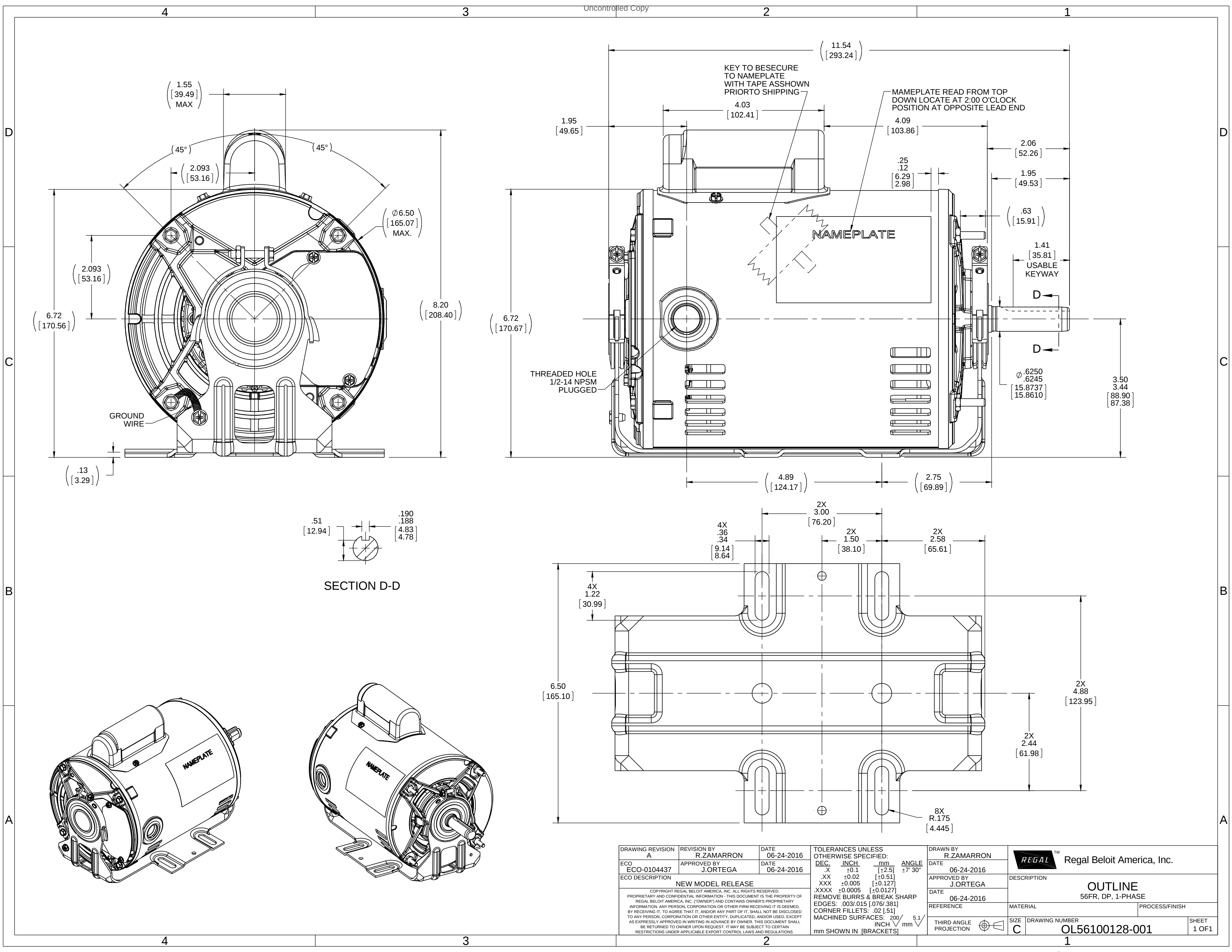


Nameplate Specifications

Phase	1	Output HP	0.50 & 0.17 Hp
Output KW	0.37 & 0.13 kW	Voltage	115 & 115 V
Speed	1725 & 1140 rpm	Service Factor	1.25 & 1.25
Frame	56	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	64 & 42 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.7 & 4.7 A	Power Factor	66
Duty	Continuous	Insulation Class	B
Design Code	2VT	KVA Code	L
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	2		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4//6	Rotation	Selective Counterclockwise
Resistance Main	4.86 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.54 in
Frame Length	7.15 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	OL56100128-001	Connection Drawing	CDCM101



DRAWING REVISION A		REVISION BY R.ZAMARRON	DATE 06-24-2016	TOLERANCES UNLESS OTHERWISE SPECIFIED:				DRAWN BY R.ZAMARRON		 Regal Beloit America, Inc.			
ECO ECO-0104437	APPROVED BY J.ORTEGA		DATE 06-24-2016	DEC.	INCH	mm	ANGLE ±7° 30"	DATE 06-24-2016	DESCRIPTION				
ECO DESCRIPTION NEW MODEL RELEASE				.X	±0.1	[±2.5]		APPROVED BY J.ORTEGA	OUTLINE				
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.				.XX	±0.02	[±0.51]		DATE 06-24-2016	56FR, DP, 1-PHASE				
				.XXX	±0.005	[±0.127]		REFERENCE	MATERIAL		PROCESS/FINISH		
				.XXXX	±0.0005	[±0.0127]		THIRD ANGLE PROJECTION		DRAWING NUMBER		SHEET	
				EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm SHOWN IN [BRACKETS]				SIZE C		OL56100128-001		1 OF 1	



CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER

ORDER #:

PO#:

CONN. DIAGRAM: CDCM101

MODEL #: 56C64DRS40002A1 A

CUSTOMER PART

OUTLINE: OL56100128-001

#:

MOUNTING: F1 ONLY

WINDING #: NC56(4-6)1 1 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&0.16	0.37&0.25	1200	1725&1140	56	DP	L	2VT

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60/60	115&115	7.7&4.7	ACROSS THE LINE	CONTINUOUS	B3	1.25/1.25	40

FULL LOAD EFF:	64	3/4 LOAD EFF:	37.5	1/2 LOAD EFF:	30	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	66	3/4 LOAD PF:	48	1/2 LOAD PF:	41.5	0	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12 OZ-FT	39.8	34.23 OZ-FT 285 %	30.74 OZ-FT 256 %	-

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
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6203	6203	POLYREX EM	STANDARD 56	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

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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

REV 1 - CHANGED LOGO FROM MARATHON TO LEESON - 3/25/2025

PREPARED BY: Bhargavi Dontham

DATE: 08/29/2018 04:07:37 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.



CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER

ORDER #:

PO#:

CONN. DIAGRAM: CDCM101

MODEL #: 56C64DRS40002A1 A

CUSTOMER PART

OUTLINE: OL56100128-001

#:

MOUNTING: F1 ONLY

WINDING #: NC56(4-6)1 1 A

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1/2&0.16	0.37&0.25	1800	1725&1140	56	DP	L	2VT

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60/60	115&115	7.7&4.7	ACROSS THE LINE	CONTINUOUS	B3	1.25/1.25	40

FULL LOAD EFF:	64	3/4 LOAD EFF:	61	1/2 LOAD EFF:	54	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	66	3/4 LOAD PF:	58	1/2 LOAD PF:	47	59.5	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 OZ-FT	40.6	37.12 OZ-FT 155 %	62.3 OZ-FT 260 %	-

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.

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STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6203	6203	POLYREX EM	STANDARD 56	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

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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

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REV 1 - CHANGED LOGO FROM MARATHON TO LEESON - 3/25/2025

PREPARED BY: Bhargavi Dontham

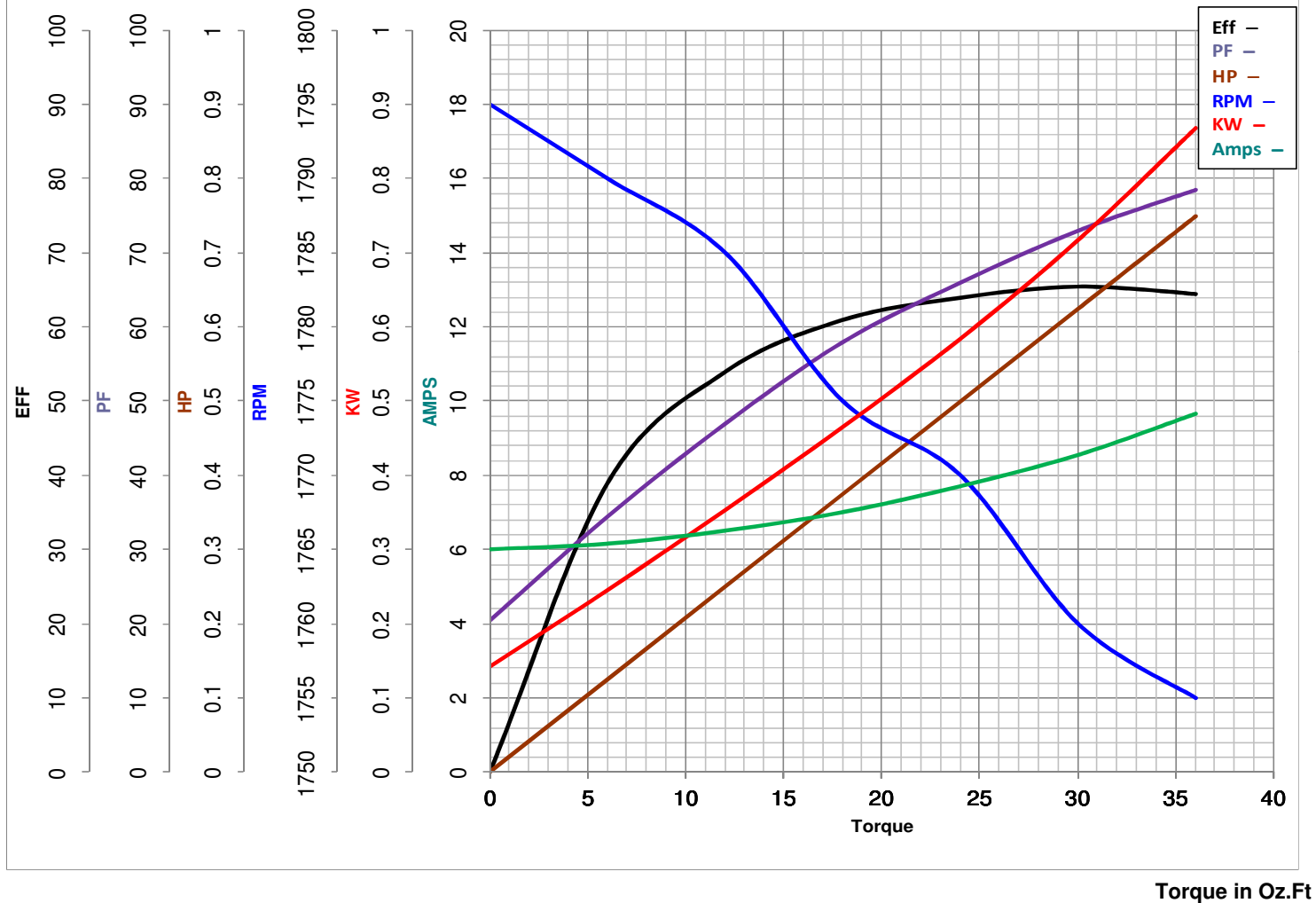
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FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Customer WW Grainger
REGAL REXNORD CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR
Model No 56C64DRS40002A1Curve at 115
60
0.5Volts
HZ
HPHP 0.5&0.16PHASE 1VOLTS 115&115Catalog No C419A

HIGH SPEED

HZ 60&60RPM 1725&1140

Torque in Oz.Ft

 FL TORQUE 24 Oz.Ft
 BD TORQUE 62.3 Oz.Ft
 LR TORQUE 37.12 Oz.Ft

 FL AMPS 7.7
 PU TORQUE 27.1 Oz.Ft
 LR AMPS 40.6

WINDING NC56(4-6)1-1

Prepared By BHARGAVI

Date 8/27/2018



REGAL REXNORD CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer WW Grainger

Curve at

115

Volts

HP 0.5&0.16PHASE 1Model No 56C64DRS40002A160

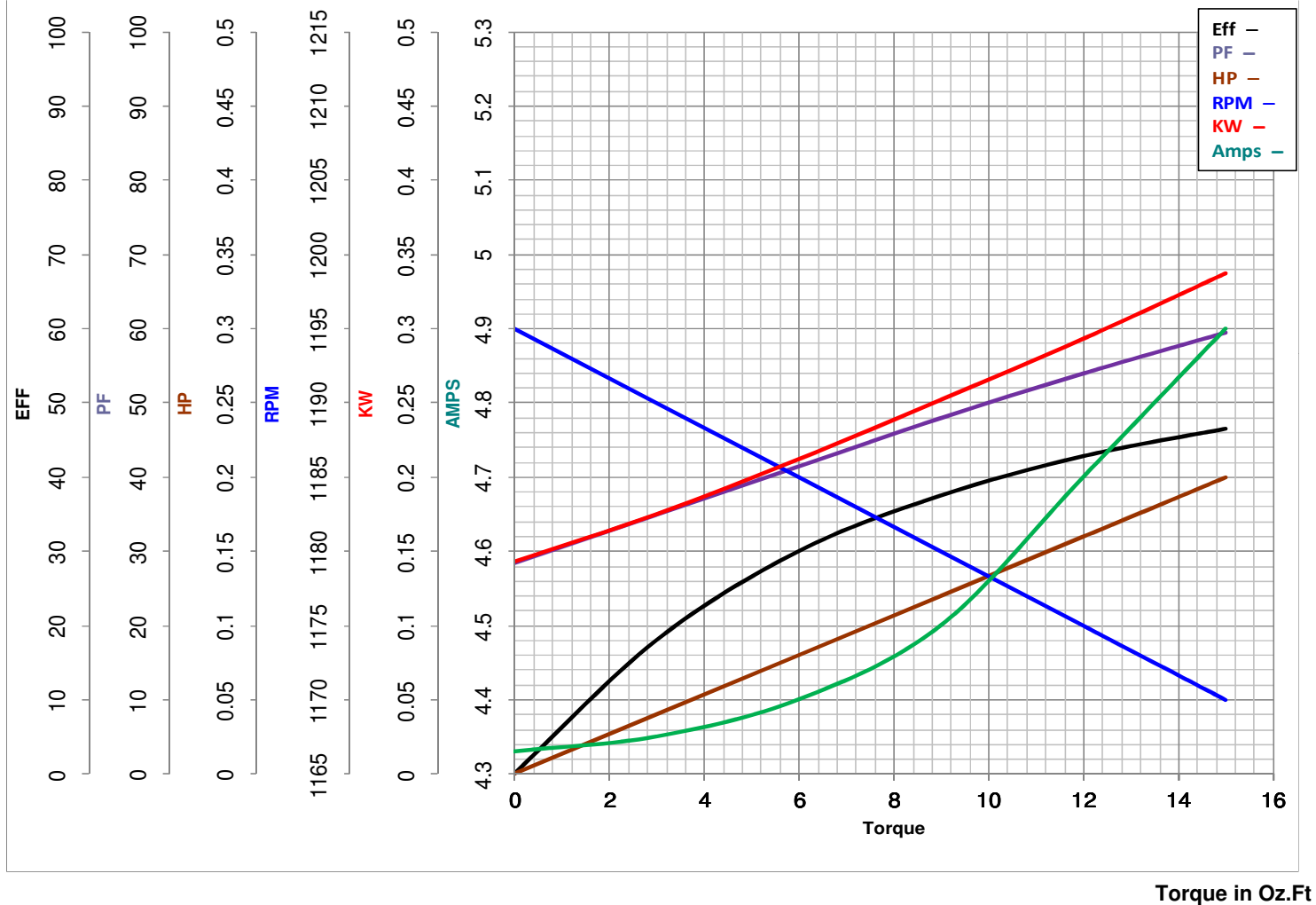
HZ

0.16

HP

VOLTS 115&115Catalog No C419A

LOW SPEED

HZ 60&60RPM 1725&1140

Torque in Oz.Ft

FL TORQUE 12 Oz.FtBD TORQUE 30.7 Oz.FtLR TORQUE 34.23 Oz.FtFL AMPS 7.7PU TORQUE 23.9 Oz.FtLR AMPS 39.8

WINDING NC56(4-6)1-1

Prepared By

BHARGAVI

Date

8/27/2018

REV 1 - CHANGED LOGO FROM MARATHON TO LEESON - 3/25/2025

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 : 056C64DRS40002A1

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

Catalog No : C419A

Rework No : N/A

Directives :

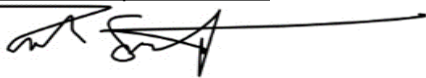
Low Voltage Directive 2014/35/EU

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