

PRODUCT INFORMATION PACKET



Model No: E100055.00

Catalog No: E100055.00

ecoSaver™ General Purpose Motor, 0.75 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, S56C Frame, DP

Operational at 208-115/230 V @60HZ



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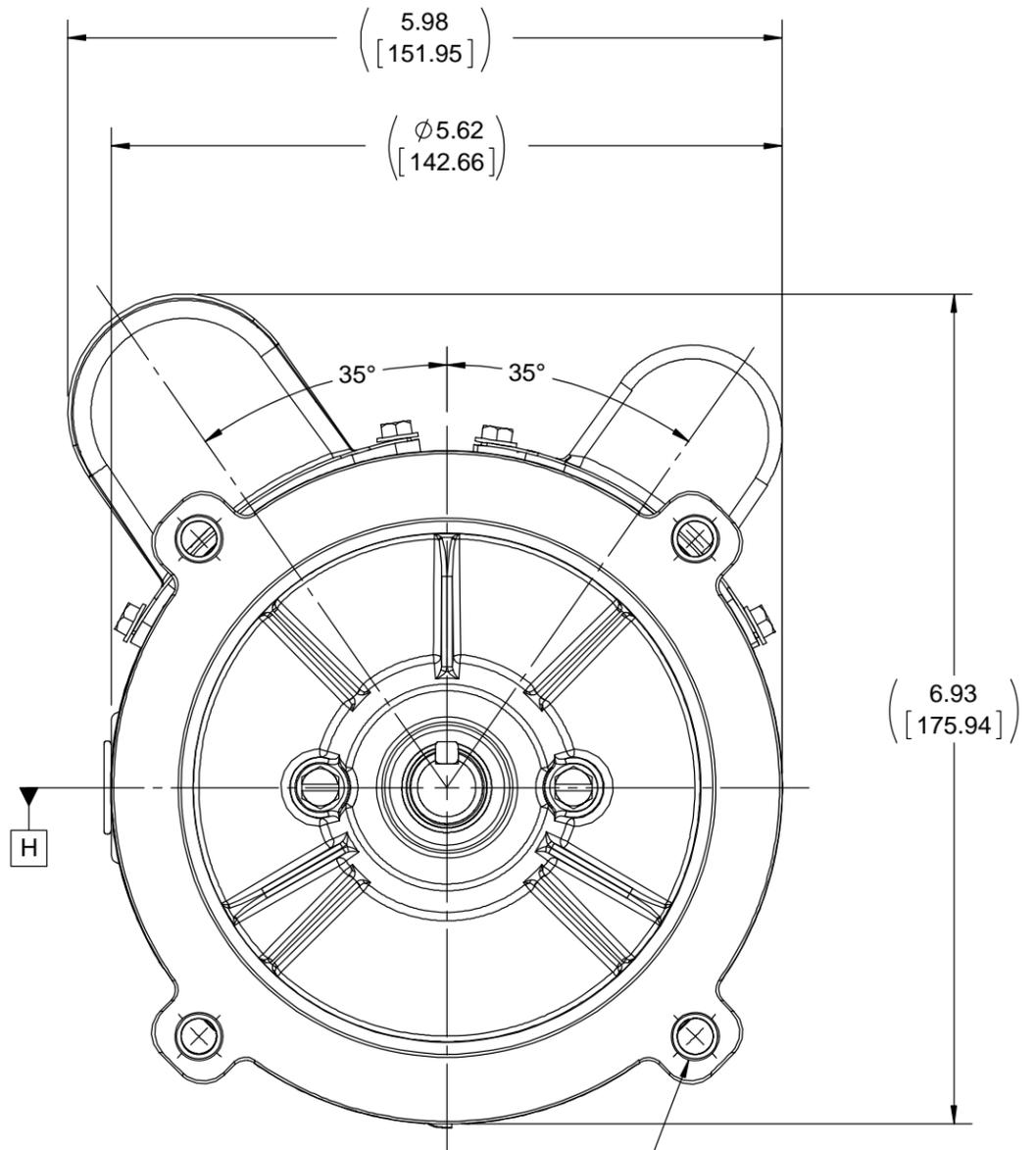
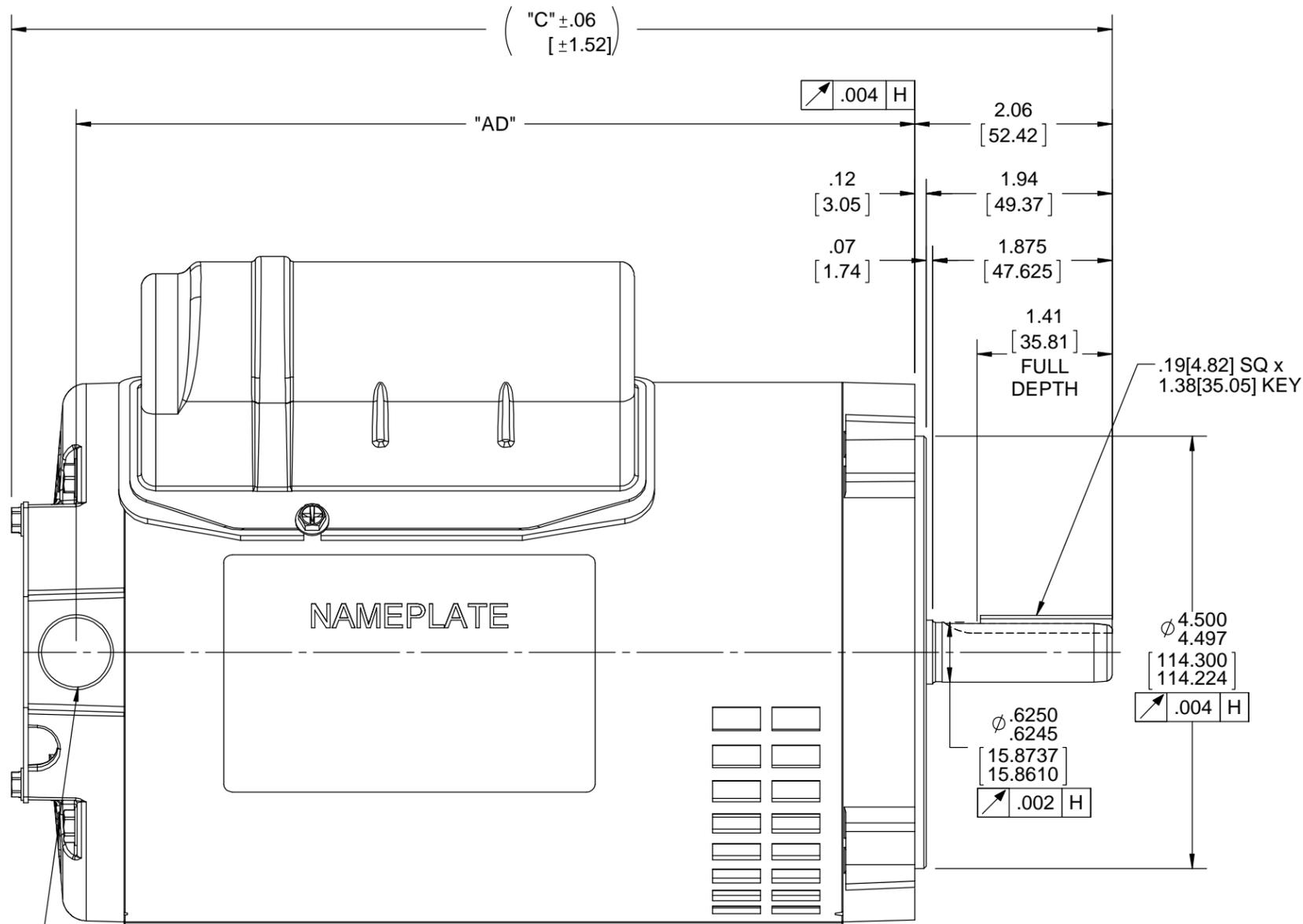


Nameplate Specifications

Phase	1	Output HP	0.75 Hp
Output KW	0.56 kW	Voltage	115/230 V
Speed	3515 rpm	Service Factor	1.25
Frame	S56C	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	76.2 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.2/3.6 A	Power Factor	89.2
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	K
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	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.49 in
Frame Length	7.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.87 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS404326-750	Connection Drawing	005053.40



1/2-14 NPT
CONDUIT HOLE
(PLUGGED)

DASH NO.	"C"	"AD"
750	11.49[291.84]	8.75[222.25]

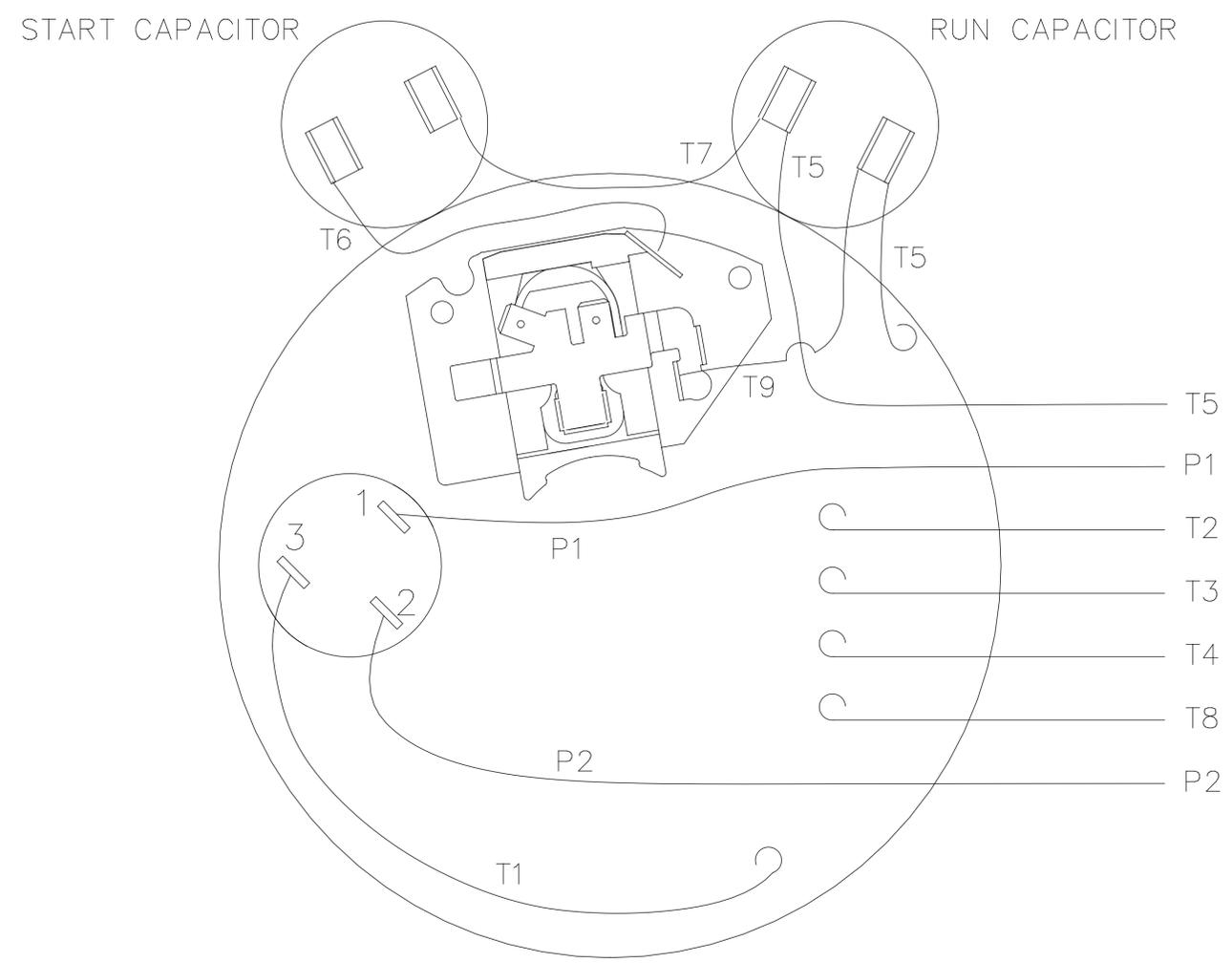
DRAWING REVISION	REVISION BY	DATE
A		
ECO	APPROVED BY	DATE
ECO-0157933		
ECO DESCRIPTION		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°			
CORNER FILLETS: R.02 [0.51]			
MACHINED SURFACES: 125 3.2			
mm SHOWN IN [BRACKETS]			

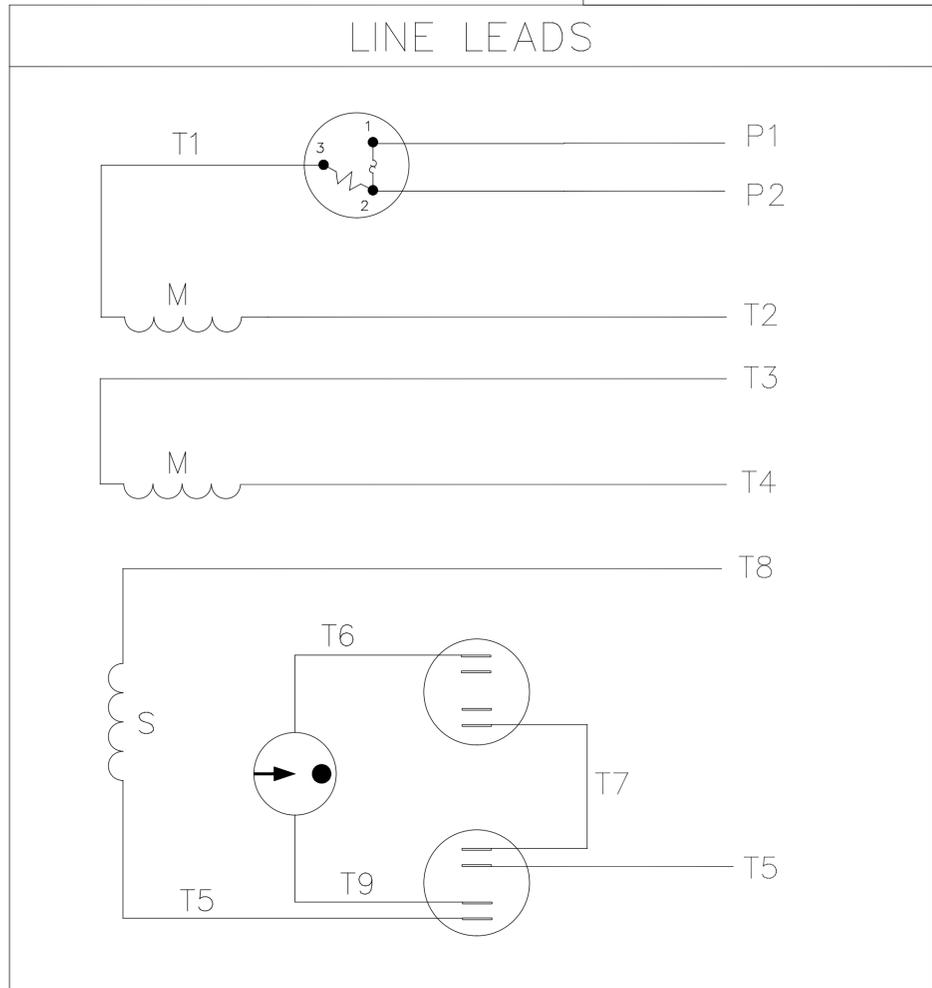
DRAWN BY H. ADIKE
DATE 11/20/2018
APPROVED BY JD
DATE 12/6/2018
REFERENCE SS404121
THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE S56 FRAME ROUND MOUNT - DRIP PROOF
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS404326
	SHEET 1 OF 1

005053-40



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATE
HIGH VOLT	C.C.W.	P1	T4,T5	T2,T3 T8	P2
	C.W.	P1	T4,T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2 T3,T8	---
	C.W.	P1	T2,T4 T8	P2 T3,T5	---

		TOLERANCES UNLESS SPECIFIED	
		DEC.	INCHES
		.X	±.1
		.XX	±.01
		.XXX	±.005
A	CHANGED LOGO TO REGAL	PST	2/1/16
NO.	REVISION	BY & DATE	CHK
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		DIST	

Regal Beloit America, Inc.

DRAWN PG 7/2/02	
CHK	
APPD	
TITLE	EXTERNAL WIRING DIAGRAM TYPE "K" W/PROTECTOR
SCALE	5=8
REF	005053.01
MAT'L.	DUAL VOLTAGE - DUAL ROTATION
FINISH	
CAD FILE	00505340
SIZE	DRAWING NO.
A	005053-40
REV.	A



**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CERTIFICATION DATA SHEET

CATALOG #: E100055.00

CONN. DIAGRAM: 005053.40

OUTLINE: A-SS404326-750

MOUNTING: F1 ONLY

WINDING #: BE48278 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	3600	3515	S56C	DP	K	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	7.2/3.6	ACROSS THE LINE	CONTINUOUS	B3	1.25	40

FULL LOAD EFF:	76.2	3/4 LOAD EFF:	74.1	1/2 LOAD EFF:	69.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	89.2	3/4 LOAD PF:	86	1/2 LOAD PF:	79.4	72		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
18.2 OZ-FT	57.5 / 28.8	54.12 OZ-FT 297 %	51 OZ-FT 280 %	30

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	10 SEC.	0	27 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN - LEESON WATTSAVER

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	MULTEMP SRL	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

*
N
O
T
E
S

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

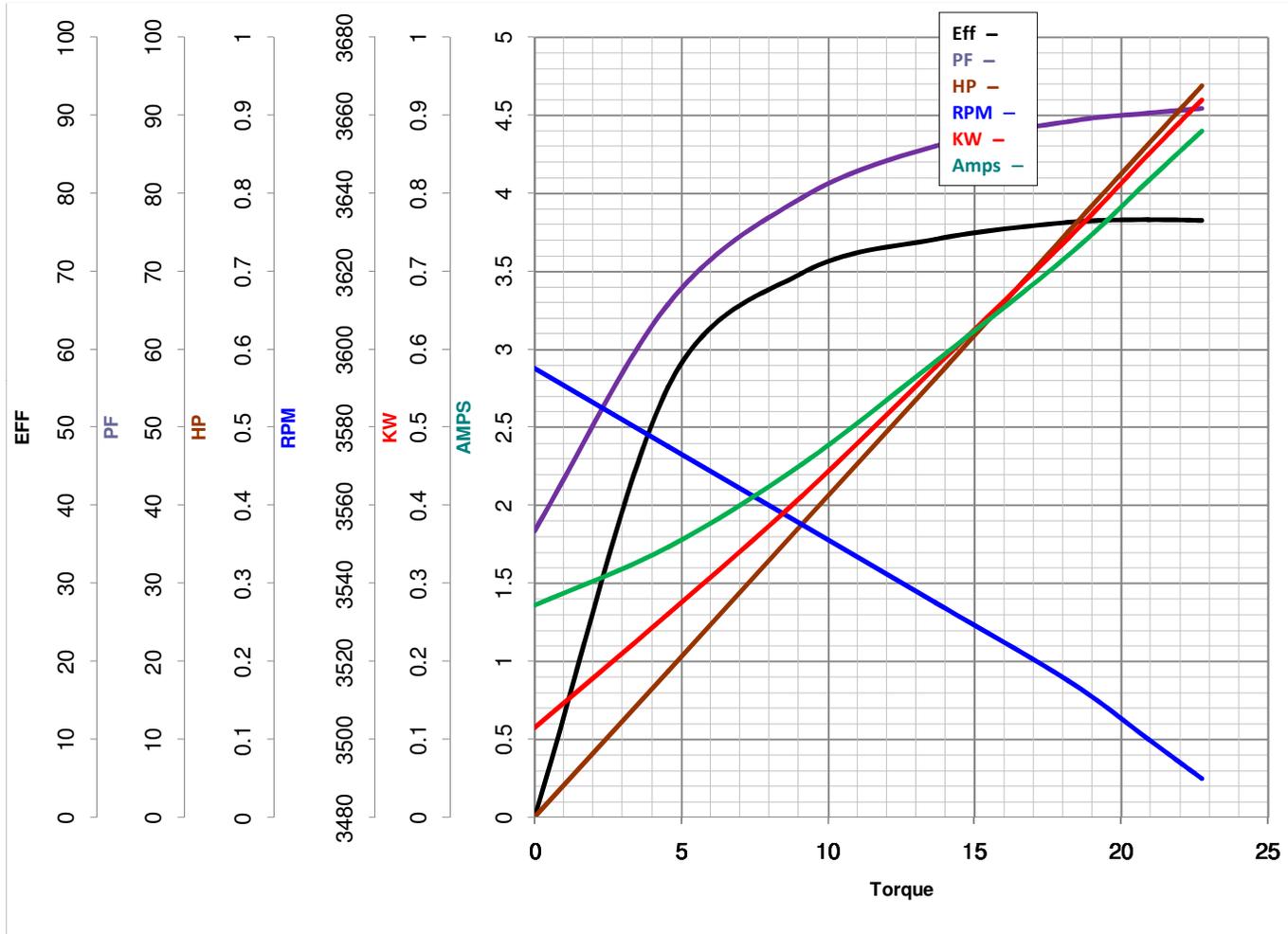


LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No E100055.00

Catalog No E100055.00

Curve at 230 Volts HP 0.76 PHASE 1
60 HZ
0.75 HP VOLTS 115/230
 HZ 60 RPM 3515



Torque in Oz.Ft

FL TORQUE 18.2 Oz.Ft
 BD TORQUE 51.0 Oz.Ft
 LR TORQUE 54.12 Oz.Ft

FL AMPS 7.2/3.6
 PU TORQUE 53.1 Oz.Ft
 LR AMPS 28.77

WINDING BE48278-3

Date 4/10/2018

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 : E100055.00

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

Catalog No : E100055.00

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:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25