PRODUCT INFORMATION PACKET

Model No: 056B17DRR70037A1
Catalog No: C185B
General Purpose Motor, 1.50 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 56 Frame, DP

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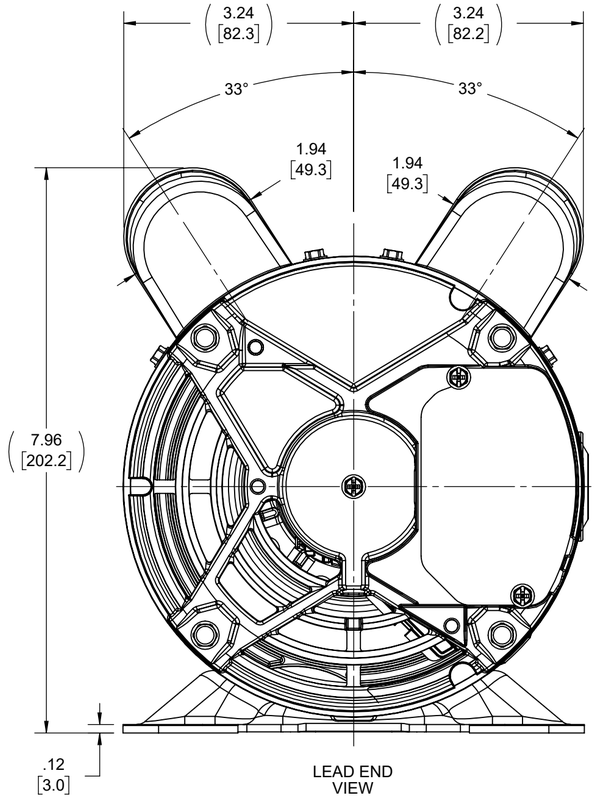
Nameplate Specifications

Phase	1	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	115/208-230 V
Speed	1725 rpm	Service Factor	1.2
Frame	56	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	83.8 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	12.6/6.4-6.3 A	Power Factor	96
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

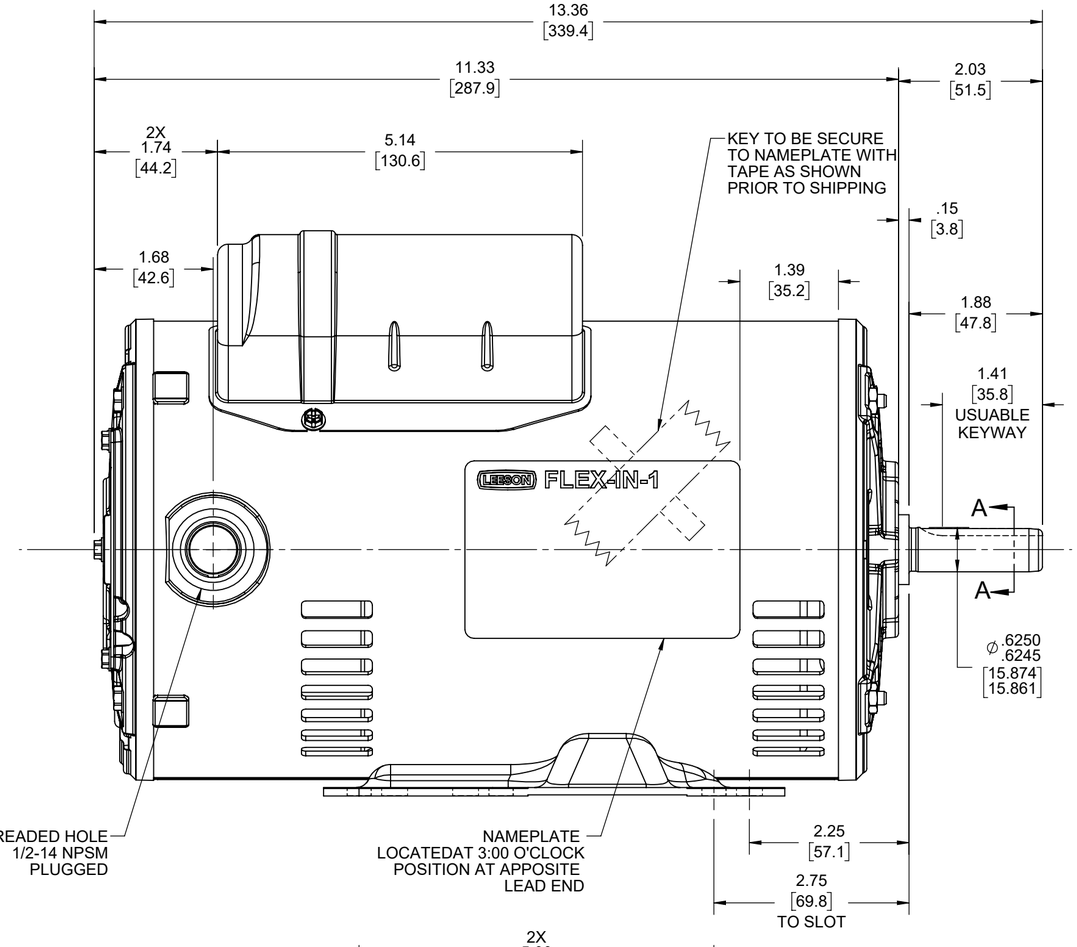
Technical Specifications

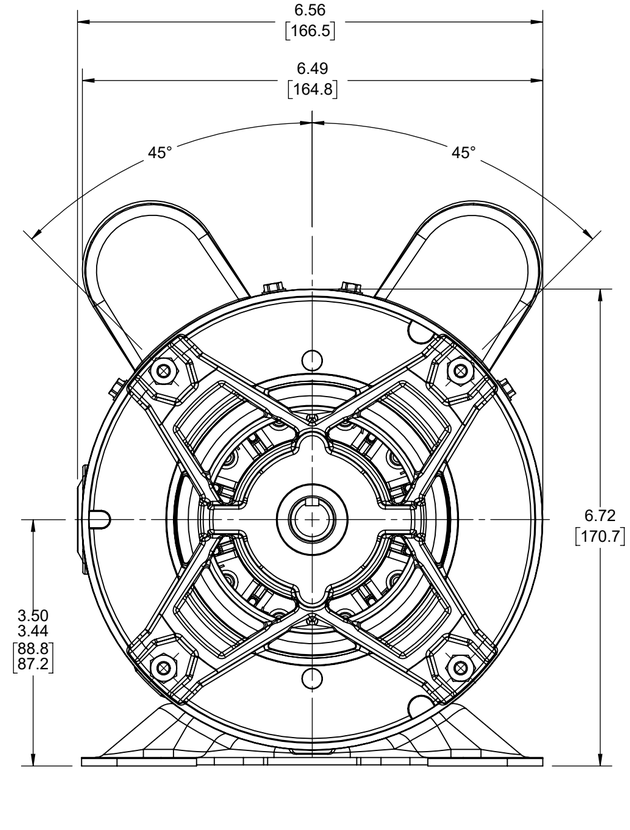
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	1.4 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Assembly/Box Mounting	F1 ONLY
Connection Drawing	CDBD102	Outline Drawing	OL56100562-001

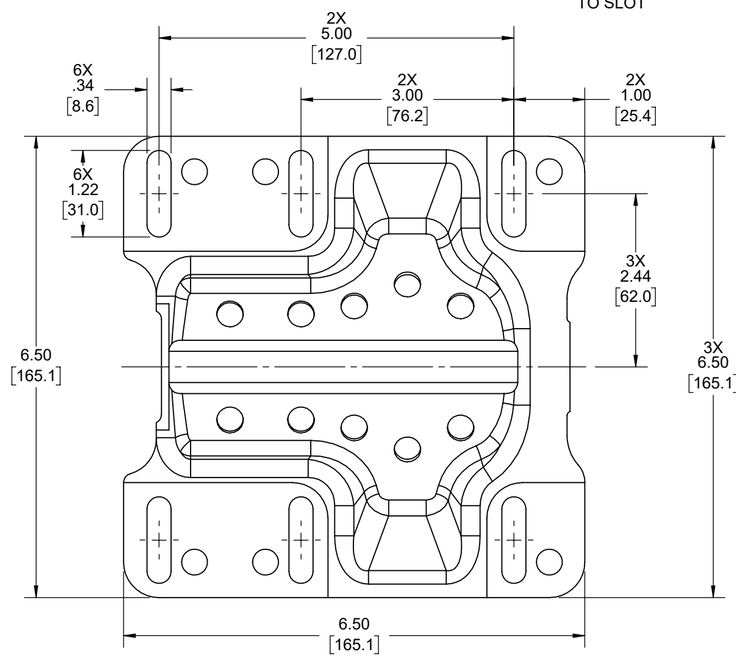
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:08/08/2025

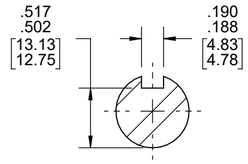


LEAD END
VIEW

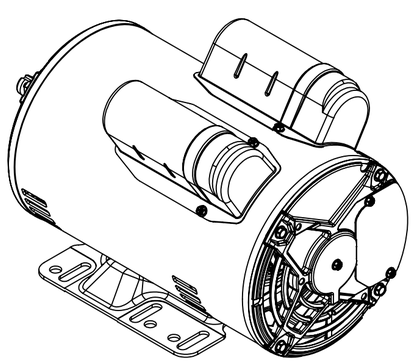


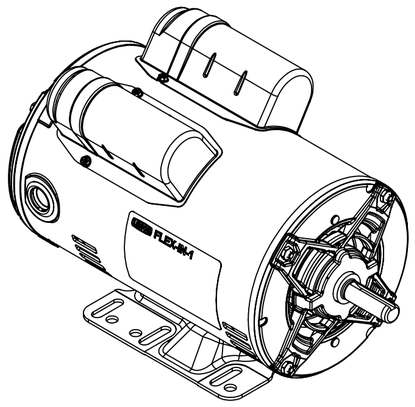






SECTION A-A





DRAWING REVISION: B	REVISION BY: SN	REV DATE/© DATE: 01/21/2025	
REQUEST NUMBER: ECR-0239962	APPROVED BY: SN	DATE: 02/21/2025	
REQUEST NUMBER DESCRIPTION: CHANGED THRU BOLT ORIENTATION PER ECR			

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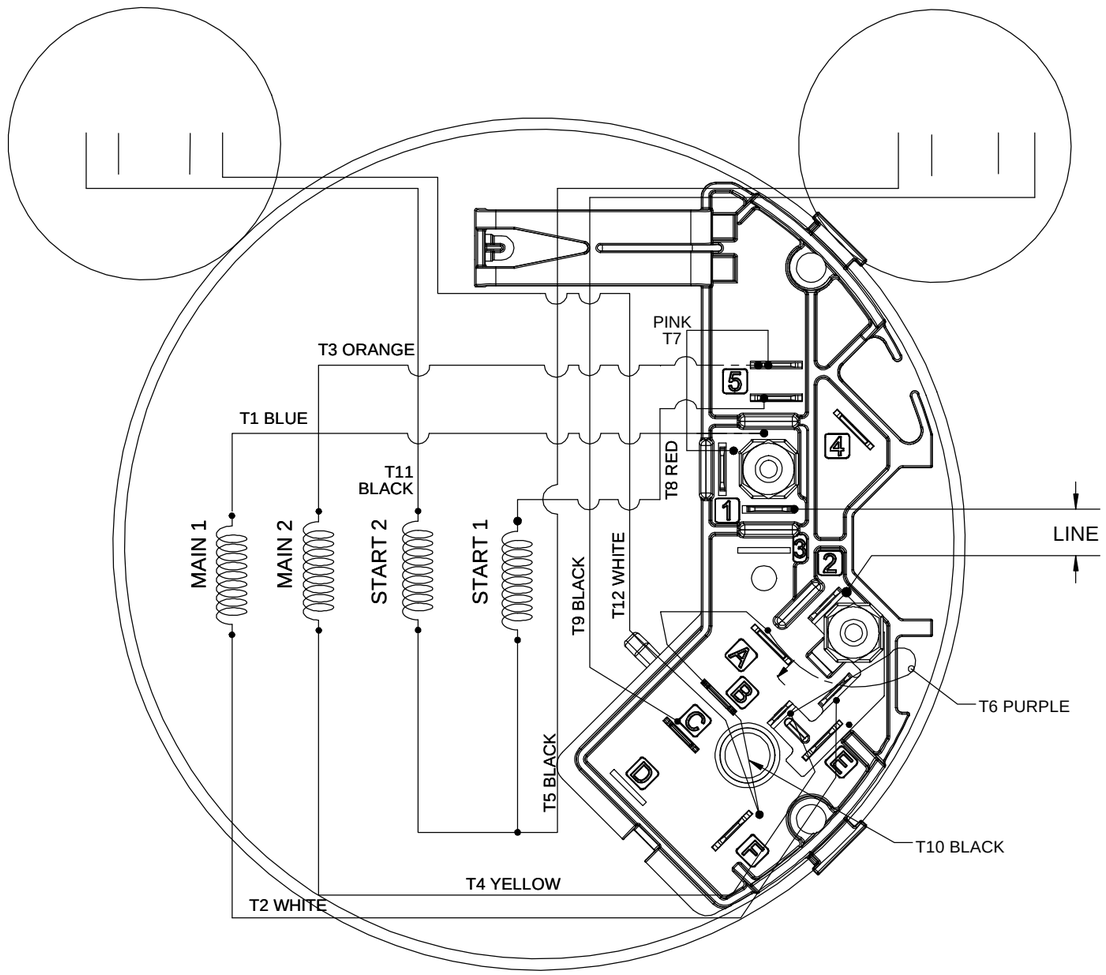
TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.02	[±0.5]	
.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

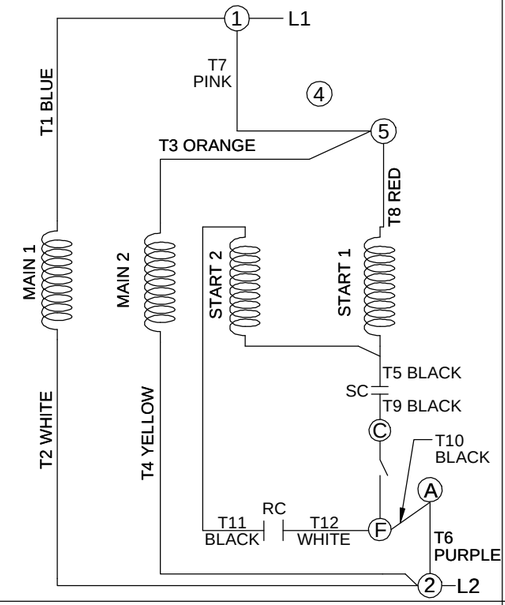
DRAWN BY: SHESHI	Regal Rexnord — Regal Beloit America, Inc.
DATE: 10/10/2018	
APPROVED BY: PVR	DESCRIPTION: OUTLINE — 56FR,ODP,1-PHASE,RIGID
DATE: 10/10/2018	
REFERENCE: OL56100501	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: C — DRAWING NUMBER: OL56100562-001 — SHEET: 1 OF1

Uncontrolled Copy

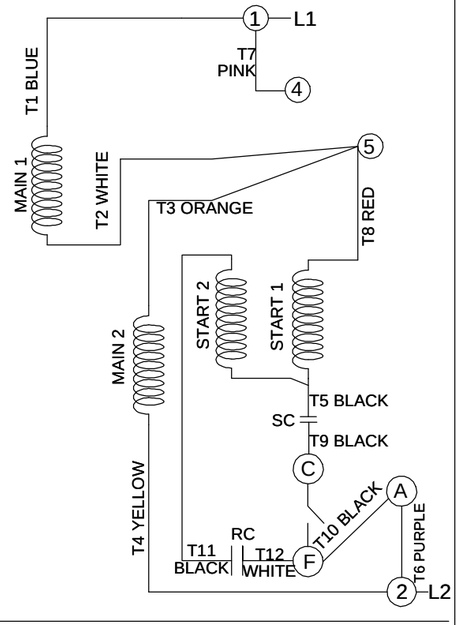


CCW/CW ROTATION-CAP START AND CAP RUN DUAL VOLTAGE NO PROTECTOR

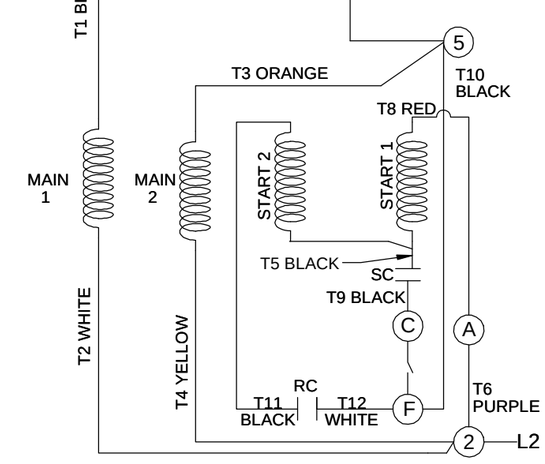
001 LOW VOLTAGE CCW



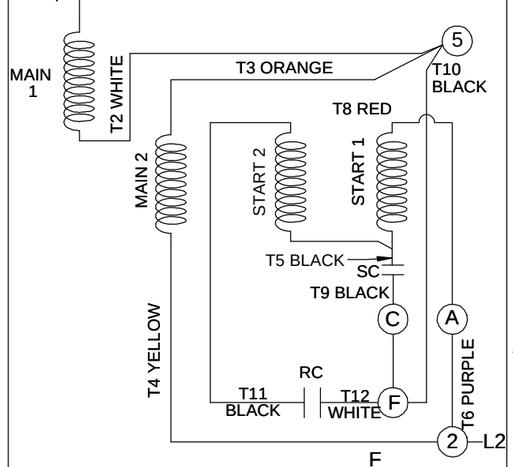
002 HIGH VOLTAGE CCW



003 LOW VOLTAGE CW



004 HIGH VOLTAGE CW



NOTES:

1. FOR HI VOLTAGE REMOVE T7 FROM TERMINAL #5 AND PLACE ON TERMINAL #4, REMOVE T2 FROM TERMINAL #2 AND PLACE ON TERMINAL #5
2. TO REVERSE ROTATION, INTERCHANGE T8 & T10.
3. SWITCH REF. 10003283-001-001.
4. CONN. DIAGRAM NAMEPLATE DD10065-001, T No's, -002, Colors with T No's.

DRAWING REVISION: D	REVISION BY: SHESHI	DATE: 10/26/201807/23/2018
ECO: ECO-0155470	APPROVED BY: CD	DATE: 10/28/2018
ECO DESCRIPTION: 10003283-001-001 SWITCH WAS 10003285-001-001		

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381]
CORNER FILLETS: .02 [.51]
MACHINED SURFACES: 125 / 3.2 / INCH / mm
mm SHOWN IN [BRACKETS]

DRAWN BY: G. RODRIGUEZ	
DATE: 01-18-2017	
APPROVED BY: E. MARTINEZ	
DATE: 01-18-2017	
REFERENCE: CDCD102	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: CDBD102 / SHEET: 1 OF 1

REGAL™ Regal Beloit America, Inc.

DESCRIPTION: CONN DIAGRAM-EXTERNAL

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LEESON

CERTIFICATION DATA SHEET

CUSTOMER:
CUSTOMER PO#:
ORDER #:
MODEL #: 56B17DRR70037A1 A
CONN. DIAGRAM: CDBD102
CUSTOMER PART #:
OUTLINE: OL56100562-001
MOUNTING: F1 ONLY
WINDING #: NB56473 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1800	1725	56	DP	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	12.6/6.4-6.3	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	83.8	**3/4 LOAD EFF:**	84.5	**1/2 LOAD EFF:**	80.5	**GTD. EFF**	**ELEC. TYPE**
FULL LOAD PF:	96	**3/4 LOAD PF:**	94	**1/2 LOAD PF:**	92	0	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 **LB-FT**	91.6 / 45.8	10.77 **LB-FT** 239 %	9.94 **LB-FT** 221 %	40

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	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE **VOLTS**

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

*** N O T E S ***

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

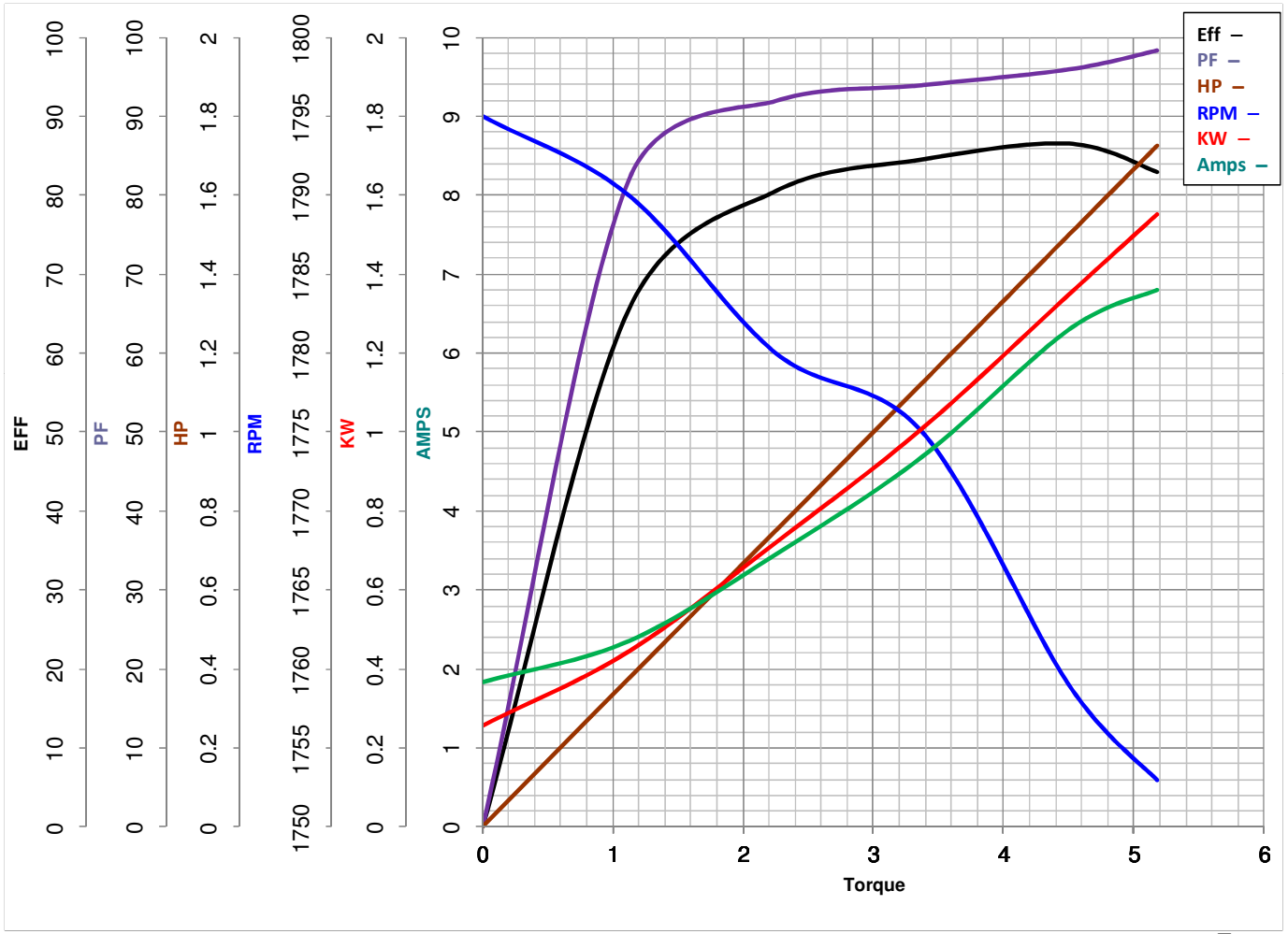
PREPARED BY: Bhargavi Dontham
DATE: 10/30/2018 01:48:24 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

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

REGAL REXNORD CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer	WW Grainger	**Curve at**	230	**Volts**	**HP** 1.5	**PHASE**	1
			60	**HZ**			
Model No	56B17DRR70037A1		1.5	**HP**	**VOLTS** 115/208-230		
Catalog No	C185A				**HZ** 60	**RPM**	1725



Torque in Lb.Ft

FL TORQUE	4.5	**Lb.Ft**	**FL AMPS**	12.6/6.4-6.3	
BD TORQUE	9.9	**Lb.Ft**	**PU TORQUE**	8.2	**Lb.Ft**
LR TORQUE	10.77	**Lb.Ft**	**LR AMPS**	45.78	
WINDING	NB56473-3	**Prepared By**	BHARGAVI	**Date**	10/23/2018

REV 1 - CHANGE 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 : 056B17DRR70037A1

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

Catalog No : C185B

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