PRODUCT INFORMATION PACKET

Model No: LM34065
Catalog No: LM34065
Special Voltage Motor, 1 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 56 Frame, DP

Nameplate Specifications

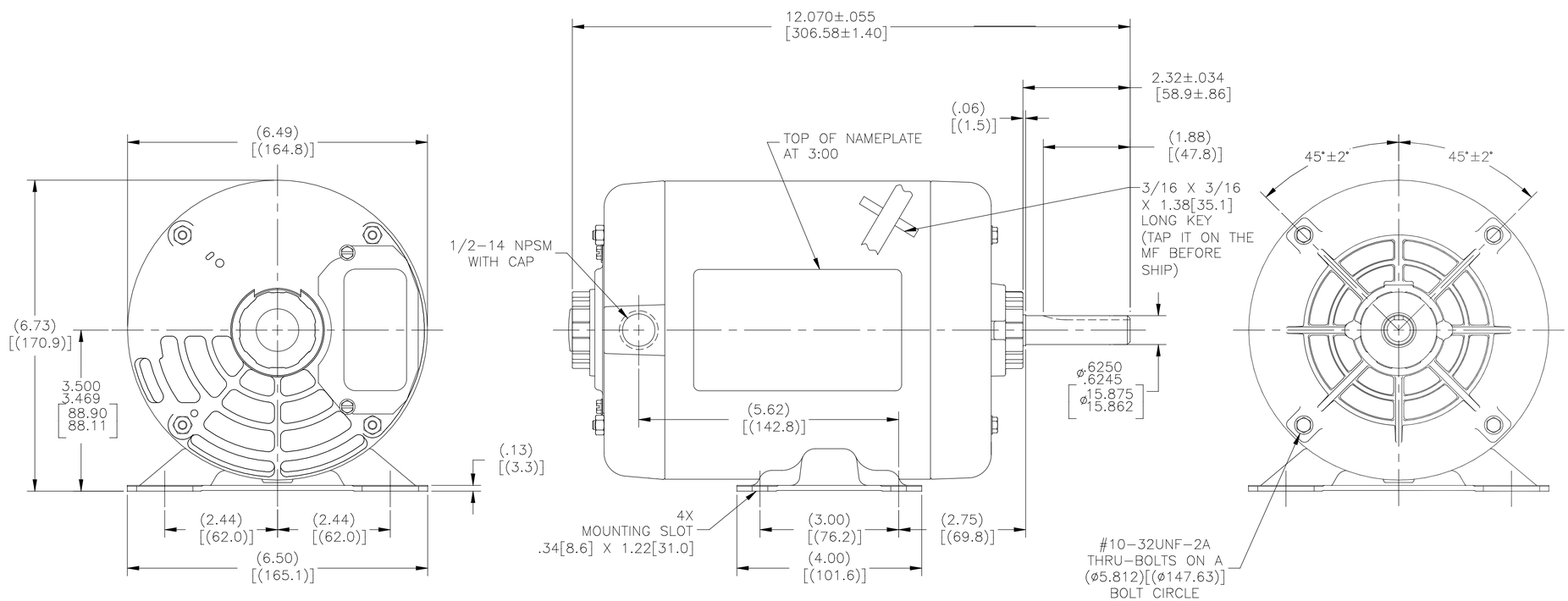
Phase	3	Output HP	1 Hp
Output KW	0.75 kW	Voltage	575 V
Speed	1725 rpm	Service Factor	1.15
Frame	56	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	83.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	1.2 A	Power Factor	56.1
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	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	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
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 56	Overall Length	12.07 in
Frame Length	5.88 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	LM34065-S01	Connection Drawing	D0000527-001

NOTES:

1. ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS.



DRAWING REVISION: B	REVISION BY: X.AN	DATE: 06-26-2015
ECO: ECO-0079651	APPROVED BY: H.ZHANG	DATE: 06-26-2015
ECO DESCRIPTION: SEE ECO		

TOLERANCES UNLESS OTHERWISE SPECIFIED

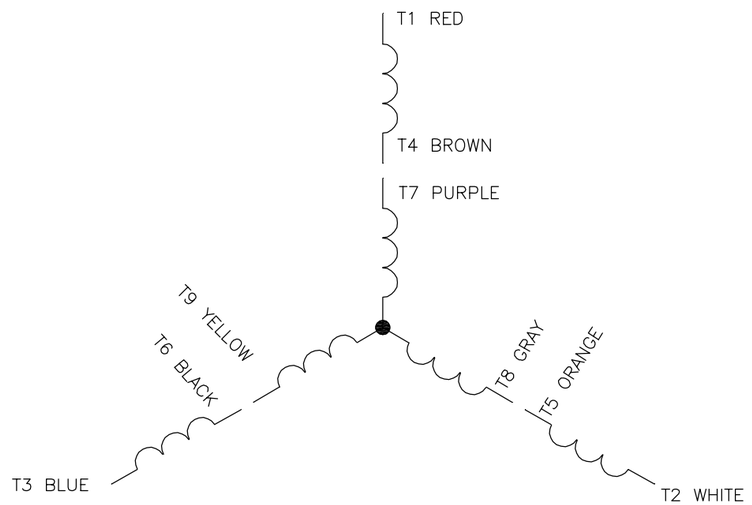
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES .003/.015 [.076/.381]
CORNER FILLETS .02 [.51]
MACHINED SURFACES 125/ 32/ INCH mm
mm SHOWN IN [BRACKETS]

DRAWN BY:	H.ZHANG
DATE:	01-21-2015
APPROVED BY:	J.ZHAN
DATE:	01-21-2015
PROCESS/FINISH	-
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION	MODEL-CFHP-56FR OUTLINE
MATERIAL	-
SIZE	D
DWG NO	LM34065
SHEET	1



CONNECT AS FOLLOWS

HIGH VOLTAGE

T1 – RED – LINE A
T2 – WHITE – LINE B
T3 – BLUE – LINE C
T4 – BROWN
T7 – PURPLE — TIE TOGETHER
T5 – ORANGE
T8 – GRAY — TIE TOGETHER
T6 – BLACK
T9 – YELLOW — TIE TOGETHER

CCW ROTATION; TO REVERSE ROTATION FOR EITHER VOLTAGE INTERCHANGE ANY TWO LINE LEADS

LOW VOLTAGE

T1 – RED
T7 – PURPLE — LINE A
T2 – WHITE
T8 – GRAY — LINE B
T3 – BLUE
T9 – YELLOW — LINE C
T5 – ORANGE
T6 – BLACK
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.

DRAWING REVISION	REVISION BY	DATE
A	R.RASCON	06–12–2014
ECO	APPROVED BY	DATE
0053303	.	.
ECO DESCRIPTION		
NEW MODEL RELEASE		

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]	

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

DRAWN BY:	R.RASCON
DATE:	06–12–2014
APPROVED BY:	.
DATE:	.
REFERENCE	.
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION	CONN DIAGRAM–EXTERNAL
MATERIAL	.
PROCESS/FINISH	.
SIZE	C
DWG NO	D0000527–001
SHEET	1

LINCOLN MOTORS
2100 WASHINGTON ST.
GRAFTON, WI
PH. 262-277-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: D0000527-001
OUTLINE: LM34065
WINDING #: SS0070160 3

CATALOG #: LM34065A
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1725	56	DP	M	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	1.2	LINE OR INVERTER	CONTINUOUS	F3	1.15	40

FULL LOAD EFF:	83.5	3/4 LOAD EFF:	84.6	1/2 LOAD EFF:	80.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	56.1	3/4 LOAD PF:	62	1/2 LOAD PF:	49	83.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48 OZ-FT	10.8	170 OZ-FT 354 %	247 OZ-FT 515 %	115

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	1.5 LB-FT^2	10 SEC.	2	30 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 - LINCOLN

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

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

INVERTER TORQUE: CONSTANT 2:1
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

NOTES

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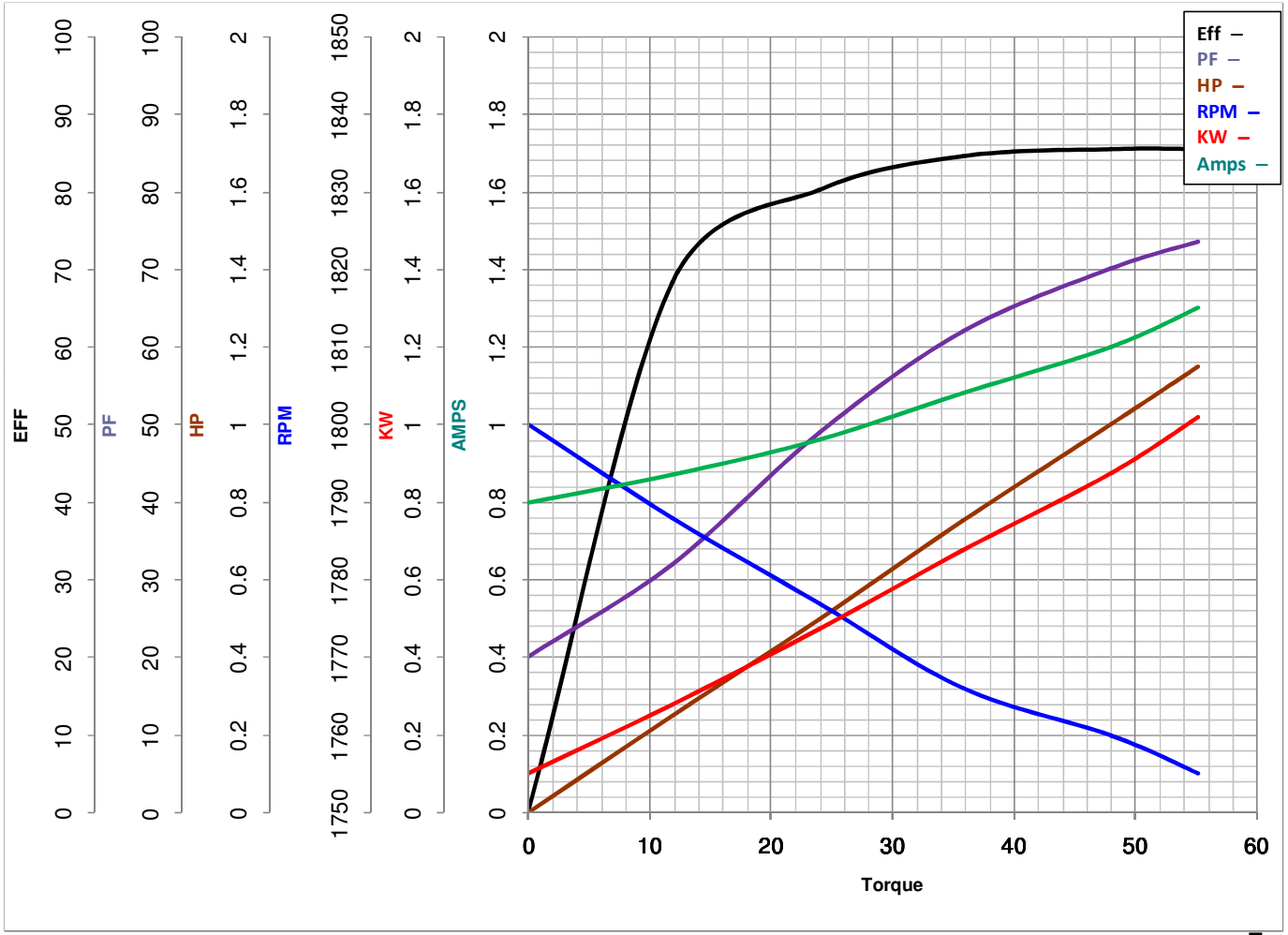
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at	575	**Volts**	**HP** 1.00	**PHASE**	3
	60	**HZ**			
	1	**HP**	**VOLTS** 575		
Model No LM34065					
Catalog No LM34065A			**HZ** 60	**RPM**	1725



Torque in LB-Ft

FL TORQUE	48	**LB-Ft**	**FL AMPS**	1.2	
BD TORQUE	247.0	**LB-Ft**	**PU TORQUE**	170.0	**LB-Ft**
LR TORQUE	170	**LB-Ft**	**LR AMPS**	10.8	
WINDING	SS0070160-			**Date**	**4/1/2019**

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 : LM34065

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

Catalog No : LM34065

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