PRODUCT INFORMATION PACKET

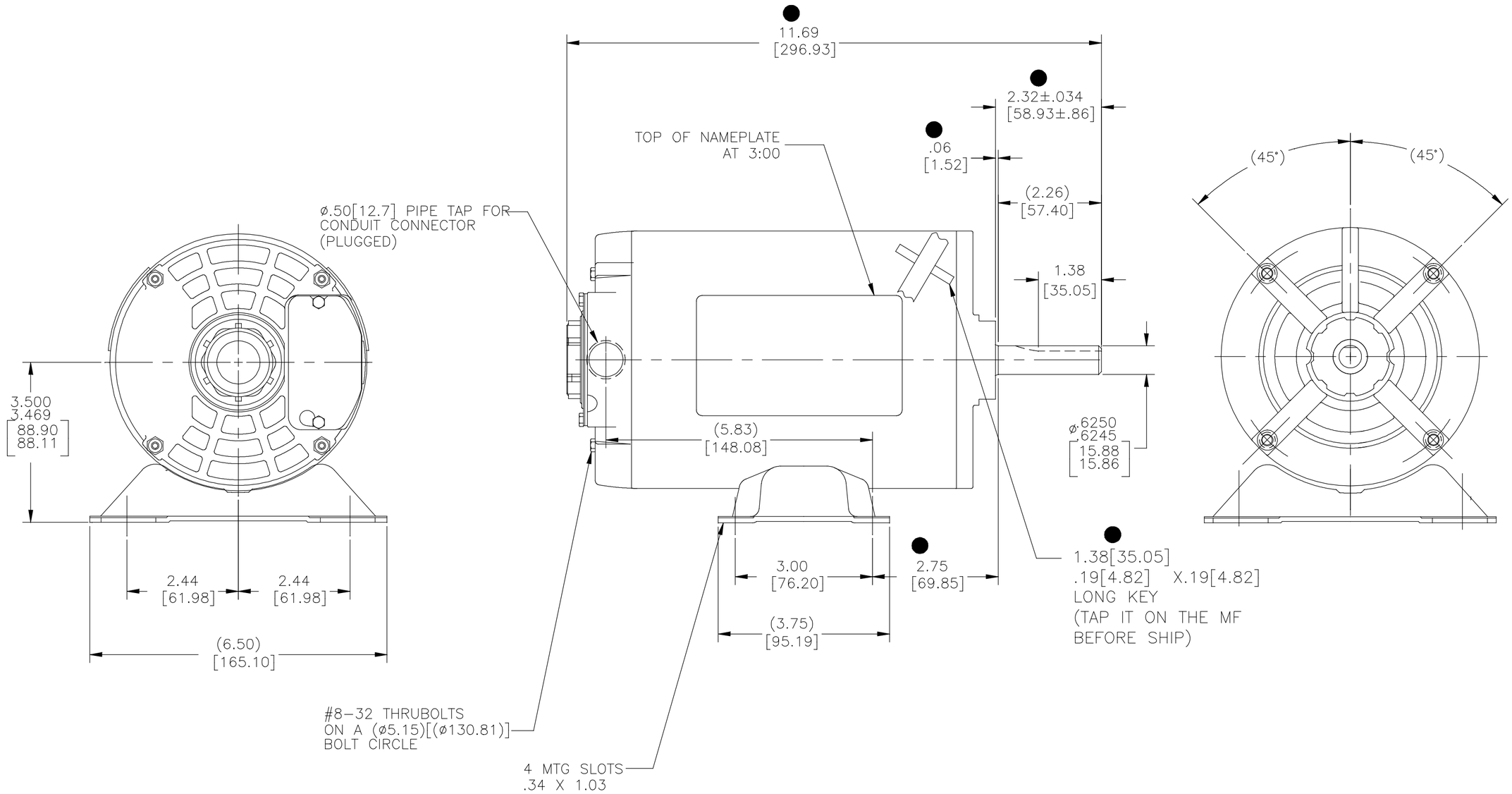
Model No: LM34064
Catalog No: LM34064
Special Voltage Motor, 1 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 56 Frame, DP

Nameplate Specifications

Phase	3	Output HP	1 Hp
Output KW	0.75 kW	Voltage	575 V
Speed	3450 rpm	Service Factor	1
Frame	56	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	77 %
Ambient Temperature	50 °C	Frequency	60 Hz
Current	1.2 A	Power Factor	64.3
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	2	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	11.43 in
Frame Length	6.94 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 2:1		
Outline Drawing	LM34064-S01	Connection Drawing	D0000566-001



● = CRITICAL DIMENSION

DRAWING REVISION: C	REVISION BY: M.ARGUELLES	DATE: 08-21-2018
ECO: ECO-0151119	APPROVED BY: M.ARGUELLES	DATE: 08-21-2018
ECO DESCRIPTION: CHG C DIM		

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]

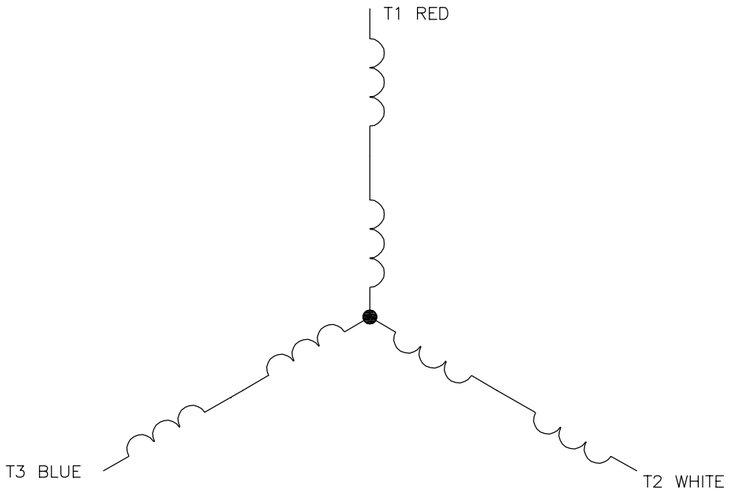
DRAWN BY:	H.ZHANG
DATE:	02-02-2015
APPROVED BY:	J.ZHAN
DATE:	02-02-2015
REFERENCE	.
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION: MODEL-CFHP-56FR
OUTLINE

MATERIAL	PROCESS/FINISH
.	.

SIZE	DWG NO	SHEET
C	LM34064	1



CONNECT AS FOLLOWS

HIGH VOLTAGE

T1 – RED – LINE A
T2 – WHITE – LINE B
T3 – BLUE – LINE C

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.

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

DRAWING REVISION: A	REVISION BY: R.ZHOU	DATE: 01–16–2015
ECO: ECO–0069290	APPROVED BY: D.ZHANG	DATE: 01–16–2015
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.ZHOU
DATE:	01–16–2015
APPROVED BY:	D.ZHANG
DATE:	01–16–2015
REFERENCE	.
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION: CONN DIAGRAM–EXTERNAL

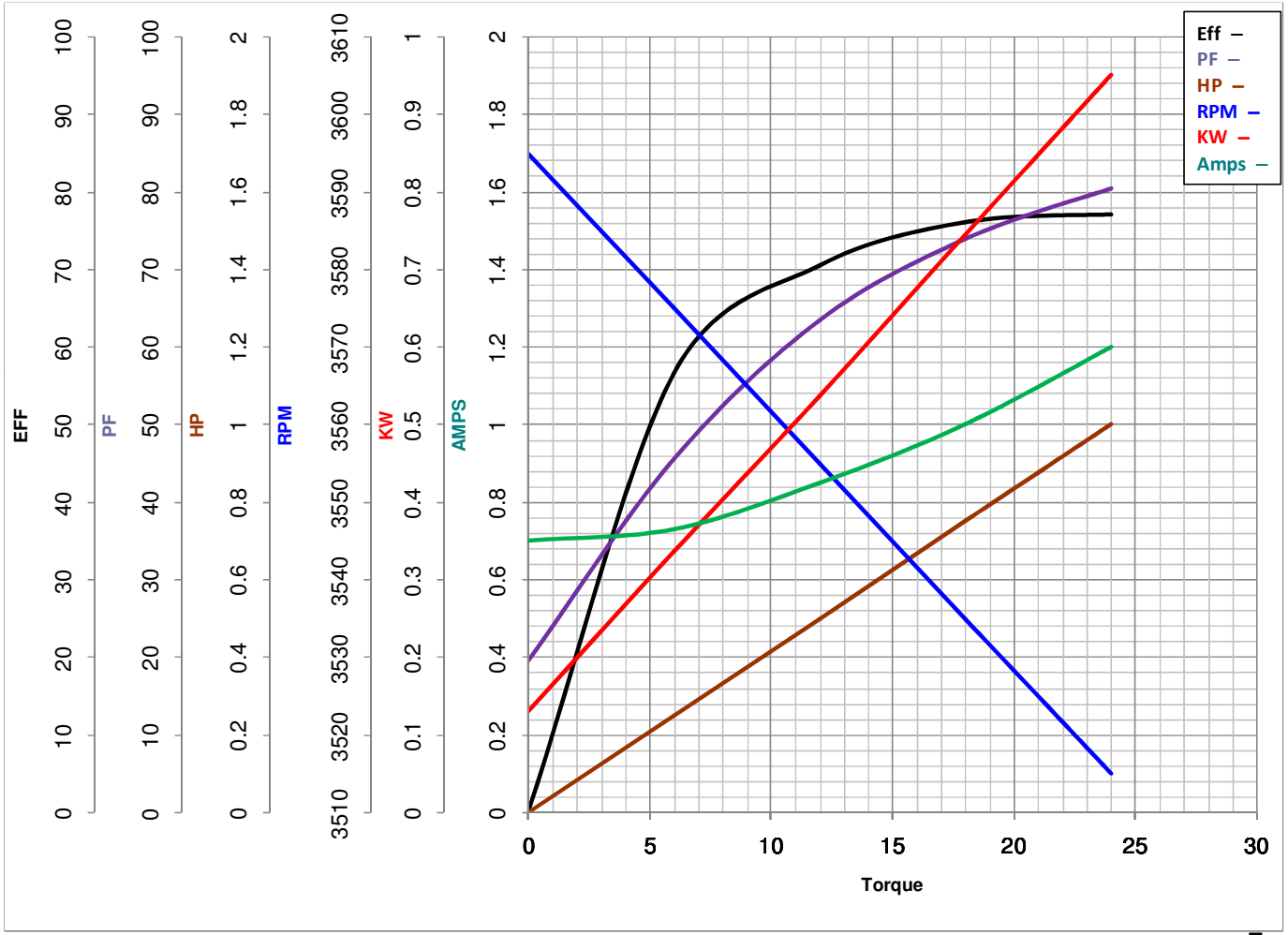
MATERIAL	PROCESS/FINISH
.	.

SIZE	DWG NO	SHEET
C	D0000566–001	1

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 LM34064					
Catalog No LM34064A			**HZ** 60	**RPM**	3450



Torque in LB-Ft

FL TORQUE	24	**LB-Ft**	**FL AMPS**	1.2	
BD TORQUE	111.3	**LB-Ft**	**PU TORQUE**	80.1	**LB-Ft**
LR TORQUE	82.4	**LB-Ft**	**LR AMPS**	10.4	
WINDING	SS0052372-			**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 : LM34064

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

Catalog No : LM34064

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

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