PRODUCT INFORMATION PACKET

Model No: A6C34XC31C

Catalog No: 116188.00

1/2HP..3450RPM.56.EPFC./V.1PH.60HZ.CONT.AUTOMATIC.40C.1.0SF.ROUND.EXPLOSION-PROOF.A6C34XC31C.A

Explosion Proof

Product Information Packet: Model No: A6C34XC31C, Catalog No:116188.00 1/2HP..3450RPM.56.EPFC./V.1PH.60HZ.CONT.AUTOMATIC.40C.1.0SF.ROUND.EXPLOSION-PROOF.A6C34XC31C.A

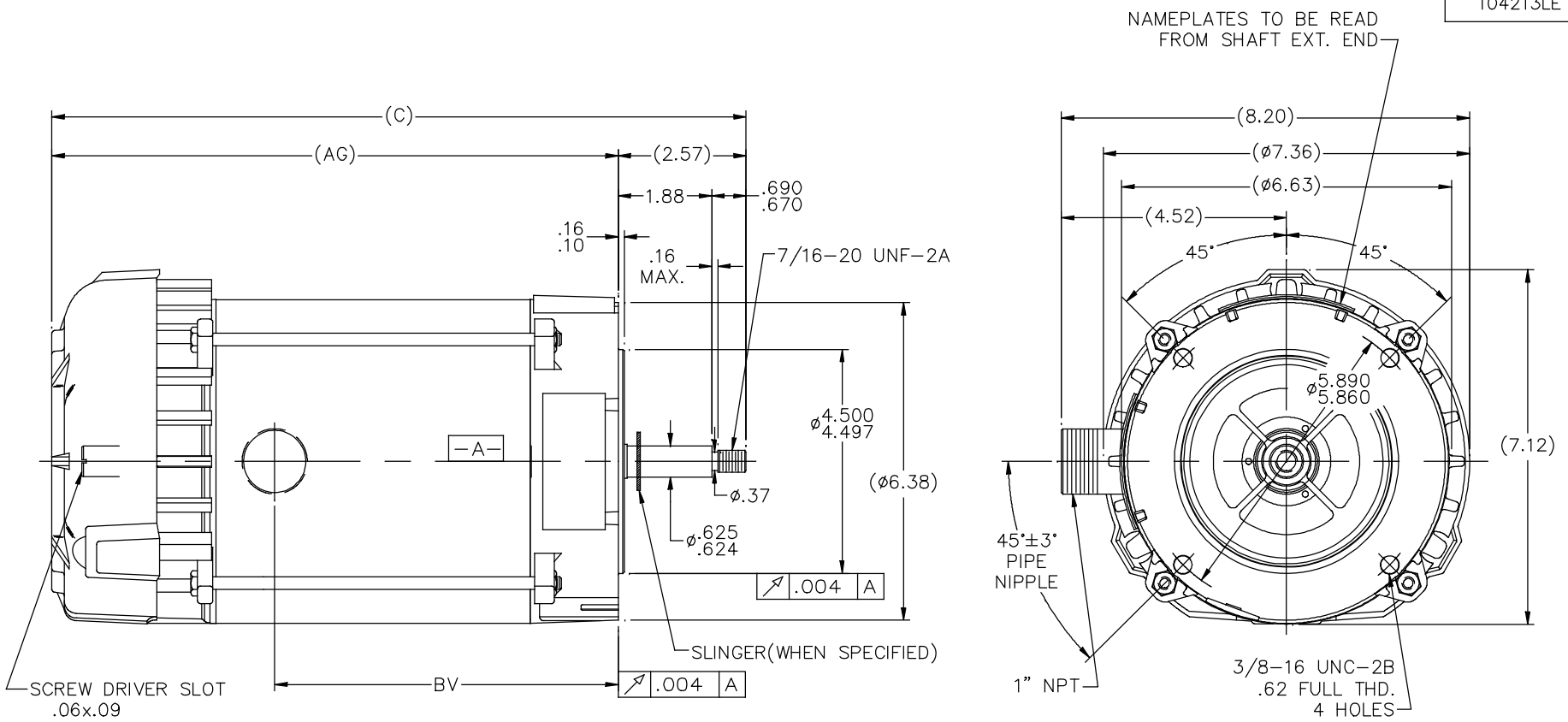
Nameplate Specifications

Output HP	**0.50 Hp**	Output KW	**0.37 kW**
Frequency	**60 Hz**	Voltage	**115/208-230 V**
Current	**8.4/4.0-4.2 A**	Speed	**3450 rpm**
Service Factor	**1**	Phase	**1**
Efficiency	**59.5 %**	Duty	**Continuous**
Insulation Class	**B**	Design Code	**N**
KVA Code	**N**	Frame	**56J**
Enclosure	**Explosion Proof Fan cooled**	Overload Protector	**Automatic**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6203**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**N**
IP Code	**54**		

Technical Specifications

Electrical Type	**Capacitor Start Induction Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Fixed Clockwise**
Mounting	**Round**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**J**
Overall Length	**13.95 in**	Frame Length	**6.31 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**2.44 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**B-104213LE-631**	Connection Diagram	**A-102005-98LE**

104213LE



DASH	C	AG	BV
631	13.95	11.38	6.90
681	14.45	11.88	7.40
731	14.95	12.38	7.90
781	15.45	12.88	8.40
831	15.95	13.38	8.90
881	16.45	13.88	9.40
931	16.95	14.38	9.90
981	17.45	14.88	10.40

NO.	REVISION	BY & DATE
A	ADDED NOTE TO SLINGER	MVG 01/24/18

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

SM CHK RFP 06–22–2007 DIST WP

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

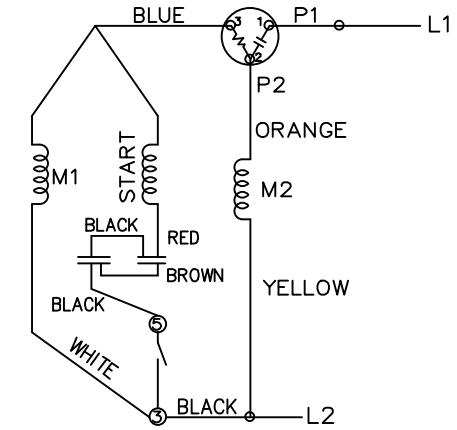
TITLE OUTLINE
56 FR. – C'FACE – EXP. PR.

MAT'L.
FINISH
CAD FILE 104213LE

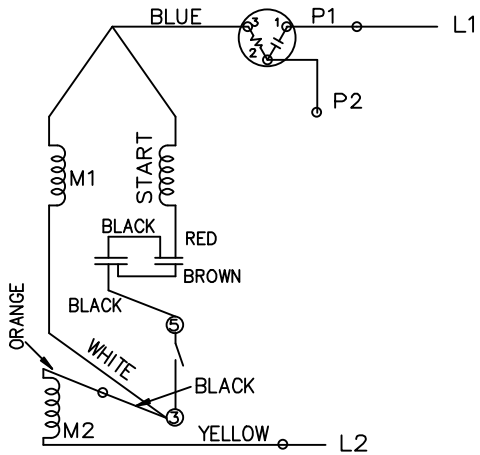
DRAWN	RJW 06–22–2007
CHK	ML 06–22–2007
APPD	GK 06–22–2007
SCALE	1=2
REF	
FMF	
PREV	

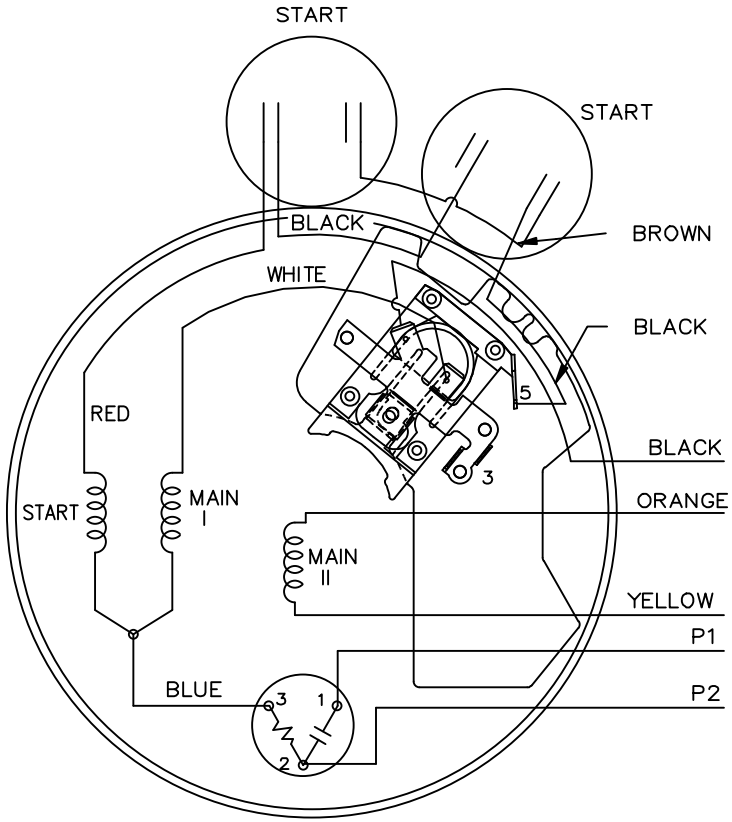
SIZE	DRAWING NO.	PAGE OF	REV.
B	104213LE		A

LOW VOLTAGE—C.W.



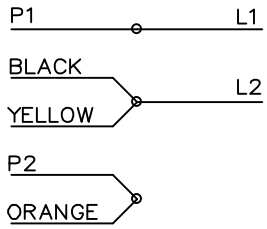
HIGH VOLTAGE—C.W.



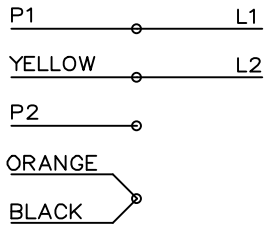


DUAL VOLTAGE
CAPACITOR START
OVERLOAD — CW FIXED

LOW VOLT — CW ROT.



HIGH VOLT. — CW ROT



NO.	REVISION	BY & DATE	CHK
01	ADDED SWITCH BETWEEN TERM 5&3;ECN #22911	PN 1/9/2012	RAD

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE CONNECTION DIAGRAM

MAT'L.

FINISH

CAD FILE 102005_98LE

RFP

DIST

DRAWN	MOL 04-14-2010
CHK	MOL 04-14-2010
APPD	
SCALE	1=2
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	102005-98LE	01

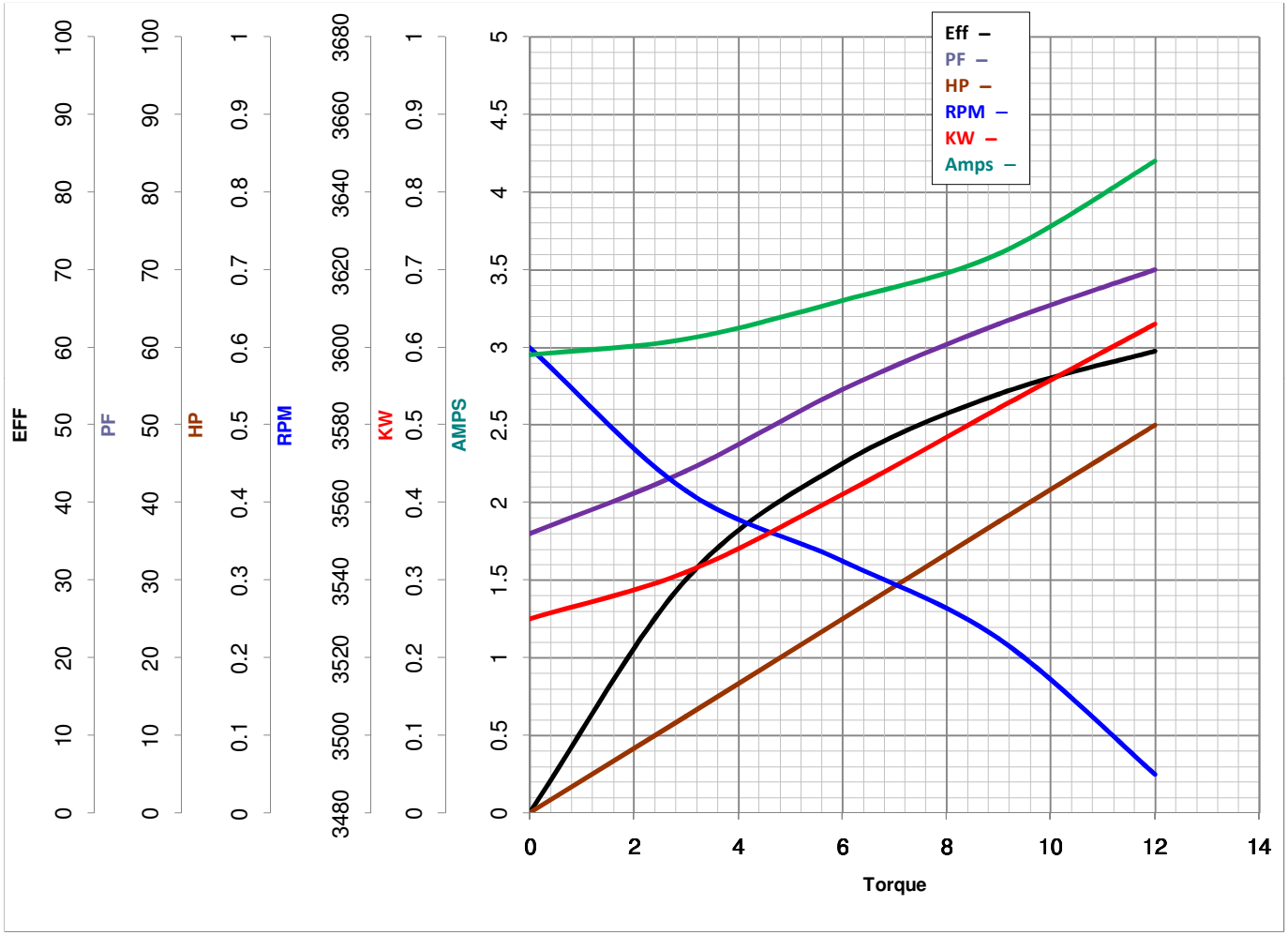
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 230 **Volts** **HP** 0.50 **PHASE** 1
60 **HZ**
0.5 **HP** **VOLTS** 115/208-230

Model No 116188.00

Catalog No 116188.00 **HZ** 60 **RPM** 3450



Torque in Oz.Ft

FL TORQUE	12	**Oz.Ft**	**FL AMPS**	8.4/4-4.2	
BD TORQUE	37.5	**Oz.Ft**	**PU TORQUE**	35.2	**Oz.Ft**
LR TORQUE	46	**Oz.Ft**	**LR AMPS**	24.8	
WINDING	ZC280-3			**Date**	**3/21/2018**