ABB BALDOR RELIANCE

Customer information packet

L3351

.08HP, 1725RPM, 1PH, 60HZ, 42, 3310L, TEFC, F1

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/5/2026 3:08:14 PM

Specifications

Enclosure	TEFC
Frame	42
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.080 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	115.0 V @ 60 HZ
Agency Approvals	C UR US
	CURUS
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.000 A @ 230.0 V
	1.150 A @ 208.0 V
	2.000 A @ 115.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	44.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Feedback Signal	NONE
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.0 a

Part Detail

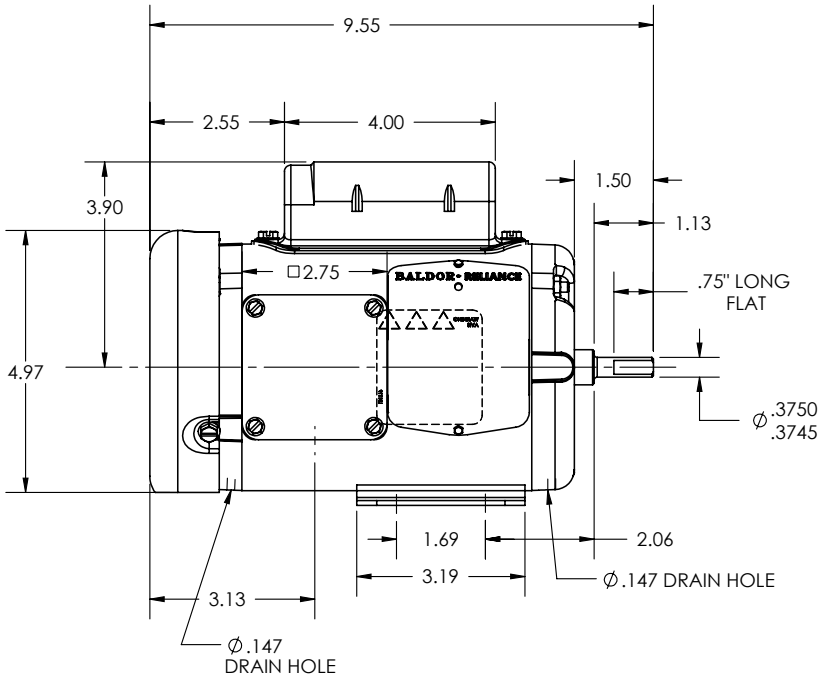
Revision	AS
Type	AC
Mech. spec.	33-850
Base	
Status	PRD/A
Elec. spec.	33WG0933
Layout	33LY0850
Eff. date	10-24-2024
CD Diagram	CD0001A10
Poles	04
Leads	6#18
Proprietary	False
Created date	06-25-2007

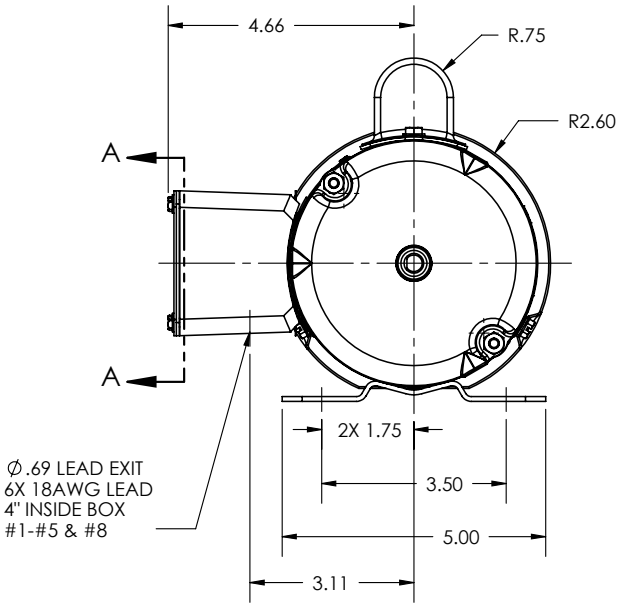
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3310L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	9.56 IN
Power Factor	52
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.40
Shaft Diameter	0.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L										
CAT.NO.	L3351									
SPEC.	33-850-933									
HP	.08									
VOLTS	115/230									
AMP	2/1									
RPM	1725									
FRAME	42		**HZ**	60			**PH**	1		
SER.F.	1.40	**CODE**	M	**DES**	-	**CLASS**		B		
NEMA-NOM-EFF	44	**PF**	52							
RATING	40C AMB-CONT									
CC										
DE	6203		**ODE**	6203						
ENCL	TEFC	**SN**								
	SFA 2.2/1.1									

33-850-933





SECTION A-A

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

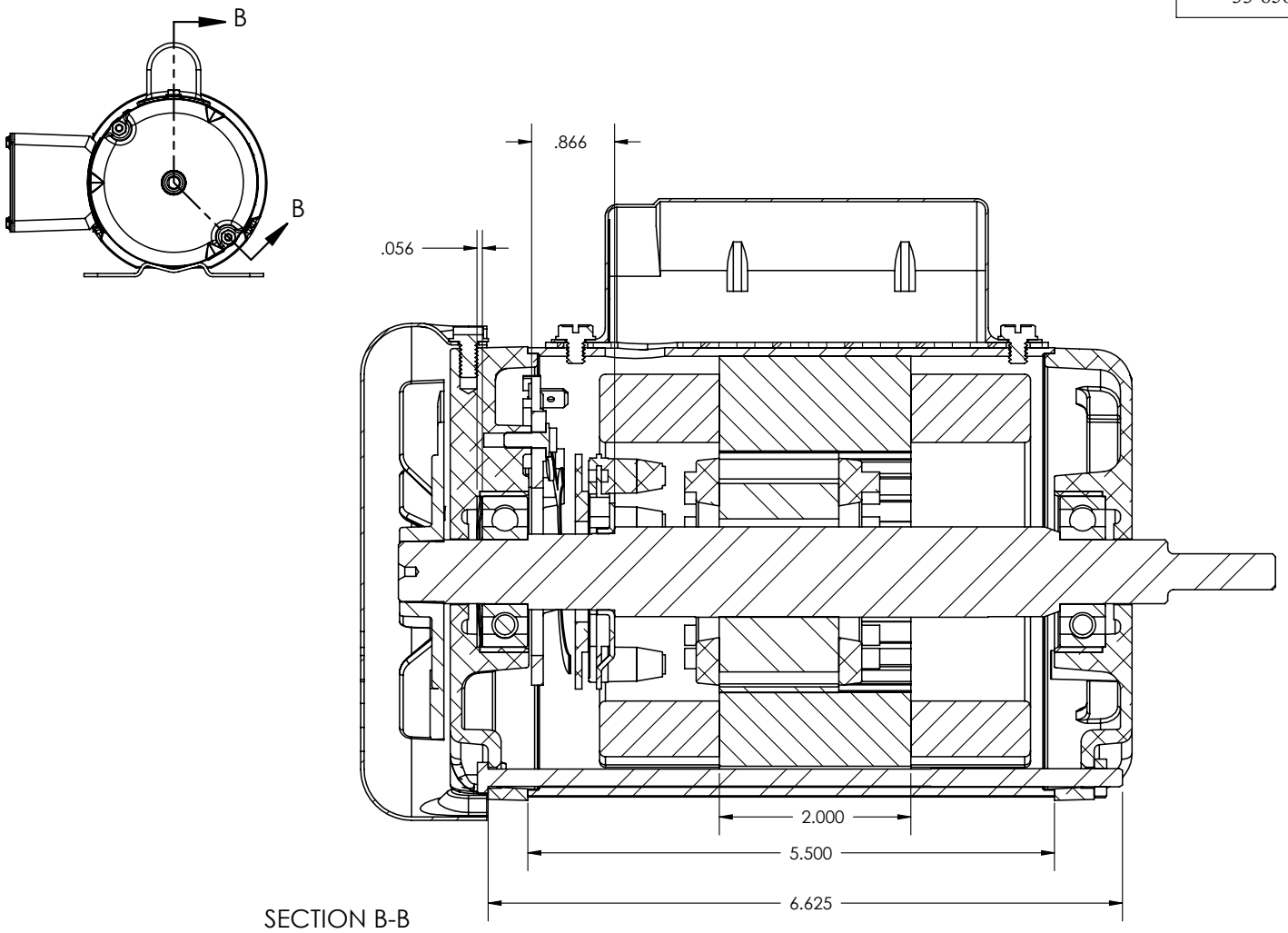
REV. DESC: NO CHANGES, OPENED FOR CUSTOMER DXF EXPORT			
REV: B	VERSION: 02	REVISED: 09:19:57 09/03/2014	TDR: 000000869165
33-850-933	MODEL NO. 33-850		REF:
	BY: CKBRIS0		

BALDOR

LY,33AC 10L 4P TEFC VER 42

33-850-933

33-850-933



SECTION B-B

33-850-933

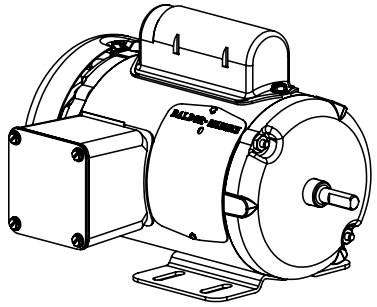
REV. DESC: NO CHANGES, OPENED FOR CUSTOMER DXF EXPORT			
REV: B	VERSION: 02	REVISED: 09:19:57 09/03/2014	TDR: 000000869165
33-850-933	MODEL NO. 33-850		REF:
	BY: CKBRIS0		

BALDOR ELECTRIC Co.

LY,33AC 10L 4P TEFC VER 42

ITEM NO.	PART NUMBER	33-850-933/QTY.
1	33EP3100A02	1
2	33SH7158A01	1
3	BG6203	2
4	33RA4110A00A01	1
5	RS9005	1
6	33SA9210A32	1
7	33EP3100A01	1
8	HW5100A03	1
9	SP5073	1
10	51XB1016A07	2
11	51XB1016A04	2
12	NS2512A01	1
13	HA3100A	2
14	34CB3002A64	1
15	11XW1032G06	1
16	34GS1031A01	1
17	34CB4517	1
18	34GS3000	1
19	34CB4800	1
20	NS2500A01	1
21	33FN3000	1
22	12XN0832A16	1
23	XY1032A02	3
24	HW1003A08	1
25	33FH4001A01	1
26	LB1119	1
27	51XT0832A07	6
28	99XM0440S01	2
29	NP1256	1
30	33 Frame A01	1
31	51XB1016A06	3

33-850-933



33-850-933

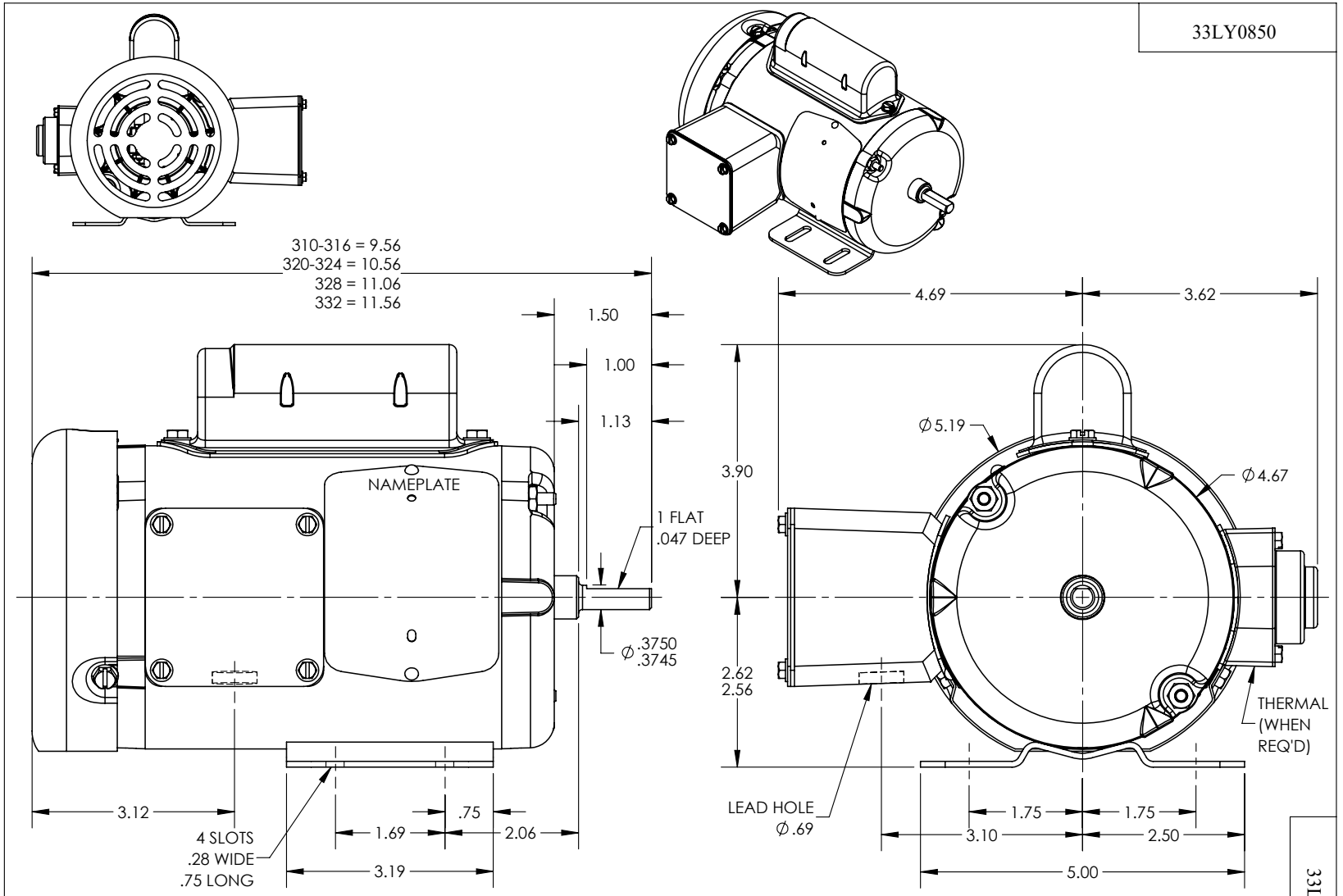
REV. DESC: NO CHANGES, OPENED FOR CUSTOMER DXF EXPORT

REV: B	VERSION: 02	REVISED: 09:19:57 09/03/2014	TDR: 000000869165

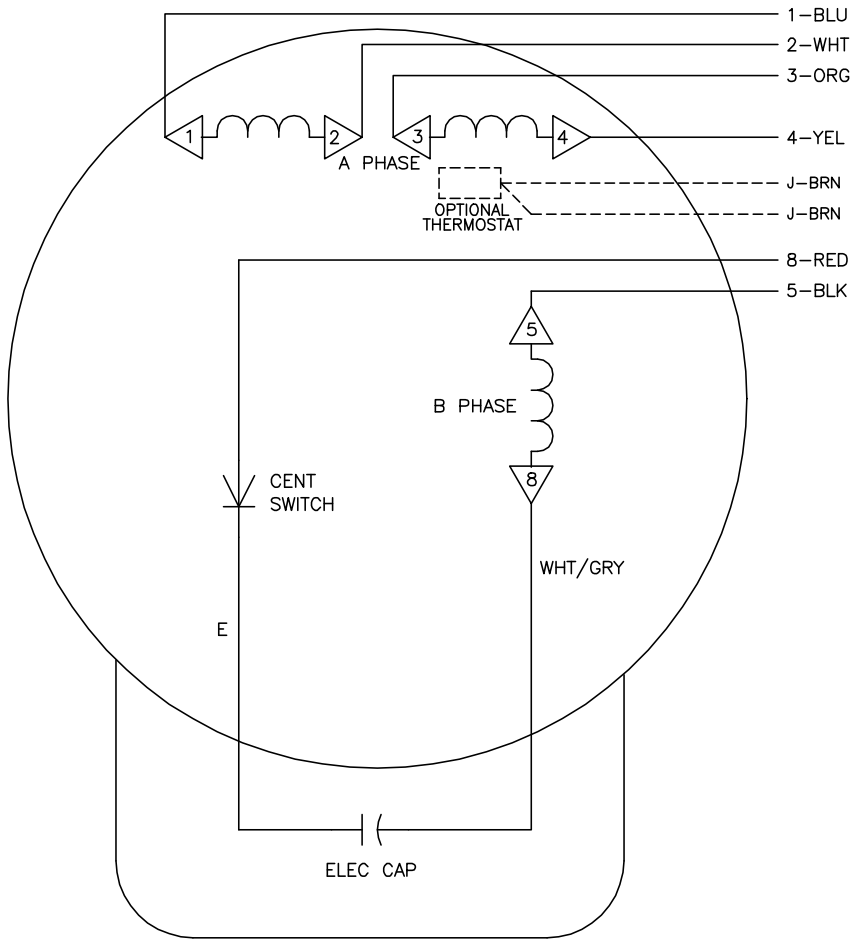
BALDOR ELECTRIC Co.

33-850-933	MODEL NO. 33-850	REF:
	BY: CKBRIS0	

LY,33AC 10L 4P TEFC VER 42


33LY0850
310-316 = 9.56
320-324 = 10.56
328 = 11.06
332 = 11.56
1.50
1.00
1.13
NAMEPLATE
1 FLAT
.047 DEEP
Ø.3750
.3745
3.12
4 SLOTS
.28 WIDE
.75 LONG
1.69
.75
2.06
3.19
4.69
3.62
3.90
Ø5.19
Ø4.67
2.62
2.56
THERMAL
(WHEN
REQ'D)
LEAD HOLE
Ø.69
1.75
1.75
3.10
2.50
5.00
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: FIX UNDER DEFINED CAM, NO CHANGE TO DRW
REV: R
VERSION: 04
REVISED: 04:28:38 09/09/2022
TDR: 000001194274
BALDOR - RELIANCE®
MODEL NO. 33LY0850
REF: -
BY: ENFRAJ0
STD HORZ MODEL 33L NEMA 42 TEFC
33LY0850

CD0001A10



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING LEAD END
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.
5. (#) = MAGNET WIRE COIL END WITH I.D. NUMBER

CD0001A10

REV. DESC: NEW			**Baldor • Dodge • Reliance**
REV. LTR: –	VERSION: 00	TDR: 000000435106	
CD0001A10	FILE: \CKA\00032\277	REVISED: 10:15:16 06/19/2007	TYPE L, DV, REV, 6 LD, CK
	MTL: –	BY: CKNATL0	