ABB BALDOR RELIANCE

Customer information packet

L3352

.13HP, 3450RPM, 1PH, 60HZ, 42, 3310L, TEFC, F1

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Specifications

Enclosure	TEFC
Frame	42
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.130 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 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	1.250 A @ 230.0 V
	1.600 A @ 208.0 V
	2.500 A @ 115.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	45.0 %
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	1.3 a

Part Detail

Revision	AS
Type	AC
Mech. spec.	33-850
Base	
Status	PRD/A
Elec. spec.	33WG0931
Layout	33LY0850
Eff. date	10-24-2024
CD Diagram	CD0001A10
Poles	02
Leads	6#18
Proprietary	False
Created date	06-25-2007

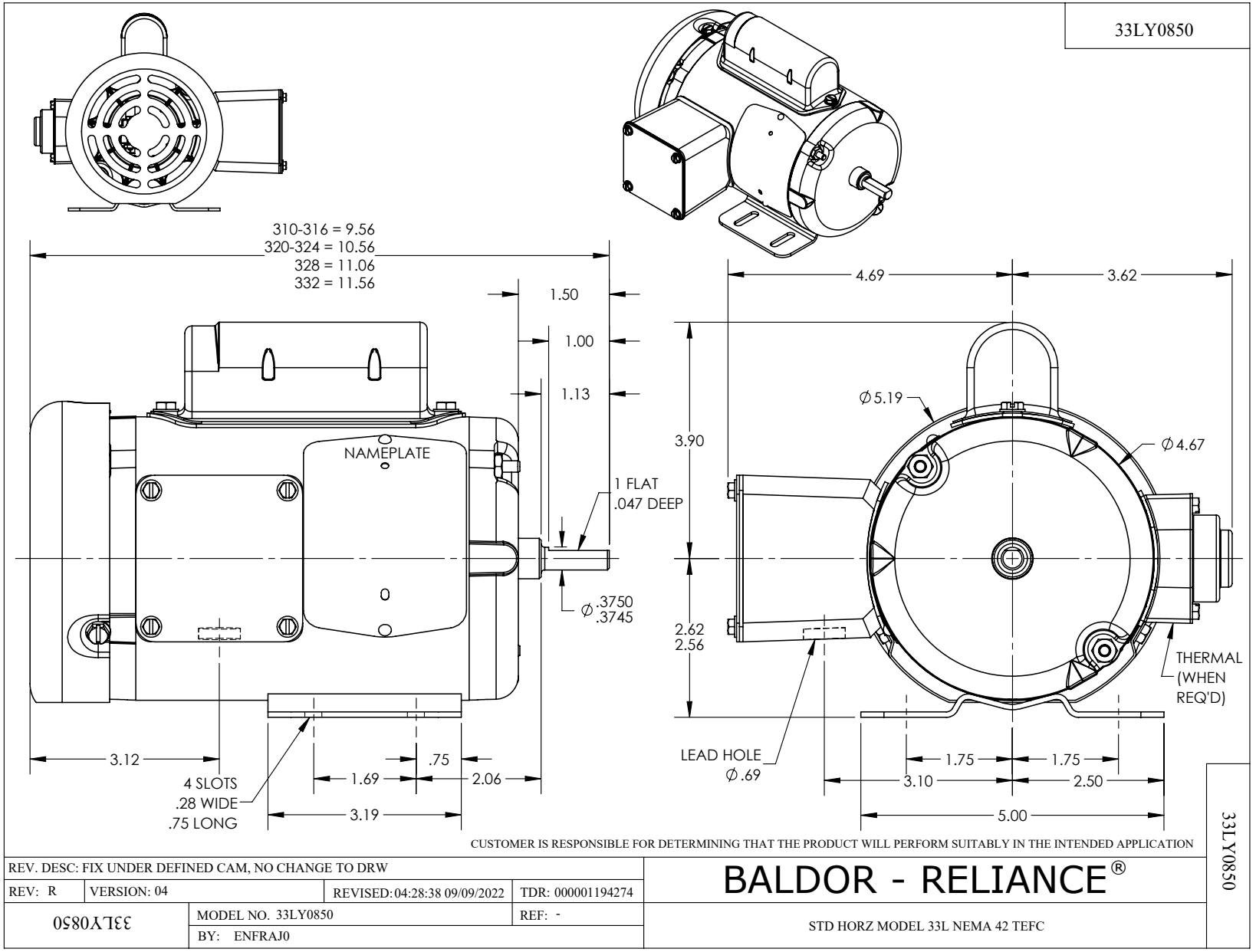
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3310L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	9.56 IN
Power Factor	62
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	3450 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

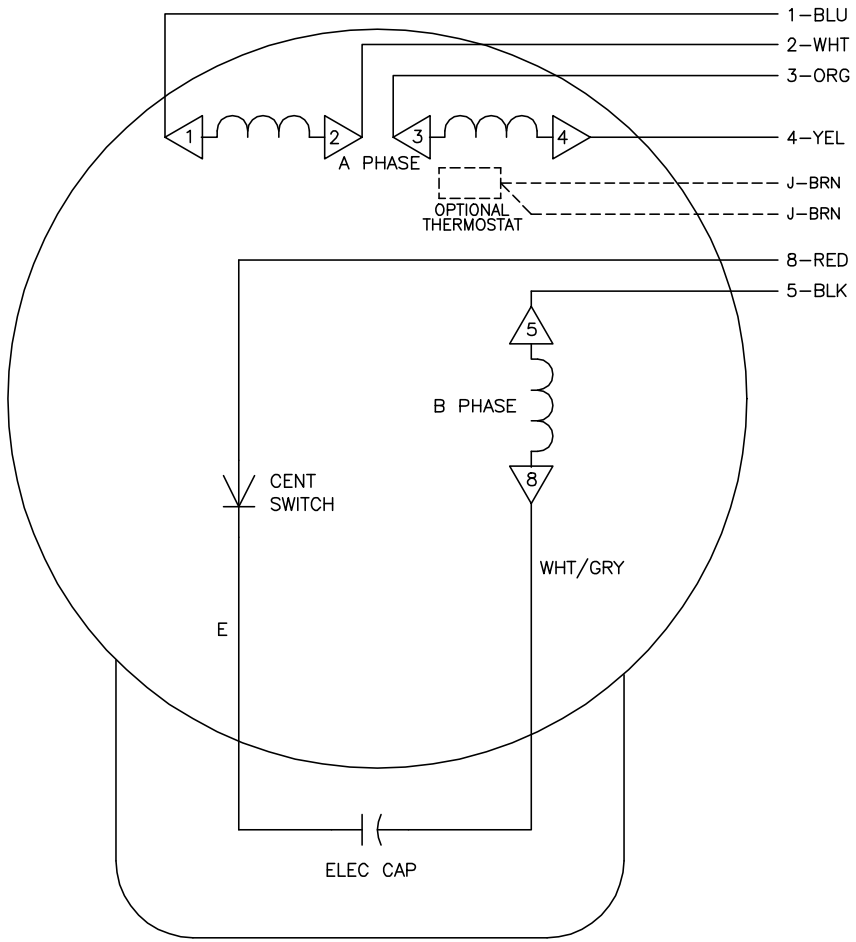
NP1256L										
CAT.NO.	L3352									
SPEC.	33-850-931									
HP	.13									
VOLTS	115/230									
AMP	2.5/1.25									
RPM	3450									
FRAME	42	**HZ**	60			**PH**	1			
SER.F.	1.40	**CODE**	M	**DES**	-	**CLASS**	B			
NEMA-NOM-EFF	45	**PF**	62							
RATING	40C AMB-CONT									
CC										
DE	6203	**ODE**	6203							
ENCL	TEFC	**SN**								
	SFA 3/1.5									

Parts List

Part number	Description	Quantity
SA007360	SA 33-850-931	1.000 ea
RA003807	RA 33-850-931	1.000 ea
EC1088A02	ELEC CAP, 88-106 MFD, 125V, 1.48D X 3.	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
34CB3002A64	CB W/.69 DIA @ 6	1.000 ea
34GS1029A01	GASKET, CONDUIT BOX	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
33EP3100A01	EP,33AC ODE GP 6203 TEFC W/DRAIN	1.000 ea
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 ea
34GS3000SP	GASKET, CAPACITOR BOX	1.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
33EP3100A02	PU ENDPLATE, MACH	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	2.000 ea
33FN3000	EXTERNAL FAN, PLASTIC	1.000 ea
HW1003A08	WASHER, #8 EX TH LK, ZN (F/S)	1.000 ea
33FH4001A01	FAN COVER, STAMPED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 ea
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.013 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
SP5183A10	33L TORQ STAT SWITCH 11"-#8 6"-#E	1.000 ea
HA3100A11	THRUBOLT 10-32 X 6.750	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
34PA1002	PKG GRP, PRINT PK1001A02	1.000 ea


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	