

ABB BALDOR RELIANCE III

Customer information packet

ERL1309A

1HP, 3480RPM, 1PH, 60HZ, 56H, 3524LC, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56H
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.900 A @ 230.0 V 4.300 A @ 208.0 V 7.800 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	L
Type	AC
Mech. spec.	35E4041
Base	
Status	PRD/A
Elec. spec.	35WGL157
Layout	35LYE4041
Eff. date	01-02-2025
CD Diagram	CD0703
Poles	02
Leads	4#16 A&J,2#18 B PH,1#14 #1TH
Proprietary	False
Created date	03-02-2017

High Voltage Full Load Amps	3.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3524LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.42 IN
Power Factor	99
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	No Slinger
Speed	3480 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	Automatic Thermal Overload



Winding Thermal 1 Location	SB
Winding Thermal 2	None

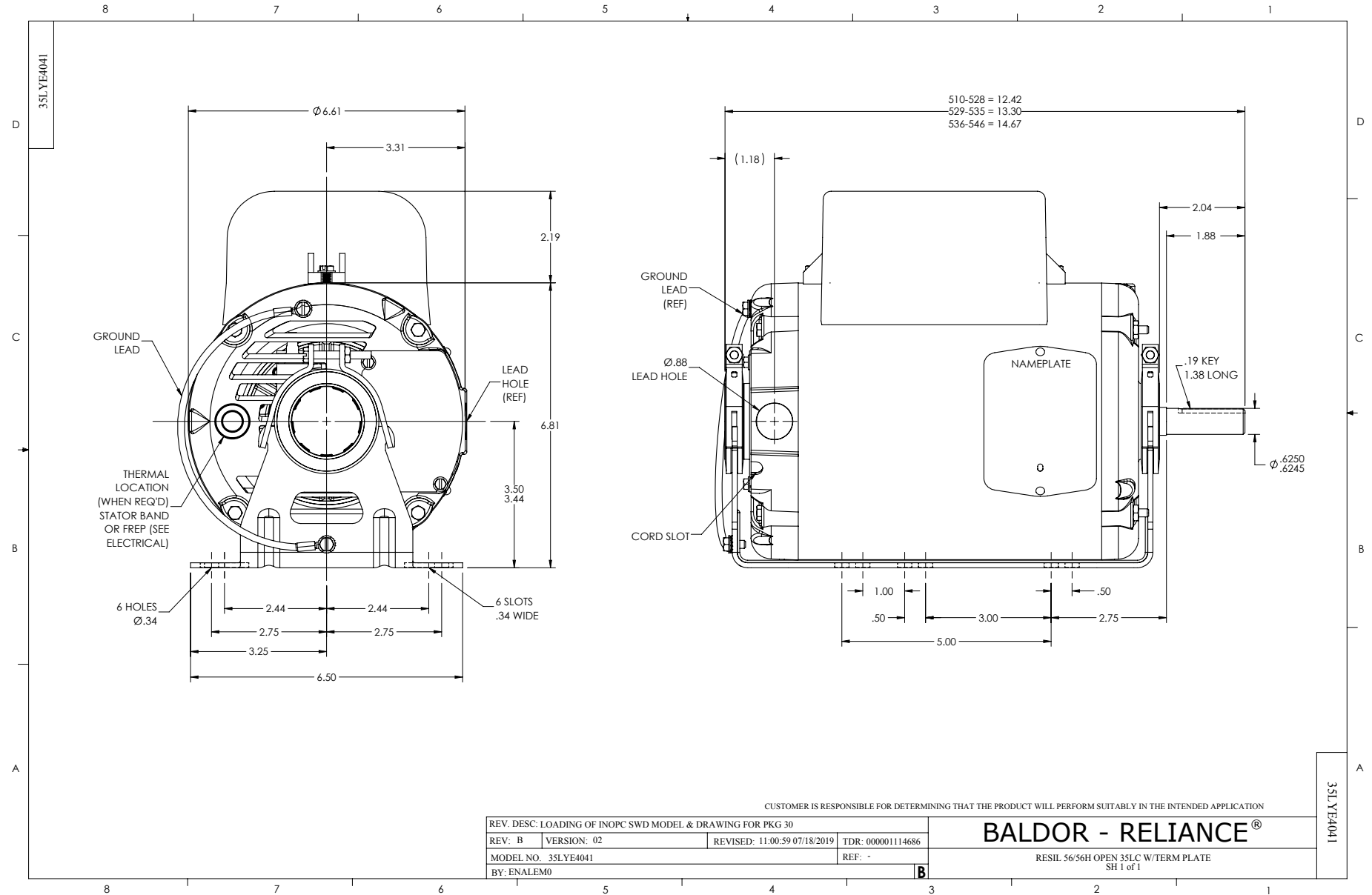
Nameplate

NP3273L												
CAT.NO.	ERL1309A											
SPEC.	35E4041L157G1											
HP	1											
VOLTS	115/230											
AMP	7.8/3.9											
RPM	3480											
FRAME	56H		HZ	60				PH	1			
SER.F.	1.25	CODE	H	DES	N	CL	F					
F.L. AVG. EFF.	82	PF	99									
RATING	40C AMB-CONT											
CC												
DE	6203		ODE	6203								
ENCL	OPEN	SN										
	SFA 10/5											

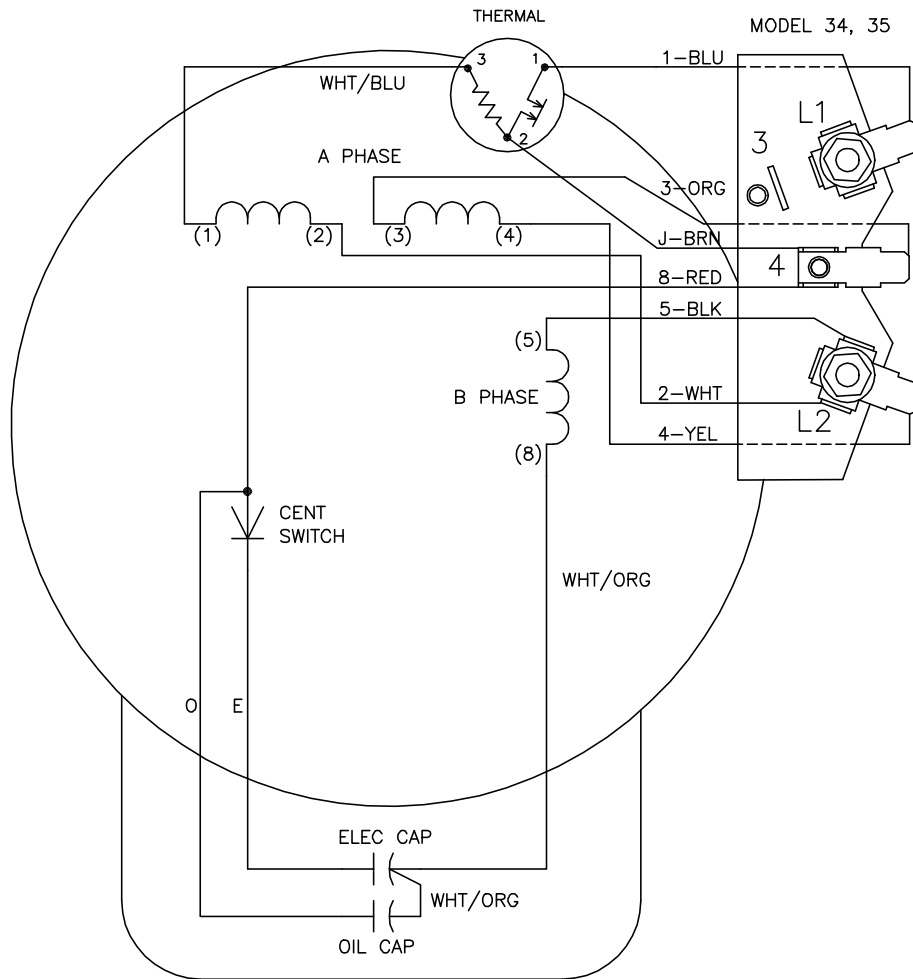
Parts List

Part number	Description	Quantity
SA335485	SA 35E4041L157G1	1.000 ea
RA323692	RA 35E4041L157G1	1.000 ea
OC3060C09SP	CAPACITOR 60 MFD 240 VAC	1.000 ea
TPCRJ64CV	THERMAL 1PH 1.00 AUT 105C	1.000 ea
EC1645B06	ELEC CAP 165V 2.0 X 4.3	1.000 ea
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 ea
35CB4500	TERMINAL BOX LID STAMPED	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
LD5000A01	LEAD ASSY, ML1400DF14 7" RING TRM EA END	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	2.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 ea
HA6005A01A	CLAMP CUSHION RING ASSY 35 FRAME	1.000 ea
35CB3801	CAPACITOR COVER, CAST	1.000 ea
HA7010	CAPACITOR RETENTION CLAMP	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
35EP3203A01	STD PU EP, OPEN RESIL MTG	1.000 ea
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 ea
HA6005A01A	CLAMP CUSHION RING ASSY 35 FRAME	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	3.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
35EP3202A01	STD OPEN FR EP - RESILIENT MTD	1.000 ea
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.017 ga
35BA4002B01	RESILIENT BASE, STAMPED	1.000 ea
SP5066A03	MODEL 35 TERMINAL PANEL SWITCH WITH LEAD	1.000 ea

HA3100A18	THRUBOLT 10-32 X 9.250	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
LC0052	CONNECTION LABEL	1.000 ea
NP3273L	ALUM SUPER-E THERMALLY PROTECTED, LASER	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea



CD0703



NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.
LOW VOLTAGE: CONNECT AS SHOWN.
HIGH VOLTAGE: MOVE LEAD J TO TERM. 3.
MOVE LEAD 2 TO TERM. 4.
2. CONNECTIONS ARE SHOWN FOR STANDARD
ROTATION (CCW FACING END OPPOSITE
SHAFT EXTENSION). INTERCHANGE
LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN
PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST
ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE MODEL 17 CONNECTION		
REV. LTR: G	VERSION: 02	TDR: 000001218314
FILE: \AAA\00007\140	REVISED: 08:28:11 10/11/2023	BY: ENBRIRO
MTL: —	© □	

BALDOR - RELIANCE®

TYPE LC, DV, REV, THERMAL, TERMINAL PLATE
SH 1 of 1

CD0703