ABB BALDOR RELIANCE

Customer information packet

ERL1309A

1HP, 3480RPM, 1PH, 60HZ, 56H, 3524LC, OPEN, F1
Class - None
Division - Not Applicable

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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

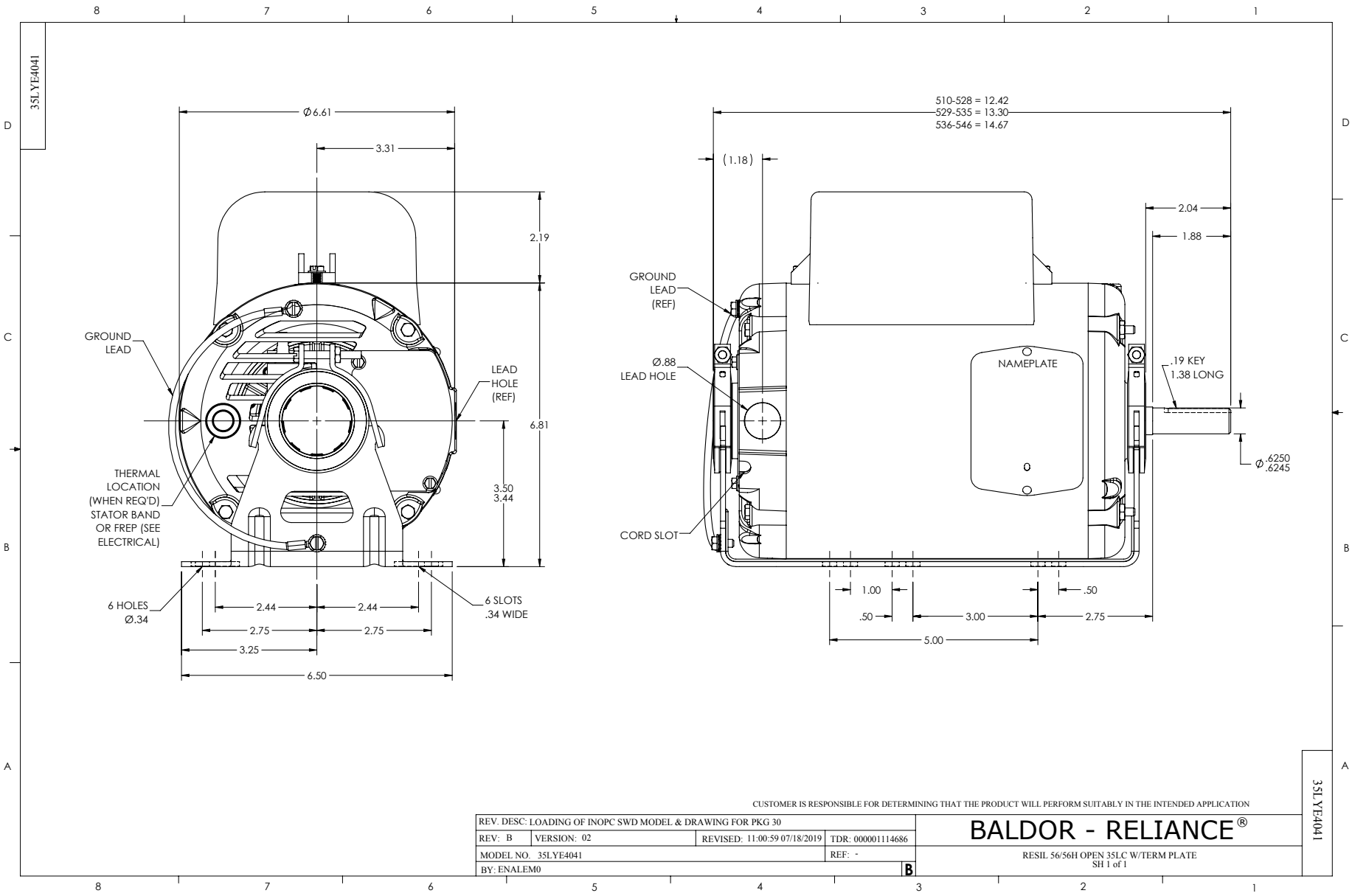
Revision	L
Type	AC
Mech. spec.	35E4041
Base	
Status	PRD/A
Elec. spec.	35WGL157
Layout	35LYE4041
Eff. date	01-02-2025
CD Diagram	CD0703
Poles	02
Leads	4#16 A&J,2#18 B PH,1#14 #1TH
Proprietary	False
Created date	03-02-2017

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

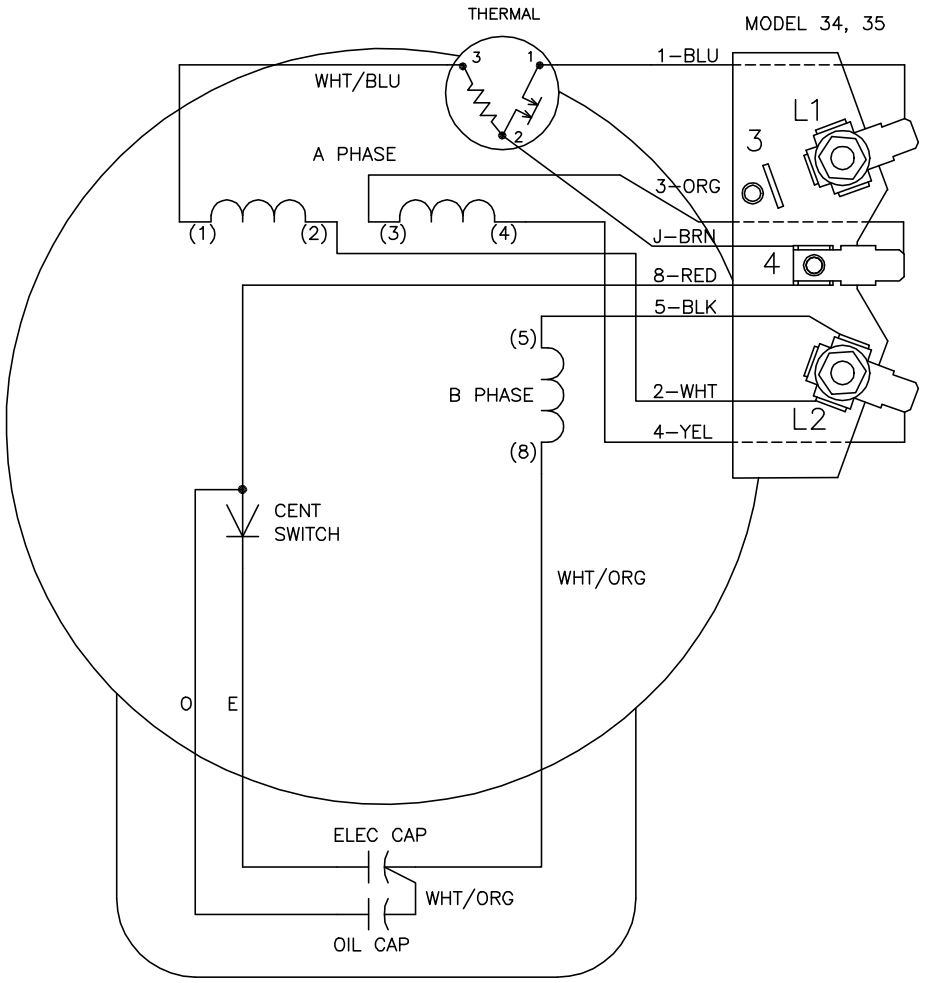
Winding Thermal 1 Location	SB
Winding Thermal 2	None

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										


35LYE4041
Ø6.61
3.31
2.19
6.81
3.50
3.44
GROUND LEAD
LEAD HOLE (REF)
THERMAL LOCATION (WHEN REQ'D) STATOR BAND OR FREP (SEE ELECTRICAL)
6 HOLES Ø.34
6 SLOTS .34 WIDE
2.44
2.44
2.75
2.75
3.25
6.50
510-528 = 12.42
529-535 = 13.30
536-546 = 14.67
(1.18)
2.04
1.88
GROUND LEAD (REF)
Ø.88 LEAD HOLE
NAMEPLATE
.19 KEY 1.38 LONG
Ø.6250 .6245
CORD SLOT
1.00
.50
.50
3.00
2.75
5.00
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF INOPC SWD MODEL & DRAWING FOR PKG 30
REV: B
VERSION: 02
REVISED: 11:00:59 07/18/2019
TDR: 000001114686
MODEL NO. 35LYE4041
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
RESIL 56/56H OPEN 35LC W/TERM PLATE
SH 1 of 1
35LYE4041

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.

CD0703

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: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

TYPE LC, DV, REV, THERMAL, TERMINAL PLATE

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