ABB BALDOR RELIANCE

Customer information packet

JSL625A

1.5HP, 3450RPM, 1PH, 60HZ, 3524L, N
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	56YZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	1.500 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	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	11.000 A @ 208.0 V
	18.000 A @ 115.0 V
	9.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	72.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	R
Type	AC
Mech. spec.	35E2011
Base	
Status	PRD/A
Elec. spec.	35WGL466
Layout	35LYE2011
Eff. date	05-07-2024
CD Diagram	CD0203
Poles	02
Leads	4#14 A&J,1#18 B PH,1#12 #1TH
Proprietary	False
Created date	01-21-2016

High Voltage Full Load Amps	9.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A&J
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3524L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.43 IN
Power Factor	75
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Pool Pump
Pulley Shaft Indicator	Ext Thread & Tapped Hole
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.30
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	Shaft 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 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	JSL625A										
SPEC.	35E2011L466G1										
HP	1.5										
VOLTS	115/230										
AMP	18/9										
RPM	3450										
FRAME	56YZ			**HZ**	60		**PH**	1			
SER.F.	1.30	**CODE**	H	**DES**	L	**CL**	B				
NEMA-NOM-EFF	72	**PF**	75								
RATING	40C AMB-CONT										
CC											
DE	6203	**ODE**	6203								
ENCL	OPSB	**SN**									
	SFA 21/10.5										

AC Induction Motor Performance Data
Record # 54666
Typical performance - not guaranteed values

Winding: 35WGL466-R001	**Type:** 3524L	**Enclosure:** OPEN

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	2.27 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			18/9	**Breakdown Torque**	7.57 LB-FT
R.P.M.			3450	**Pull-up Torque**	6.05 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	7.32 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	108 A
Service Factor (S.F.)			1.3	**No-load Current**	10.8 A
NEMA Nom. Eff.	72	**Power Factor**	75	**Line-line Res. @ 25ºC**	0.313 Ω A Ph 0.963 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	78°C
S.F. Amps			21/10.5	**Temp. Rise @ S.F. Load**	97°C
				Locked-rotor Power Factor	84.9
				Rotor inertia	0.0664 LB-FT2

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	41	57	67	75	80	83	81
Efficiency	49	64	70.8	74.1	74.4	74.6	74.4
Speed	3574	3554	3534	3513	3488	3460	3482
Line amperes	11.8	13.3	15.3	17.7	20.6	23.7	21.2

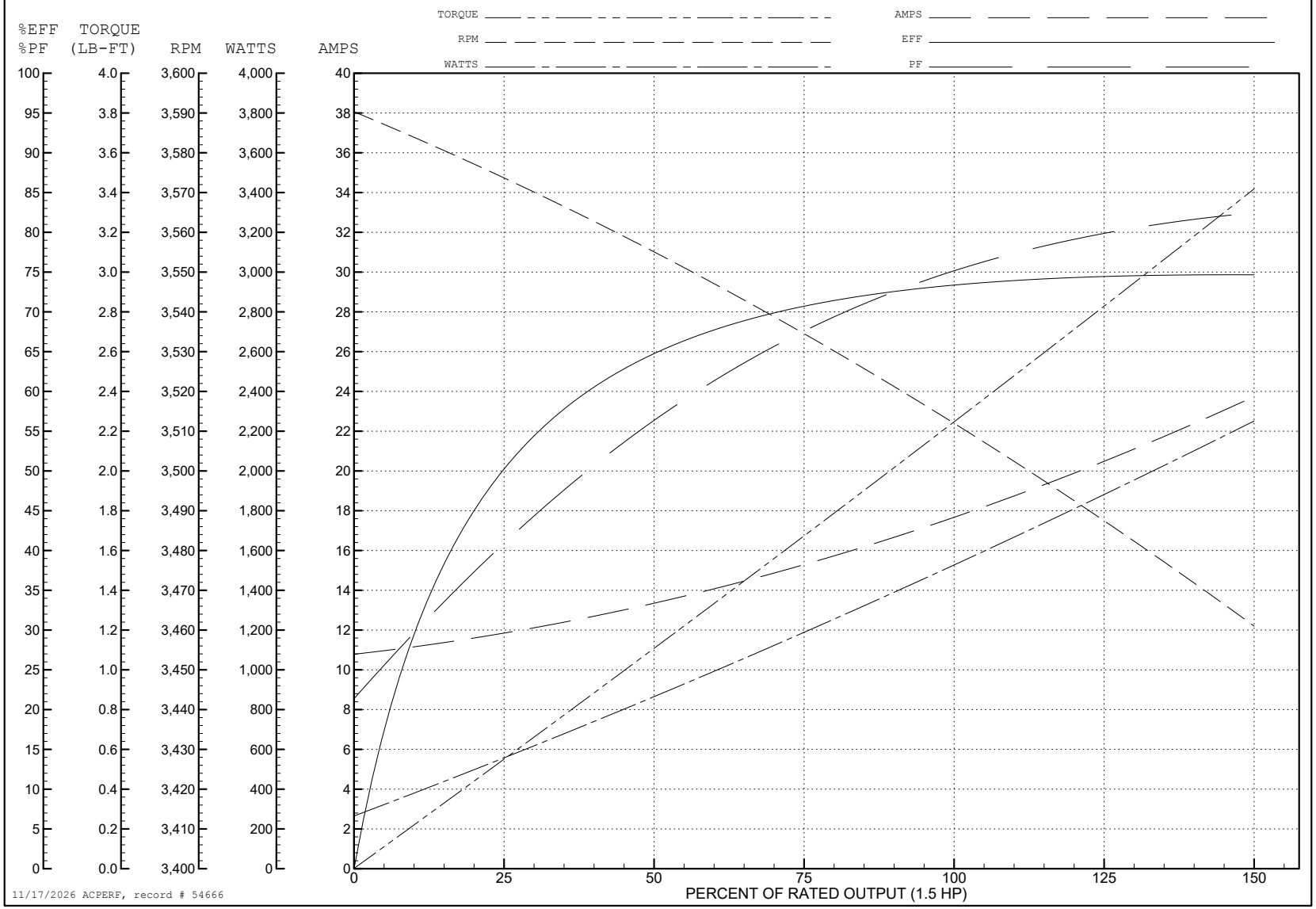
ABB Motors and Mechanical Inc.

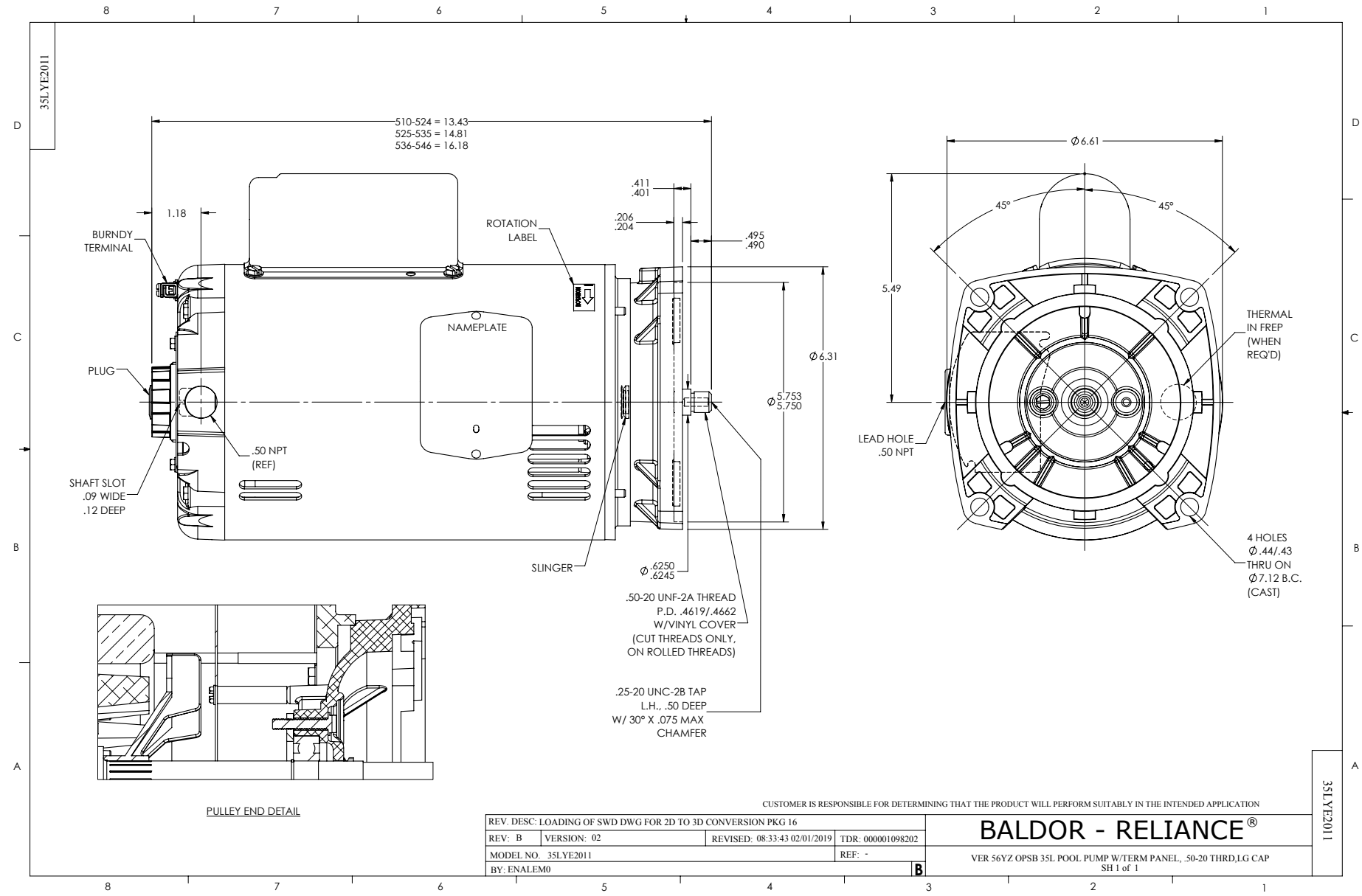
WINDING # 35WGL466

1.5 HP 1 PH 60 HZ 3450 RPM 115 V 3524L

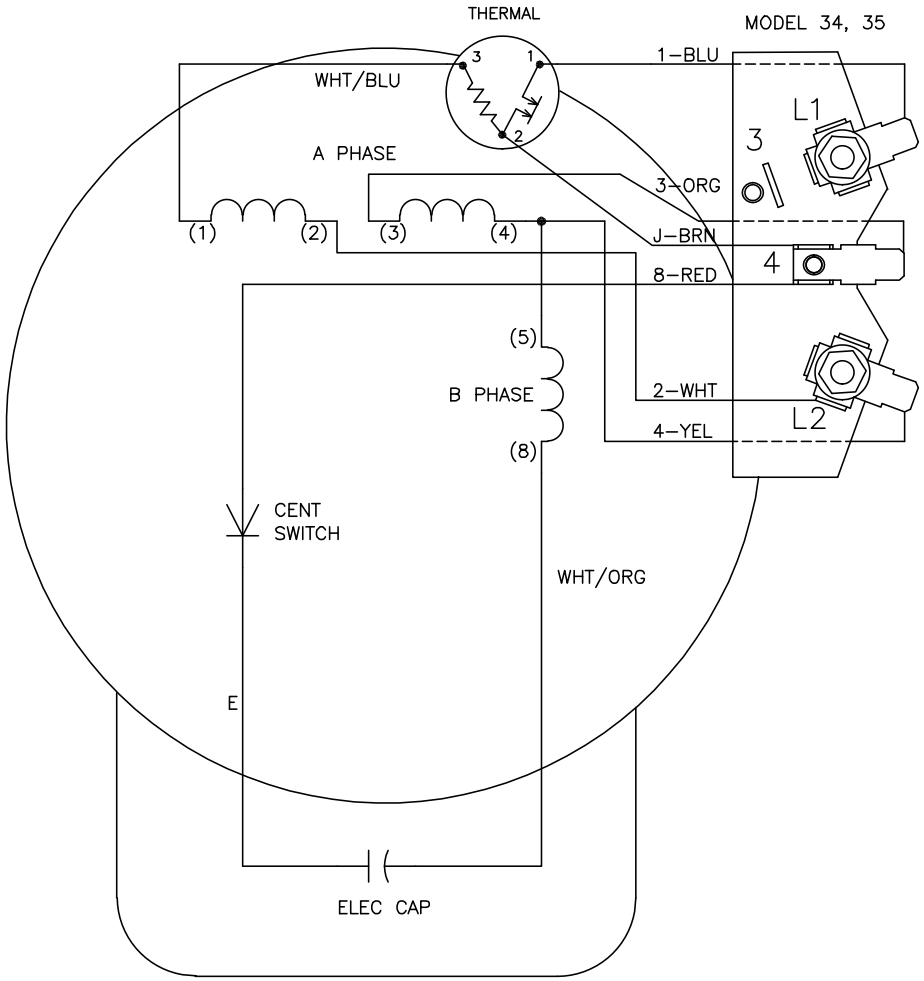
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=7.57 PU=6.05 LR=7.32 LRA=108




35LYE2011
510-524 = 13.43
525-535 = 14.81
536-546 = 16.18
1.18
BURNDY TERMINAL
ROTATION LABEL
.411
.401
.206
.204
.495
.490
NAMEPLATE
PLUG
Ø6.31
Ø5.753
5.750
.50 NPT (REF)
SHAFT SLOT .09 WIDE .12 DEEP
SLINGER
Ø.6250
.6245
.50-20 UNF-2A THREAD P.D. .4619/.4662 W/VINYL COVER (CUT THREADS ONLY, ON ROLLED THREADS)
.25-20 UNC-2B TAP L.H., .50 DEEP W/ 30° X .075 MAX CHAMFER
Ø6.61
45°
45°
5.49
THERMAL IN FREP (WHEN REQ'D)
LEAD HOLE .50 NPT
4 HOLES Ø.44/.43 THRU ON Ø7.12 B.C. (CAST)
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF SWD DWG FOR 2D TO 3D CONVERSION PKG 16
REV: B
VERSION: 02
REVISED: 08:33:43 02/01/2019
TDR: 000001098202
MODEL NO. 35LYE2011
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
VER 56YZ OPSB 35L POOL PUMP W/TERM PANEL, .50-20 THRD,LG CAP
SH 1 of 1
35LYE2011

CD0203



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 5 AND 8 INTERNALLY FOR OPPOSITE STANDARD ROTATION.

3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.

4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0203

REV. DESC: REMOVE MODEL 17 CONNECTION		
REV. LTR: G	VERSION: 02	TDR: 000001250682
FILE: \AAA\00007\108	REVISED: 12:29:47 04/16/2025	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

TYPE L, DV, FIX, THERMAL, TERMINAL PLATE

SH 1 of 1