

ABB BALDOR RELIANCE III

Customer information packet

JSL625A

1.5HP, 3450RPM, 1PH, 60HZ, 3524L, N

Class - None

Division - Not Applicable

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								

Parts List

Part number	Description	Quantity
SA314292	SA 35E2011L466G1	1.000 ea
RA301768	RA 35E2011L466G1	1.000 ea
TPCRT38CS	THERMAL 1PH 1.00 AUT 135C	1.000 ea
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 ea
11XW0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 ea
WD1000B17	T&B CX35TN OR L35P TERMINAL LUG	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	1.000 ea
35EP3202B17	FREP OPEN 35L RESIL W/.50 NPT, .64 SHAF	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
WD4100A90	CAPLUG BPF-5/8, FOR .61-.63 HOLE	1.000 ea
SP1033A01	INSULATOR MODEL 35 TERM PANEL	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 ea
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
34EP3501A03	ENDPLATE, MACH POOL PUMP 17 FRAME-ASSY/K	1.000 ea
51XN1032A16	10-32 X 1.000 HX WS SL SR	2.000 ea
HA6647A03	ADAPTER, 34EP3501 TO 35 FRAME STATOR	1.000 ea
51XN1032A16	10-32 X 1.000 HX WS SL SR	4.000 ea
35AD2013	BAFFLE PLATE, STAMPED STEEL FOR 34EP2502	1.000 ea
HA2001A10	SPACER, .218 ID X .1250 LG	4.000 ea
11XF0832A24	8.32X1.50HXWSHR HD,SL,TYF	4.000 ea
35CB4500	TERMINAL BOX LID STAMPED	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 ea
RM1010A12	.437 I.D. 1" VINYL CAP (SHORT) MOCAP	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.017 ga
HA6015A02	THERMAL RETAINER (PLATED)	1.000 ea

NS2500A06	INSULATOR,AUTO THER PROT,W/PSA ON 1 SIDE	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
SP5066A01	35 TERM PANEL SWITCH W/E-BLK, 8-RED	1.000 ea
HA3100A41	THRUBOLT 10-32 X 10.500	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
LC0546	CONNECTION LABEL	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea

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. @ 25°C		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

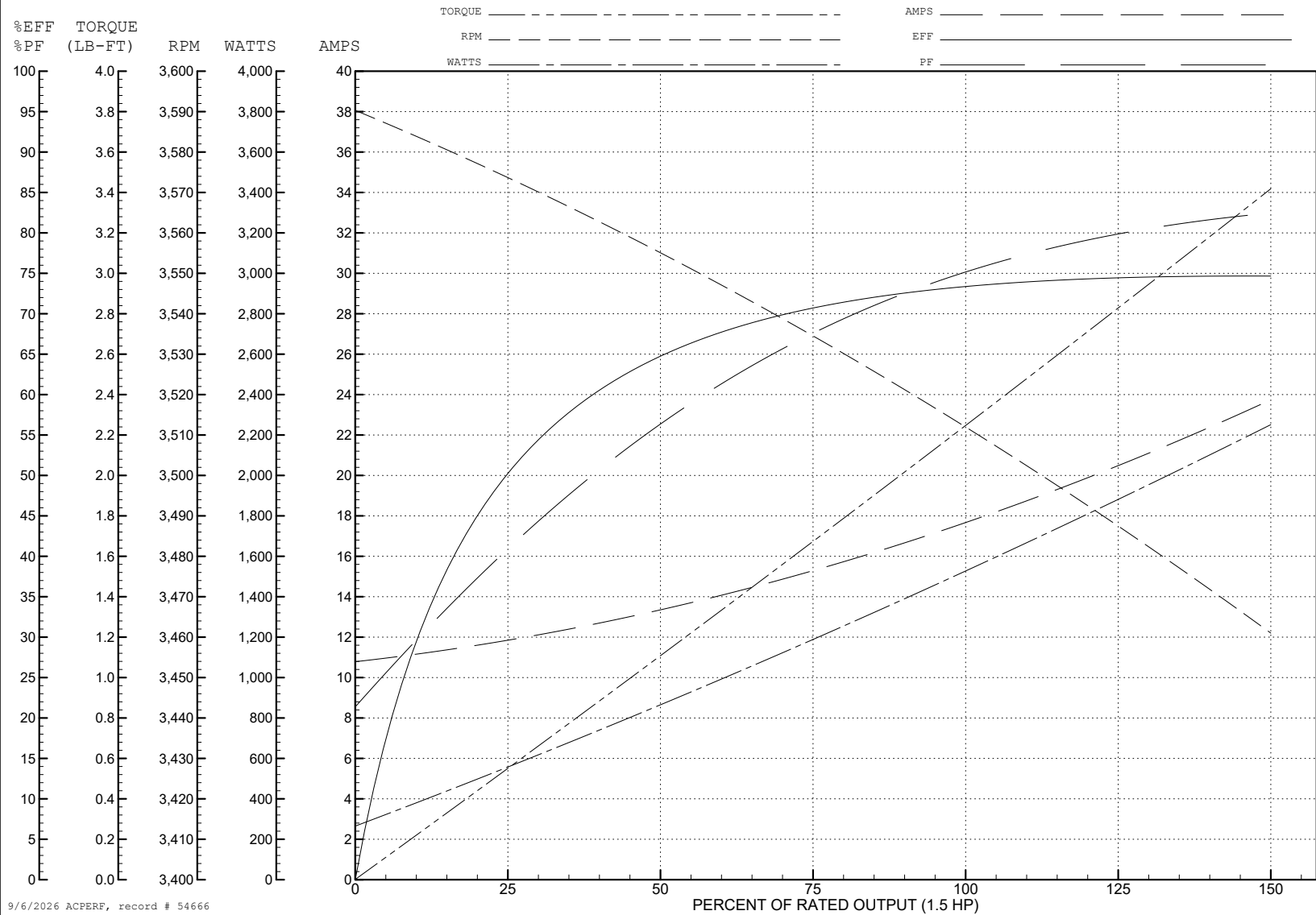
ABB Motors and Mechanical Inc.

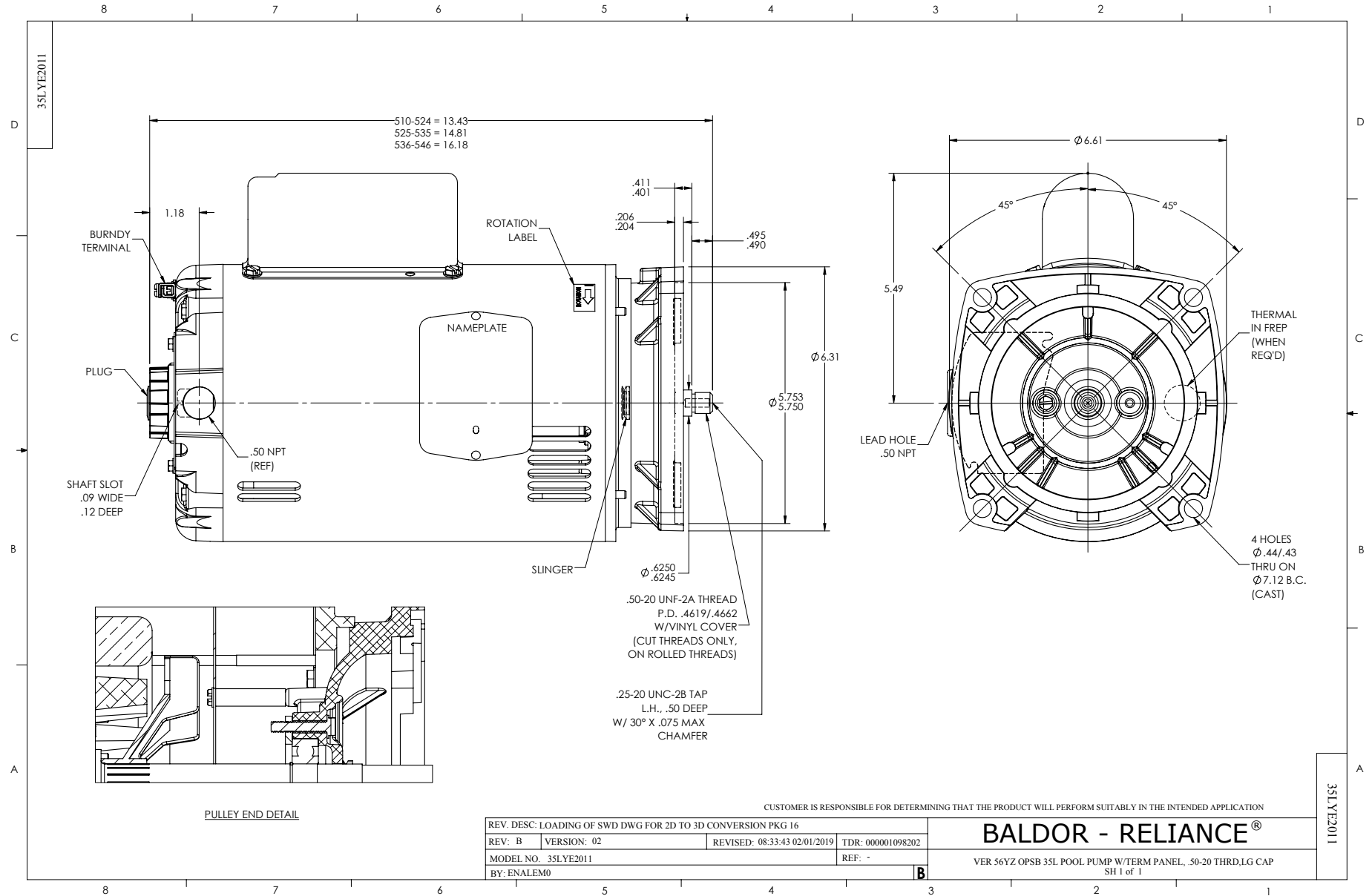
WINDING # 35WGL466

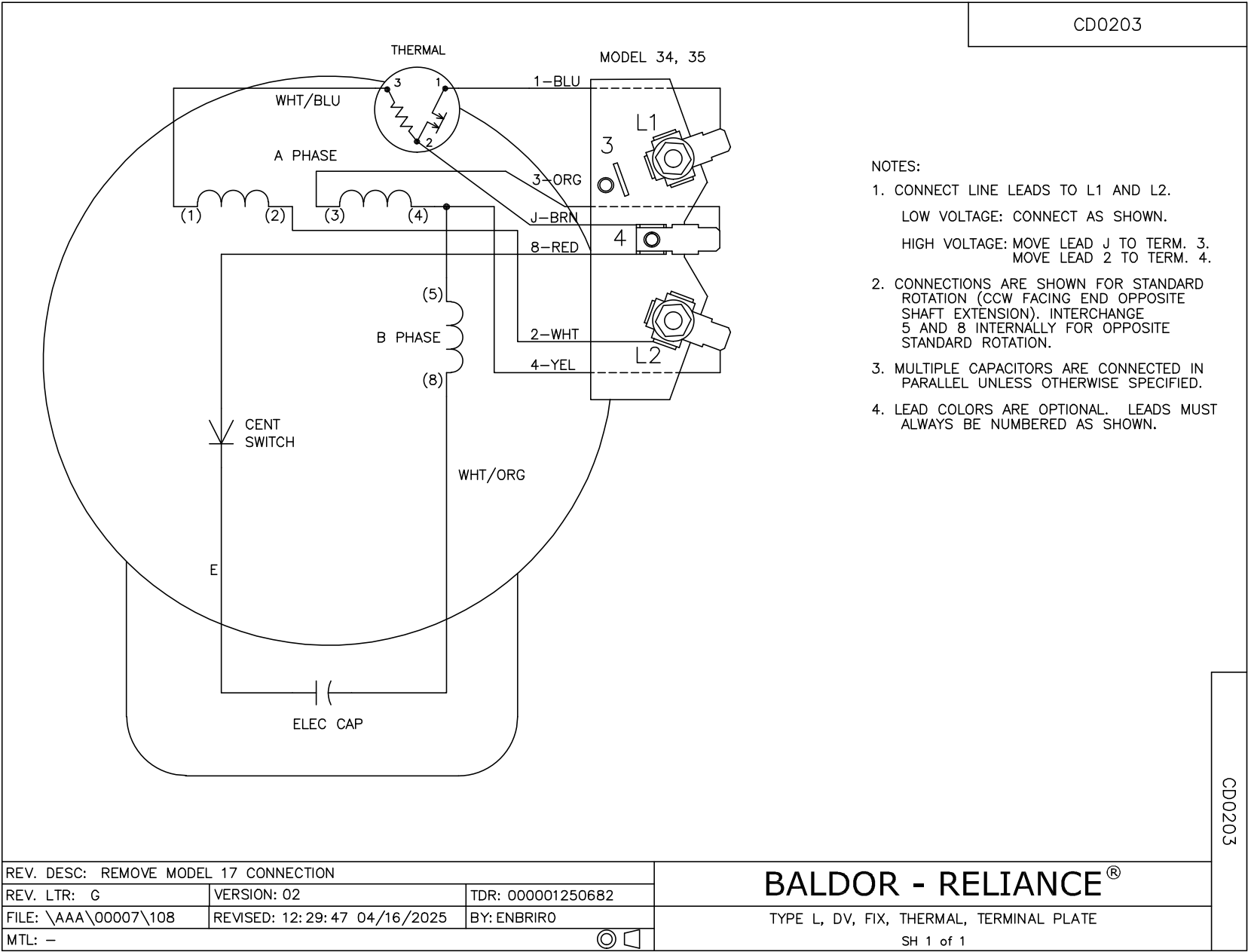
Typical performance - not guaranteed values.

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

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







- 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.