ABB BALDOR RELIANCE

Customer information packet

CJL1313A

1.5HP, 3450RPM, 1PH, 60HZ, 56J, 3432LC, OPEN
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/1/2026 6:44:28 PM

Specifications

Enclosure	OPEN
Frame	56J
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	1.500 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	CSA
	UR
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	13.000 A @ 115.0 V
	6.500 A @ 230.0 V
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.5 a
Insulation Class	B

Part Detail

Revision	Y
Type	AC
Mech. spec.	34F532
Base	
Status	PRD/A
Elec. spec.	34WGX598
Layout	34LYF532
Eff. date	09-15-2026
CD Diagram	CD0769
Poles	02
Leads	4#16 A&J,1#18 B PH,1#14 #1TH
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3432LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.89 IN
Power Factor	95
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Ext Thread
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	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	Automatic Thermal Overload
Winding Thermal 1 Location	SB

Nameplate

NP1257L									
CAT.NO.	CJL1313A								
SPEC.	34F532X598								
HP	1.5								
VOLTS	115/230								
AMP	13/6.5								
RPM	3450								
FRAME	56J		**HZ**	60		**PH**	1		
SER.F.	1.30	**CODE**	H	**DES**	-	**CL**	B		
NEMA-NOM-EFF	78.5	**PF**	95						
RATING	40C AMB-CONT								
CC									
DE	6203	**ODE**	6203						
ENCL	OPEN	**SN**							
	SFA 17/8.5								

Parts List

Part number	Description	Quantity
SA043977	SA 34F532X598	1.000 ea
RA039435	RA 34F532X598	1.000 ea
OC3050C09	CYL OIL CAP 50MFD/240V	1.000 ea
EC1540A06SP	ELEC CAP, 540-648 MFD, 125V, 2.06D X 4.	1.000 ea
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 ea
34EP3202A02	FR ENDPLATE, MACH	1.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 ea
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 ea
34CB3801	CAPACITOR BOX, DIE CAST	1.000 ea
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3401A01SP	PU ENDPLATE, MACH	1.000 ea
34AD2000	BAFFLE PLATE, STAMPED	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
34FH4500A02P	DRIPCOVER, MODEL 34	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
RM1010A01	35-968-1 VINYL CLS	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
SP5068A03	34LC TERM PANEL STAT SWITCH #E-6" AND #O	1.000 ea
HA3100A21	THRUBOLT 10-32 X 9.937	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
27PA1001	PKG GRP, PRINT PK1027A07	1.000 ea

AC Induction Motor Performance Data
Record # 7475
Typical performance - not guaranteed values

Winding: 34WGX598-R001	**Type:** 3432LC	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	2.3 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			13/6.5	**Breakdown Torque**	6.2 LB-FT
R.P.M.			3450	**Pull-up Torque**	5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	6.7 LB-FT
NEMA Design Code	-	**KVA Code**	H	**Starting Current**	43.5 A
Service Factor (S.F.)			1.3	**No-load Current**	1.65 A
NEMA Nom. Eff.	78.5	**Power Factor**	95	**Line-line Res. @ 25ºC**	1.58 Ω A Ph 1.44 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	38°C
S.F. Amps			17/8.5	**Temp. Rise @ S.F. Load**	53°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	81	90	93	95	95	95	95
Efficiency	60.5	76.2	77.7	78.5	77.2	75.3	76.8
Speed	3566	3534	3498	3455	3403	3343	3391
Line amperes	2.45	3.65	5	6.5	8.25	10.25	8.65

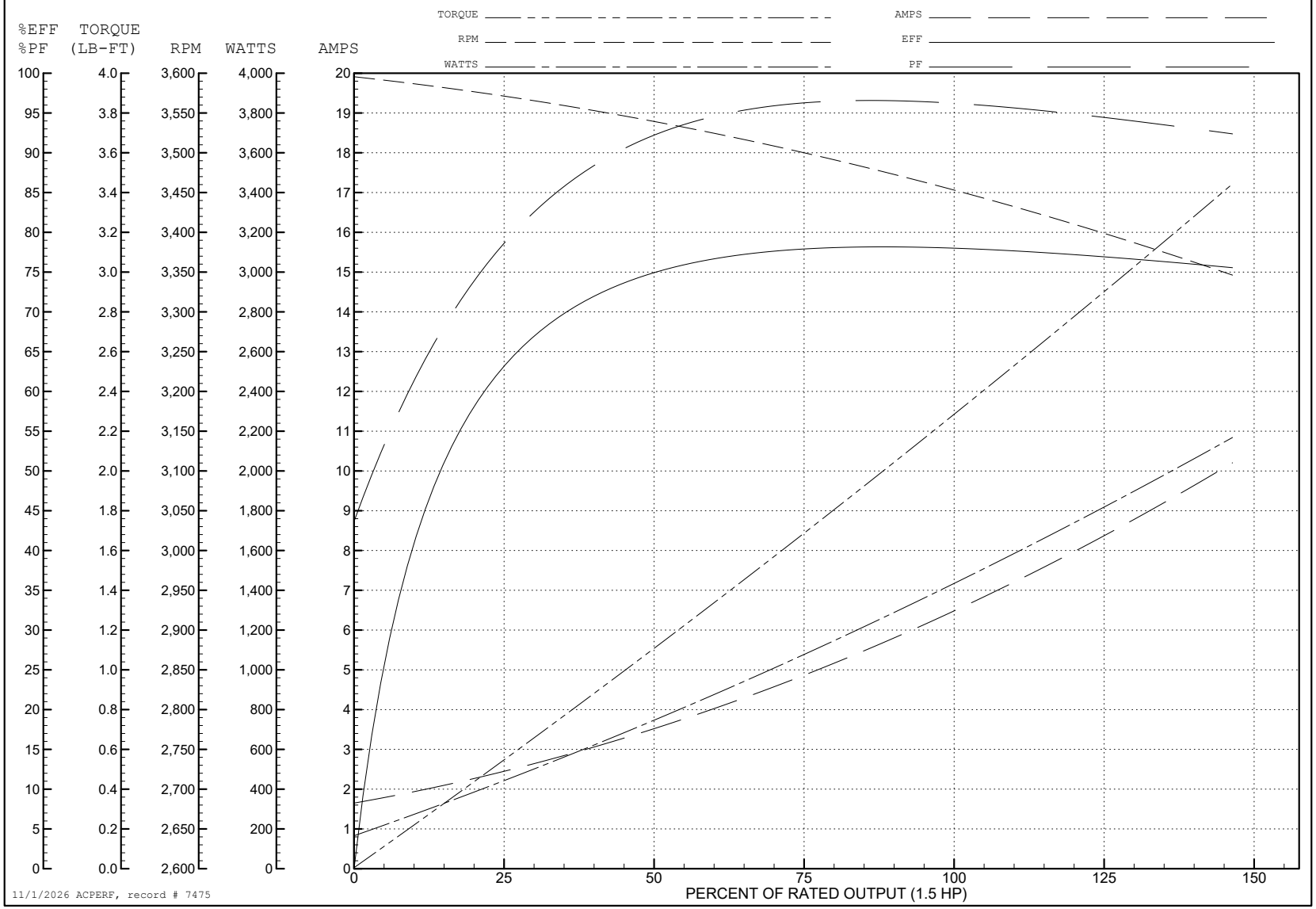
ABB Motors and Mechanical Inc.

WINDING # 34WGX598

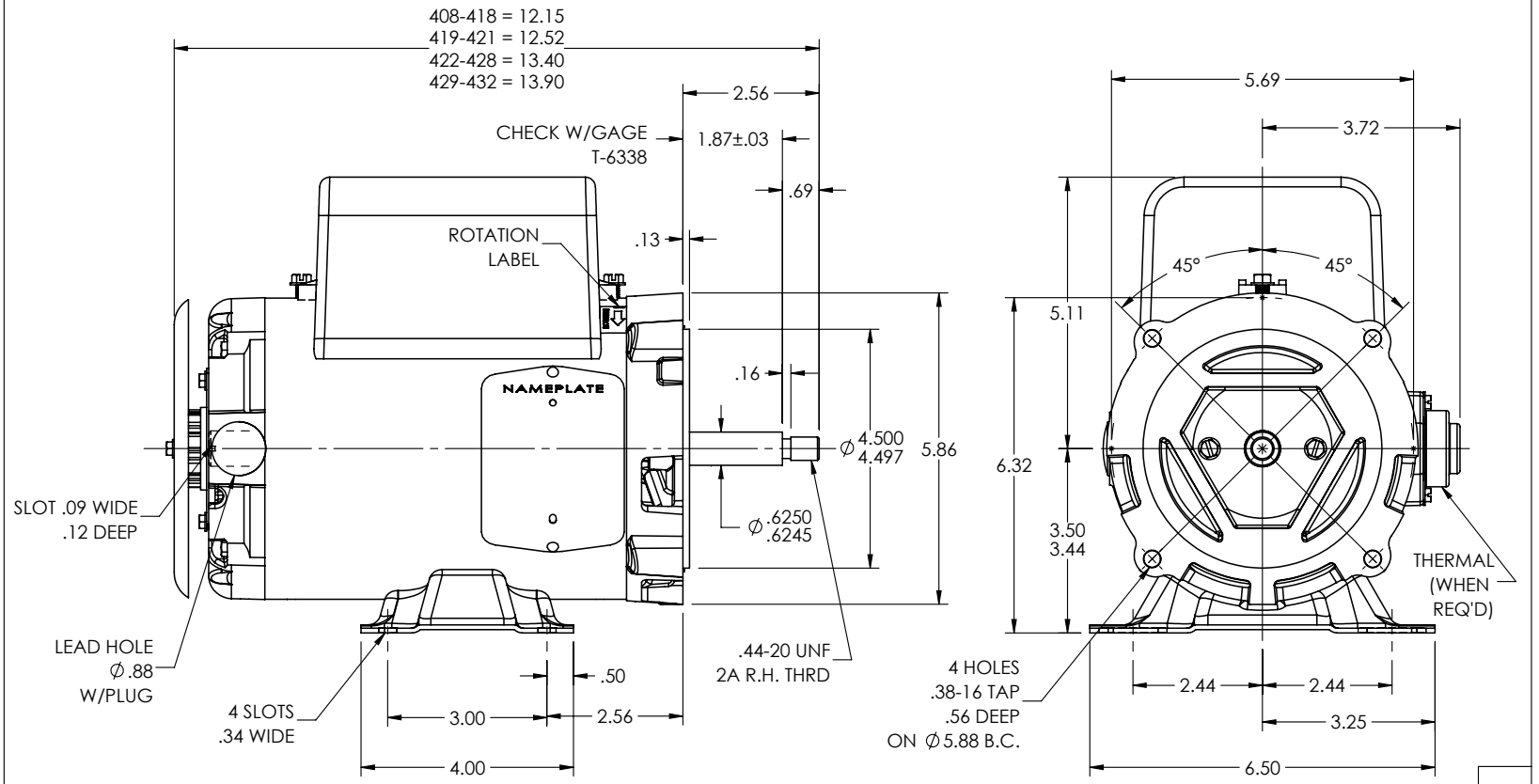
1.5 HP 1 PH 60 HZ 3450 RPM 230 V 3432LC

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=6.2 PU=5 LR=6.7 LRA=43.5



34LYF532



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

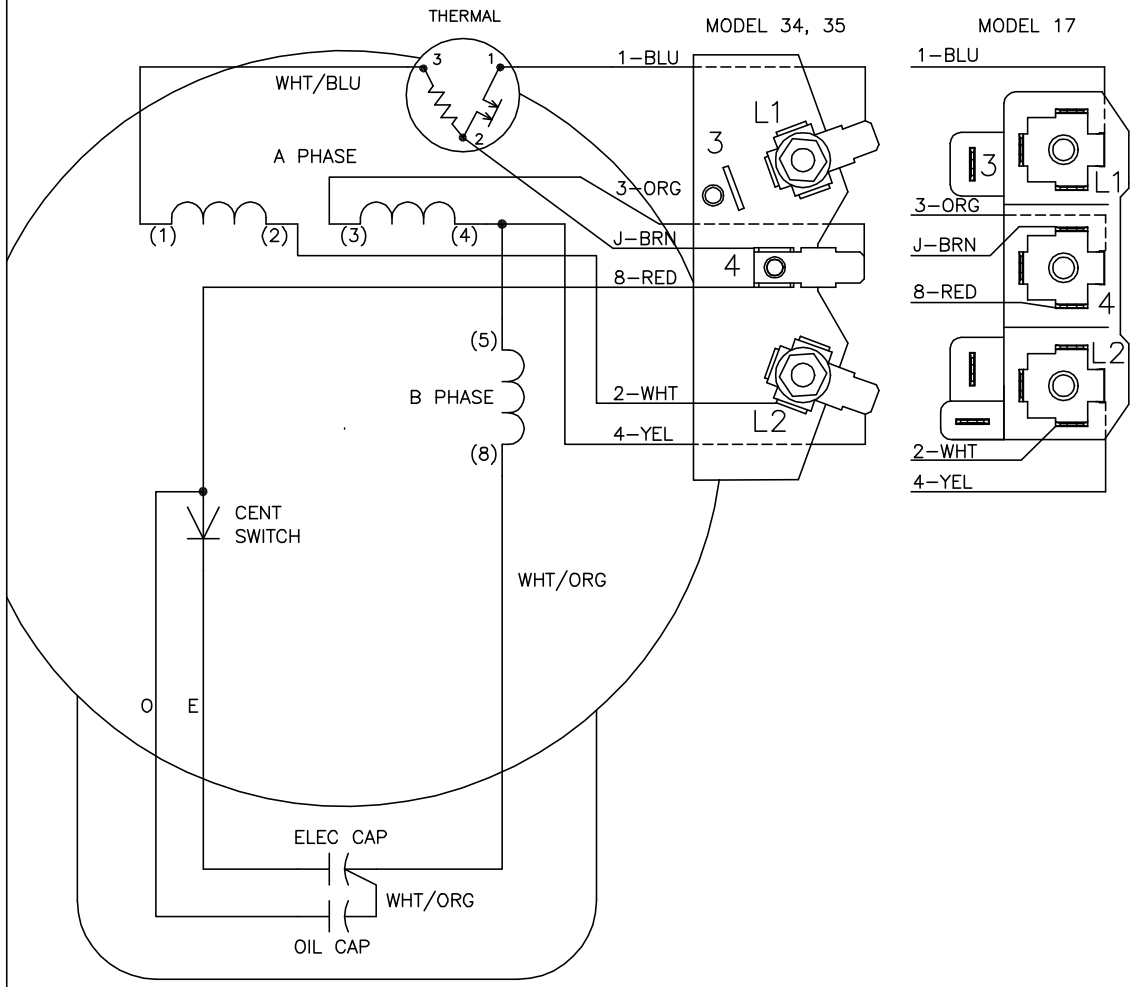
REV. DESC: LOAD TO SOLIDWORKS - REV A			
REV: B	VERSION: 02	REVISED: 09:42:00 04/10/2023	TDR: 000001201165
34LYF532	MODEL NO. 34LYF532		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

STD HORZ 34LC NEMA 56J OPEN W/TERM PANEL & DRIP COVER

34LYF532

CD0769



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.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: E	VERSION: 01	TDR: 000000373051	
CD0769	FILE: \AAA\00007\260	REVISED: 15:13:50 09/08/2005	TYPE LC, DV, FIX, THERMAL, B PH AMPS THRU HTR–HVC,TERM PLATE
	MTL: –	BY: ENJOEP0	

CD0769