ABB BALDOR RELIANCE

Customer information packet

CJL1307A

.75HP, 1725RPM, 1PH, 60HZ, 56J, 3428L, OPEN, F1
Class - None
Division - Not Applicable

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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, Induction Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	C UR US
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	10.200 A @ 115.0 V
	5.100 A @ 230.0 V
	6.000 A @ 208.0 V
Design Code	N
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.1 a
Insulation Class	B

Part Detail

Revision	C
Type	AC
Mech. spec.	34F497
Base	
Status	PRD/A
Elec. spec.	34WGW169
Layout	34LYF497
Eff. date	09-15-2026
CD Diagram	CD0203
Poles	04
Leads	5#18,1#14 #1TH
Proprietary	False
Created date	01-14-2025

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	5 @ 18 AWG
Motor Lead Termination	Flying Leads With QC
Motor Standards	NEMA
Motor Type	3428L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.90 IN
Power Factor	68
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	1.25
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed	1725 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

	NP1257L									
CAT.NO.	CJL1307A									
SPEC.	34F497W169G1									
HP	.75									
VOLTS	115/230									
AMP	10.2/5.1									
RPM	1725									
FRAME	56J		**HZ**	60		**PH**	1			
SER.F.	1.25	**CODE**	K	**DES**	N	**CL**	B			
NEMA-NOM-EFF	68	**PF**	68							
RATING	40C AMB-CONT									
CC										
DE	6203	**ODE**	6203							
ENCL	OPEN	**SN**								
	SFA 11.4/5.7									

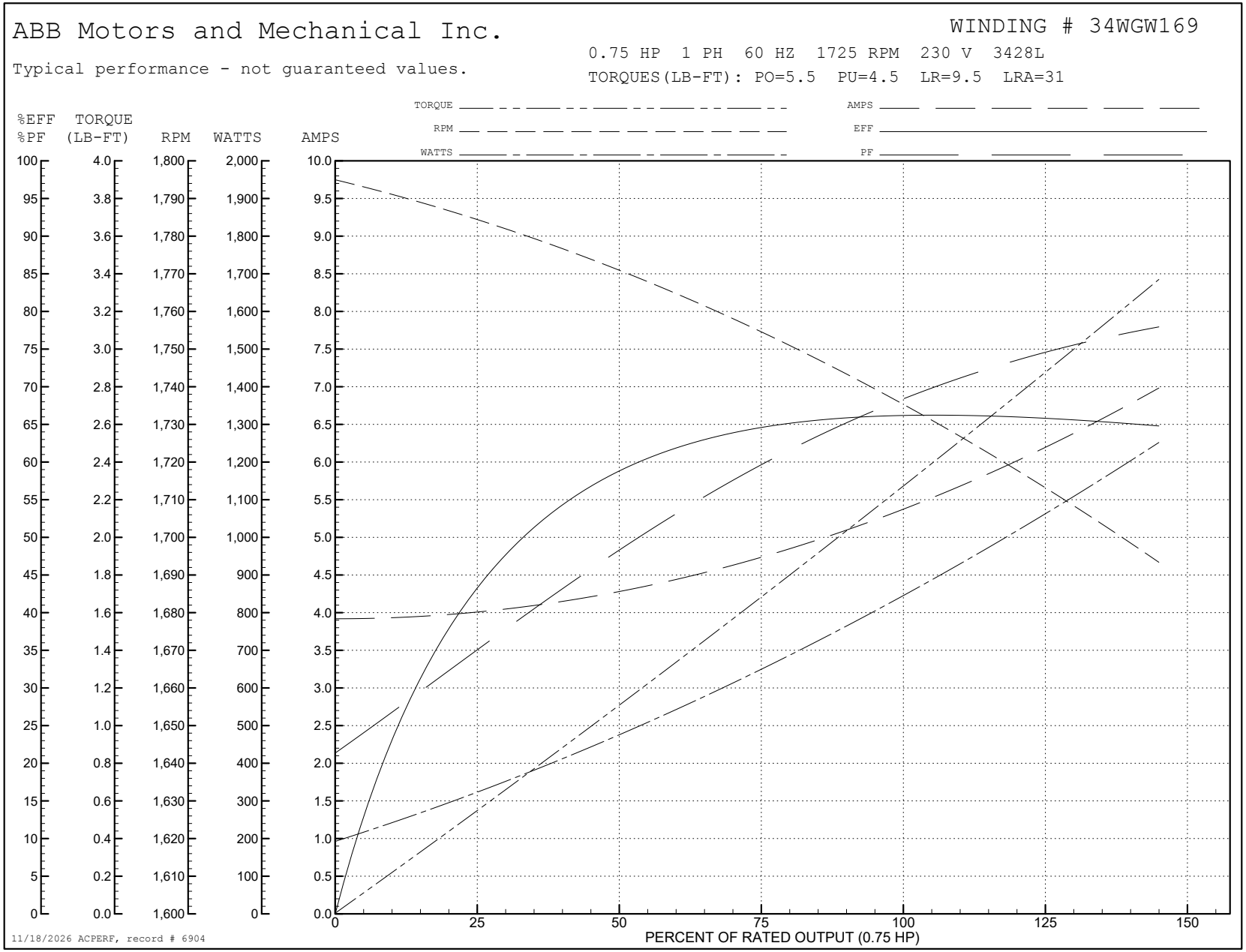
AC Induction Motor Performance Data
Record # 6904
Typical performance - not guaranteed values

Winding: 34WGW169-R001	**Type:** 3428L	**Enclosure:** OPEN

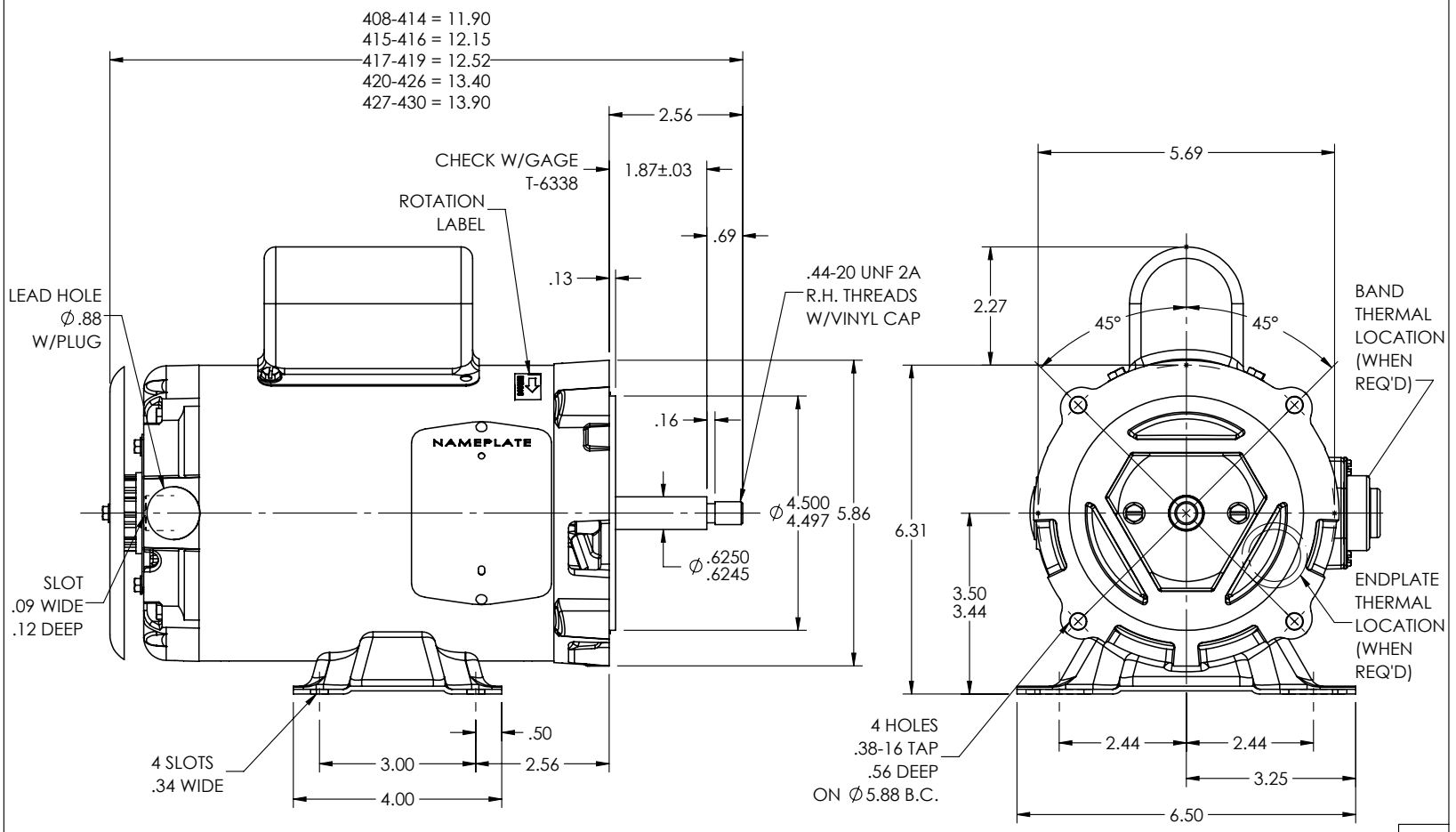
Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	2.25 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			10.2/5.1	**Breakdown Torque**	5.5 LB-FT
R.P.M.			1725	**Pull-up Torque**	4.5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	9.5 LB-FT
NEMA Design Code	N	**KVA Code**	K	**Starting Current**	31 A
Service Factor (S.F.)			1.25	**No-load Current**	3.9 A
NEMA Nom. Eff.	68	**Power Factor**	68	**Line-line Res. @ 25ºC**	3.1 Ω A Ph 1.64 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	74°C
S.F. Amps			11.4/5.7	**Temp. Rise @ S.F. Load**	90°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	35	49	63	70	76	80	76
Efficiency	45.4	59.1	62.7	66.7	66.8	64.4	66.8
Speed	1783	1770	1754	1737	1717	1692	1717
Line amperes	4.05	4.25	4.8	5.3	6.1	7	6.1


ABB Motors and Mechanical Inc.
WINDING # 34WGW169
Typical performance - not guaranteed values.
0.75 HP 1 PH 60 HZ 1725 RPM 230 V 3428L
TORQUES(LB-FT): PO=5.5 PU=4.5 LR=9.5 LRA=31
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
11/18/2026 ACPERF, record # 6904

34LYF497



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

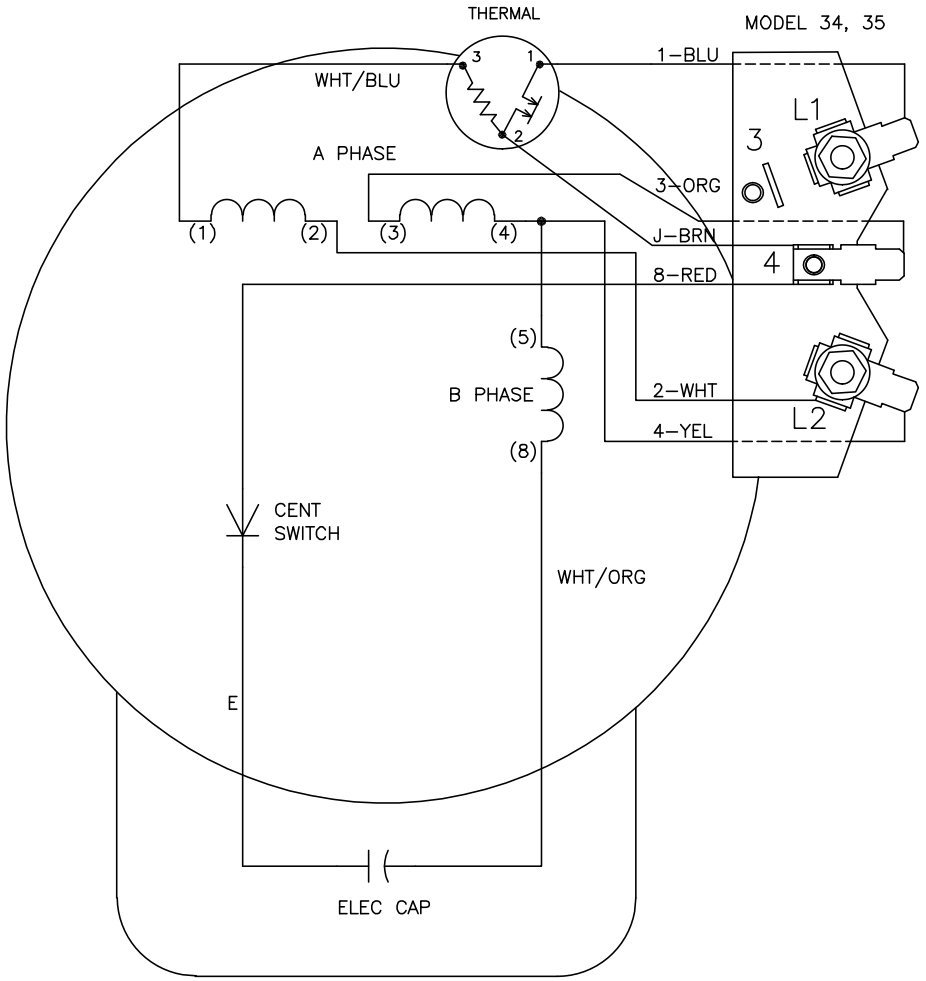
REV. DESC: ADD SB THERMAL GRAPHIC AS ANOTHER OPTION			
REV: D	VERSION: 03	REVISED: 02:01:24 01/17/2025	TDR: 000001248291
34LYF497	MODEL NO. 34LYF497		REF: -
	BY: USGRHUR		

BALDOR - RELIANCE®

HORZ 34L NEMA 56J OPEN W/DRIP COVER & TERM PLATE

34LYF497

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: –		

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TYPE L, DV, FIX, THERMAL, TERMINAL PLATE

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