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									

Parts List

Part number	Description	Quantity
SA433857	SA 34F497W169G1	1.000 ea
RA426146	RA 34F497W169G1	1.000 ea
EC1460A05SP	ELEC CAP, 460-552 MFD, 125V, 2.06D X 3.	1.000 ea
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	1.000 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
RM1010A01	35-968-1 VINYL CLS	1.000 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
34EP3202A02	FR ENDPLATE, MACH	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 ea
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 ea
SP5086A01	34 TERM PANEL SWITCH W/E-BLK & 8-RED	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
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0546	CONNECTION LABEL	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea

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

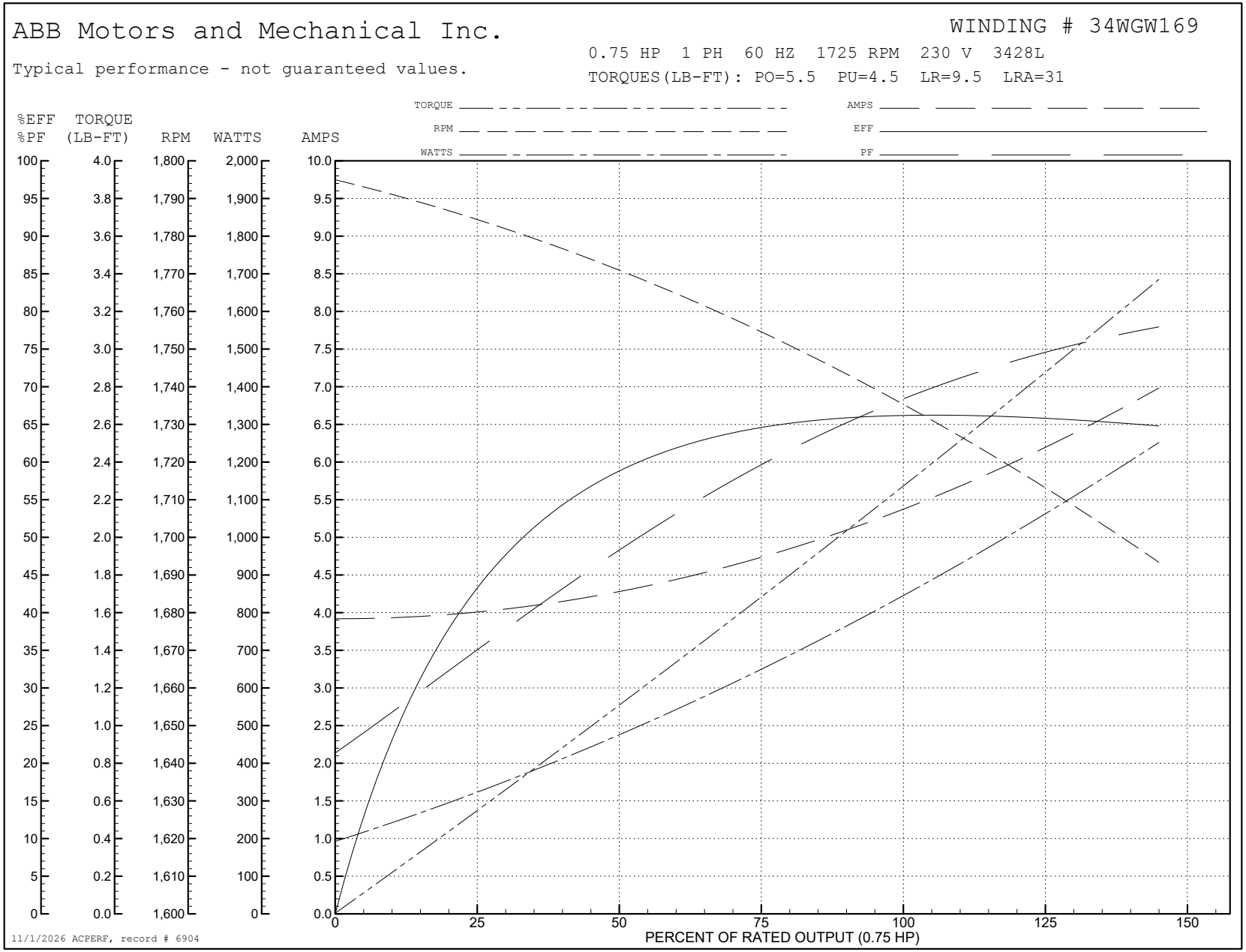
Winding: 34WGW169-R001 **Type:** 3428L **Enclosure:** OPEN

Nameplate Data			
Rated Output (HP)			.75
Volts			115/230
Full Load Amps			10.2/5.1
R.P.M.			1725
Hz	60	**Phase**	1
NEMA Design Code	N	**KVA Code**	K
Service Factor (S.F.)			1.25
NEMA Nom. Eff.	68	**Power Factor**	68
Rating - Duty			40C AMB-CONT
S.F. Amps			11.4/5.7

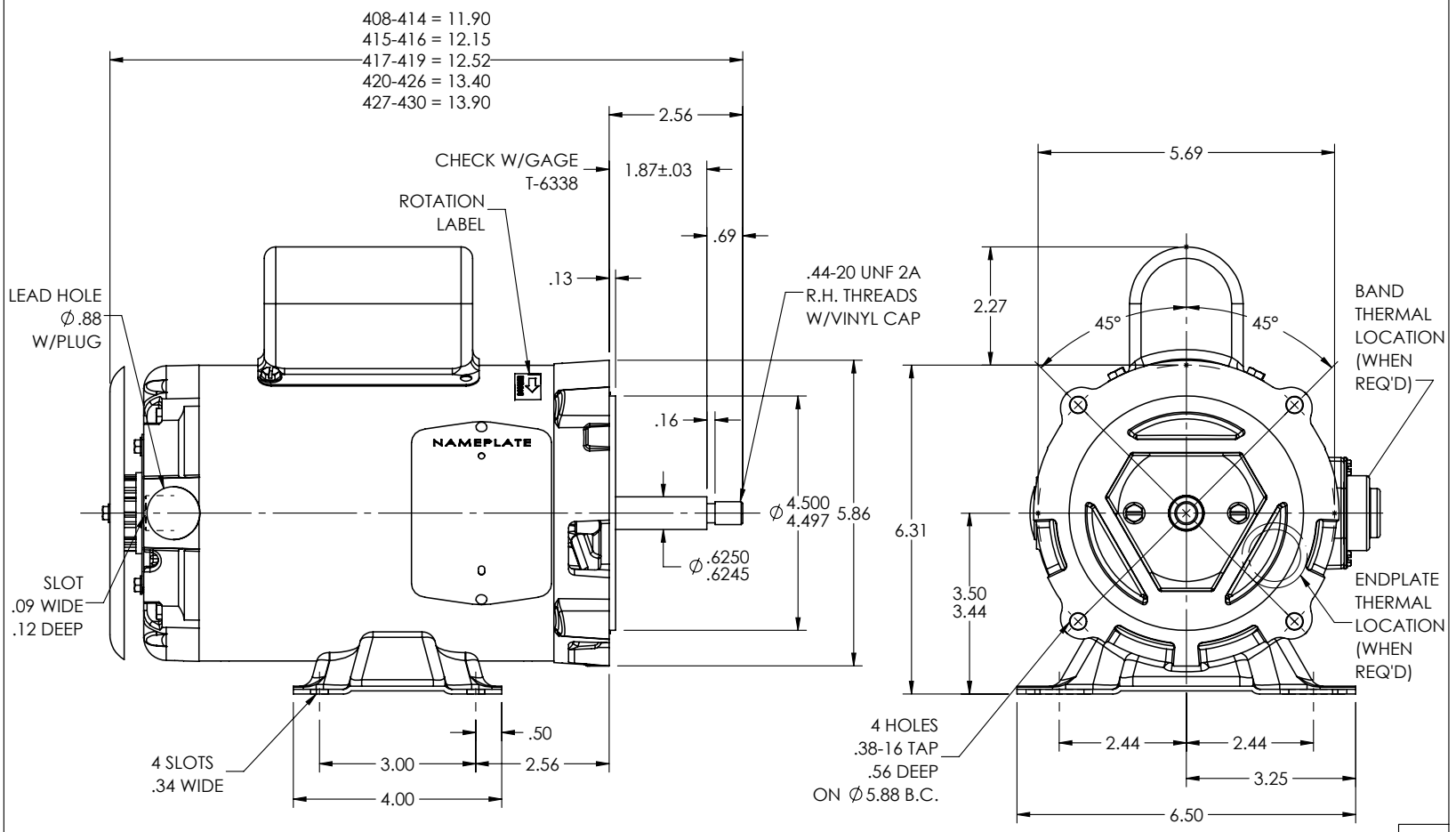
230 V, 60 Hz: High Voltage Connection	
Full Load Torque	2.25 LB-FT
Start Configuration	direct on line
Breakdown Torque	5.5 LB-FT
Pull-up Torque	4.5 LB-FT
Locked-rotor Torque	9.5 LB-FT
Starting Current	31 A
No-load Current	3.9 A
Line-line Res. @ 25ºC	3.1 Ω A Ph 1.64 Ω B Ph
Temp. Rise @ Rated Load	74°C
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
11/1/2026 ACPERF, record # 6904
PERCENT OF RATED OUTPUT (0.75 HP)

34LYF497



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

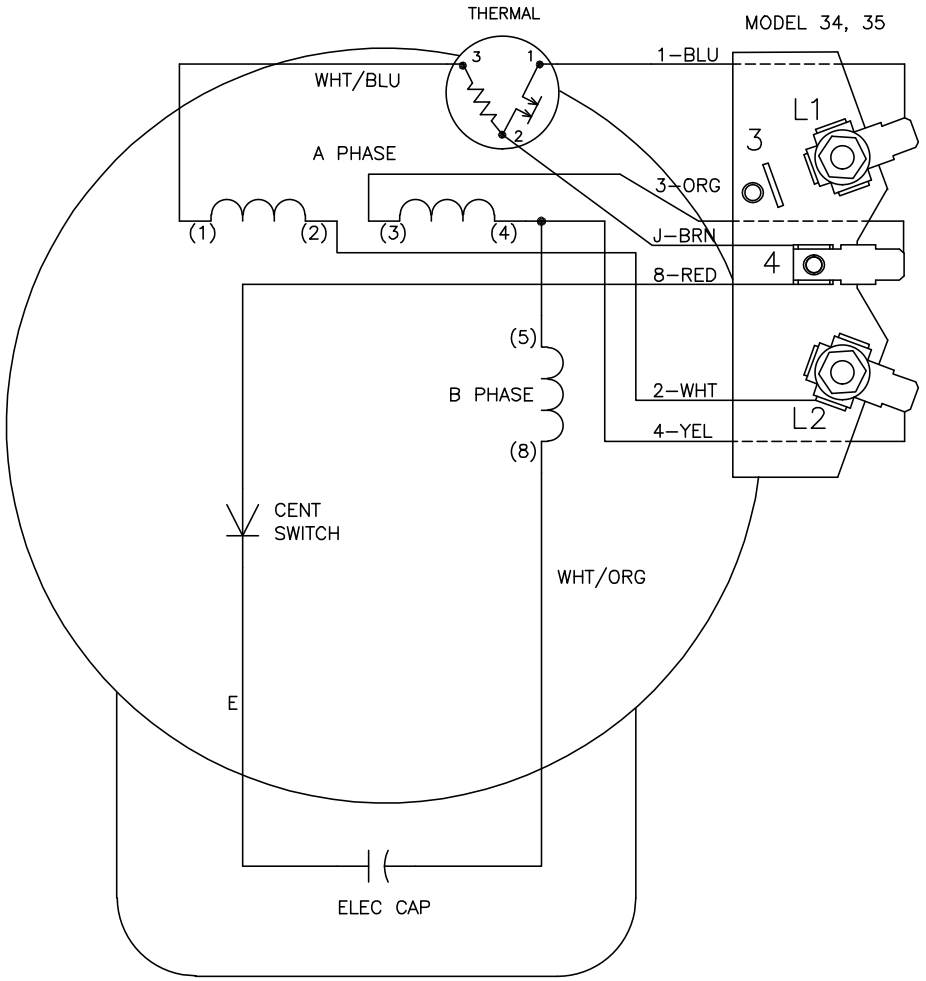
REV. DESC: ADD SB THERMAL GRAPHIC AS ANOTHER OPTION			
REV: D	VERSION: 03	REVISED: 02:01:24 01/17/2025	TDR: 000001248291
34LYF497	MODEL NO. 34LYF497		REF: -
	BY: USGRHUR		

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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