ABB BALDOR RELIANCE

Customer information packet

VL1306A

.75HP, 3450RPM, 1PH, 60HZ, 56C, 3424L, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56C
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	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 @ 115.0 V
	5.500 A @ 230.0 V
Design Code	N
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	69.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.5 a

Part Detail

Revision	AD
Type	AC
Mech. spec.	34F493
Base	
Status	PRD/A
Elec. spec.	34WG2414
Layout	34LYF493
Eff. date	09-15-2026
CD Diagram	CD0052
Poles	02
Leads	6#18,1#14 #1TH
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3424L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.88 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.50
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected OPP STD
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	ES
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	VL1306A										
SPEC.	34F493-2414										
HP	.75										
VOLTS	115/230										
AMP	11/5.5										
RPM	3450										
FRAME	56C		**HZ**	60		**PH**	1				
SER.F.	1.50	**CODE**	J	**DES**	N	**CL**	B				
NEMA-NOM-EFF	69	**PF**	68								
RATING	40C AMB-CONT										
CC											
DE	6203	**ODE**	6203								
ENCL	OPEN	**SN**									
	SFA 13/6.5										

AC Induction Motor Performance Data
Record # 6649
Typical performance - not guaranteed values

Winding: 34WG2414-R001	**Type:** 3424L	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	1.15 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			11/5.5	**Breakdown Torque**	3.98 LB-FT
R.P.M.			3450	**Pull-up Torque**	1.63 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	2.45 LB-FT
NEMA Design Code	N	**KVA Code**	J	**Starting Current**	31.2 A
Service Factor (S.F.)			1.5	**No-load Current**	3.7 A
NEMA Nom. Eff.	69	**Power Factor**	68	**Line-line Res. @ 25ºC**	2.33 Ω A Ph 1.65 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	75°C
S.F. Amps			13/6.5	**Temp. Rise @ S.F. Load**	108°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	39	52	64	73	79	83	85
Efficiency	41.7	57.6	65.5	69.2	69.8	69.3	70.4
Speed	3558	3536	3508	3479	3447	3410	3415
Line amperes	3.78	4	4.4	4.91	5.61	6.37	6.31

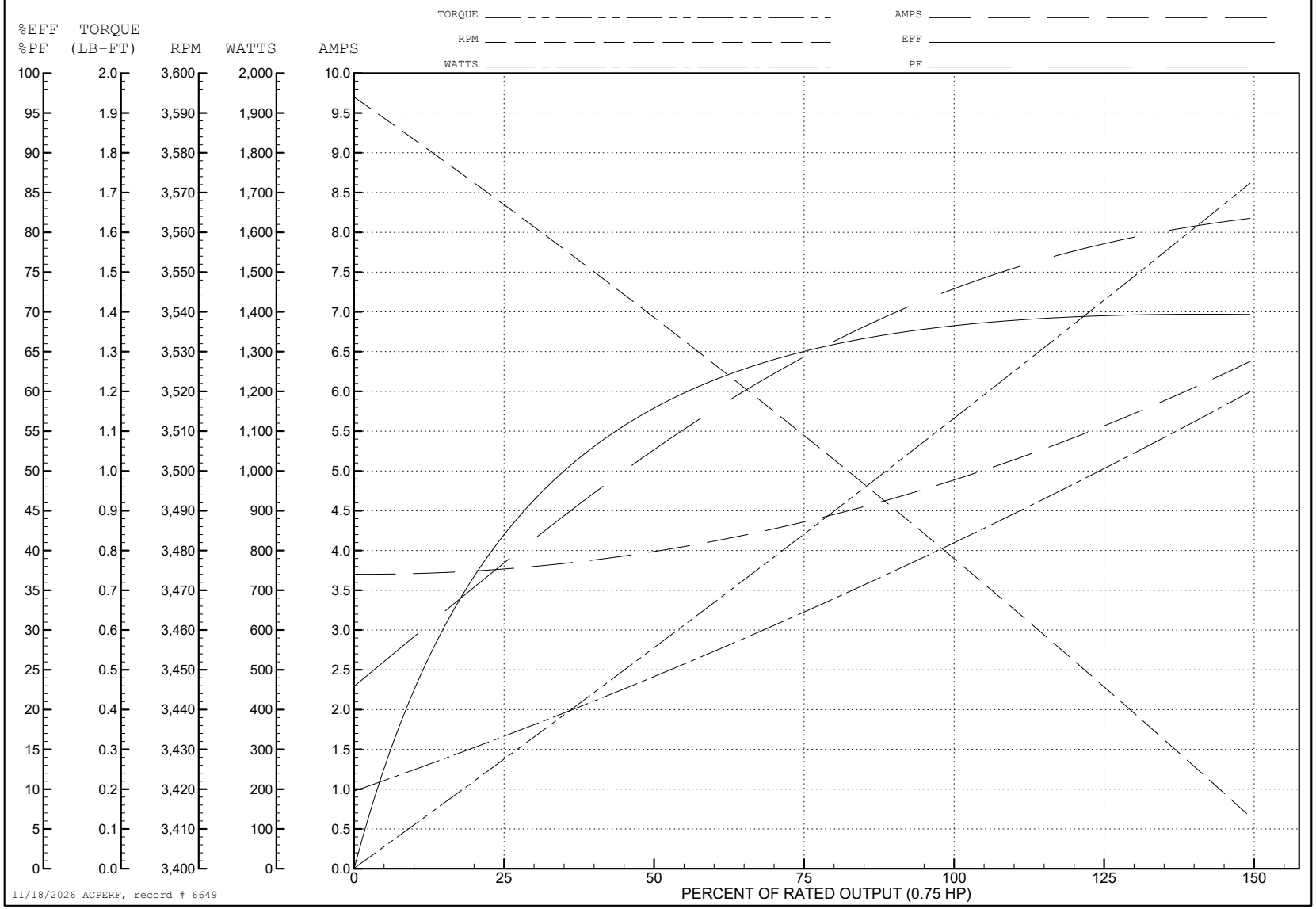
ABB Motors and Mechanical Inc.

WINDING # 34WG2414

0.75 HP 1 PH 60 HZ 3450 RPM 230 V 3424L

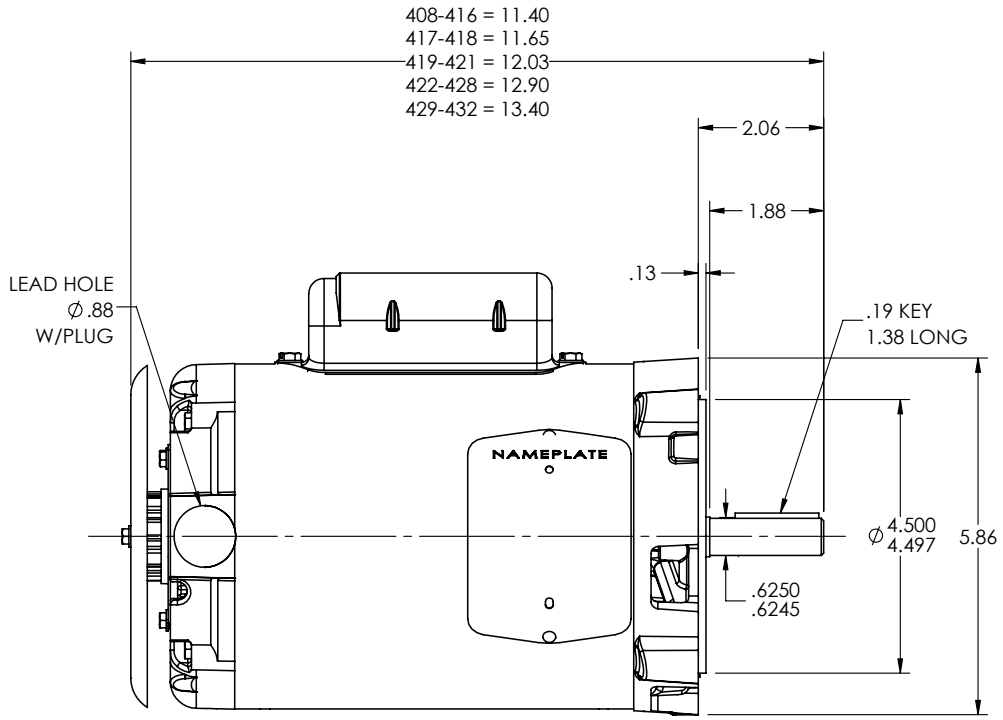
Typical performance - not guaranteed values.

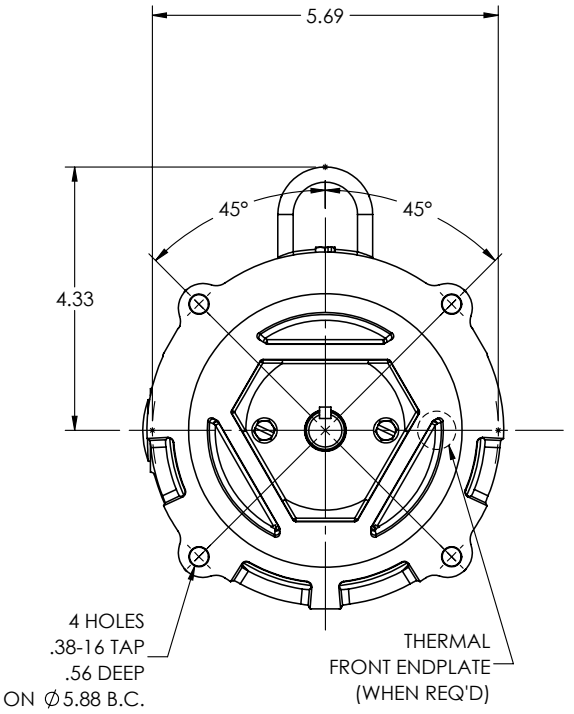
TORQUES(LB-FT): PO=3.98 PU=1.63 LR=2.45 LRA=31.2



11/18/2026 ACPERF, record # 6649

34LYF493



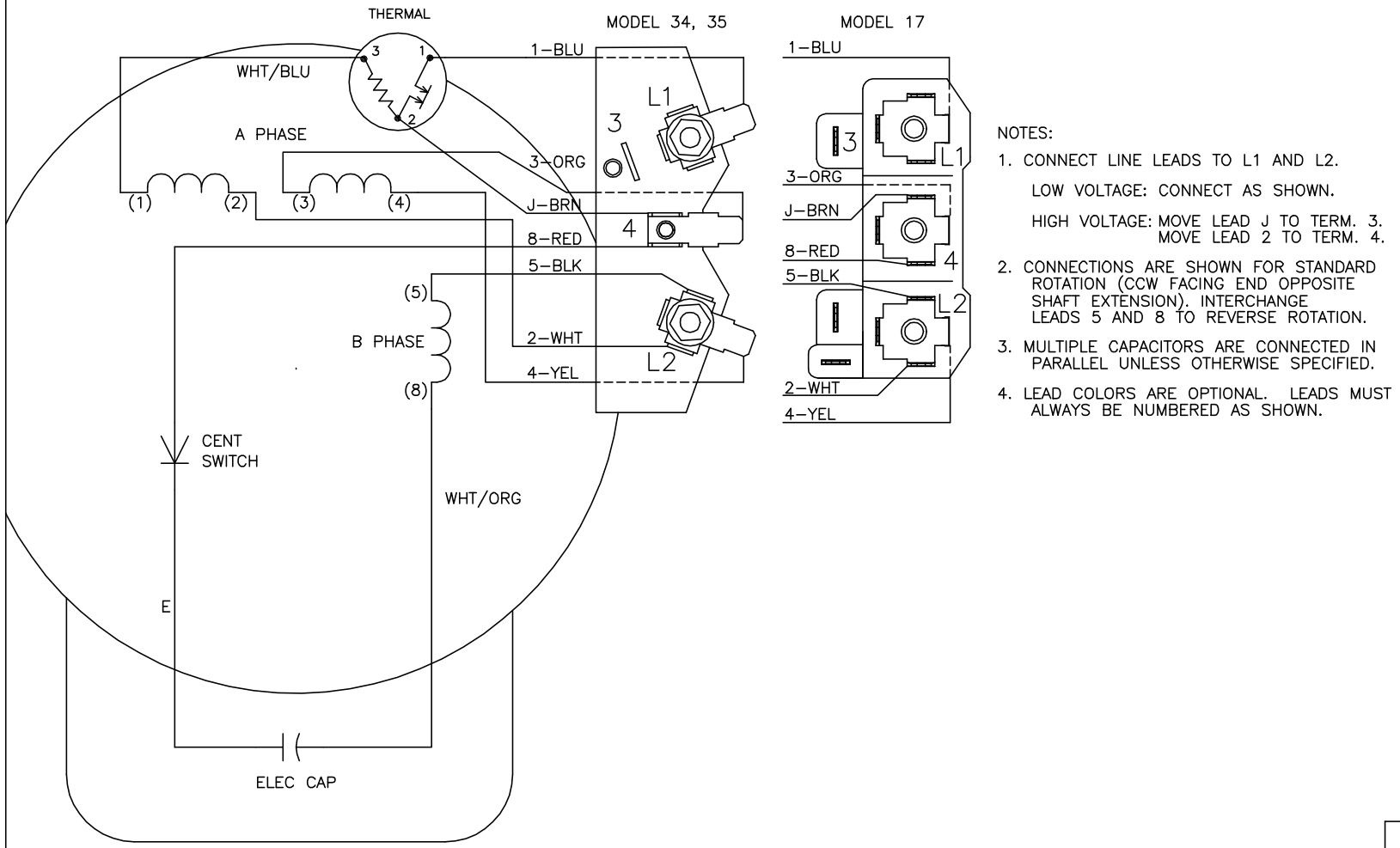


CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS - REV "-"			BALDOR - RELIANCE®
REV: A	VERSION: 01	REVISED: 01:52:39 12/29/2022	TDR: 000001201165
34LYF493	MODEL NO. 34LYF493		REF: -
	BY: ENFRAJ0		VERT 34L NEMA 56C OPEN W/DRIP COVER,TERM PLATE & ATO IN FREP

34LYF493

CD0052



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 LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0052

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: H	VERSION: 01	TDR: 000000373039	
CD0052	FILE: \AAA\00007\100	REVISED: 10:20:46 08/11/2005	TYPE L, DV, REV, THERMAL, TERMINAL PLATE
	MTL: –	BY: ENJOEP0	