Customer information packet

CJL1205A

.33HP, 3450RPM, 1PH, 60HZ, 56J, 3416L, 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	.330 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.100 A @ 230.0 V
	6.200 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	58.0 %
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	3.1 a

Part Detail

Revision	AA
Type	AC
Mech. spec.	34F040
Base	
Status	PRD/A
Elec. spec.	34WG2534
Layout	34LYF040
Eff. date	09-03-2025
CD Diagram	CD0307
Poles	02
Leads	5#18,1#16 #1TH
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	5 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3416L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.91 IN
Power Factor	61
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Ext Thread
Rodent Screen	None
Service Factor	1.75
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.	CJL1205A										
SPEC.	34F40-2534										
HP	.33										
VOLTS	115/230										
AMP	6.2/3.1										
RPM	3450										
FRAME	56J		**HZ**	60		**PH**	1				
SER.F.	1.75	**CODE**	L	**DES**	N	**CL**	B				
NEMA-NOM-EFF	58	**PF**	61								
RATING	40C AMB-CONT										
CC											
DE	6203	**ODE**	6203								
ENCL	OPEN	**SN**									
	SFA 7.6/3.8										

AC Induction Motor Performance Data
Record # 6650
Typical performance - not guaranteed values

Winding: 34WG2534-R001 **Type:** 3416L **Enclosure:** OPEN

Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)			.33	**Full Load Torque**	0.5 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			6.2/3.1	**Breakdown Torque**	1.7 LB-FT
R.P.M.			3450	**Pull-up Torque**	1.5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	1.6 LB-FT
NEMA Design Code	N	**KVA Code**	L	**Starting Current**	14.5 A
Service Factor (S.F.)			1.75	**No-load Current**	2.55 A
NEMA Nom. Eff.	58	**Power Factor**	61	**Line-line Res. @ 25ºC**	4.92 Ω A Ph 3.95 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	31°C
S.F. Amps			7.6/3.8	**Temp. Rise @ S.F. Load**	43°C

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	48	56	63	69	73	81
Efficiency	26	40.6	49.5	55.3	59.1	61.6	66.7
Speed	3561	3544	3525	3505	3484	3461	3442
Line amperes	2.6	2.75	2.9	3.05	3.3	3.55	3.8

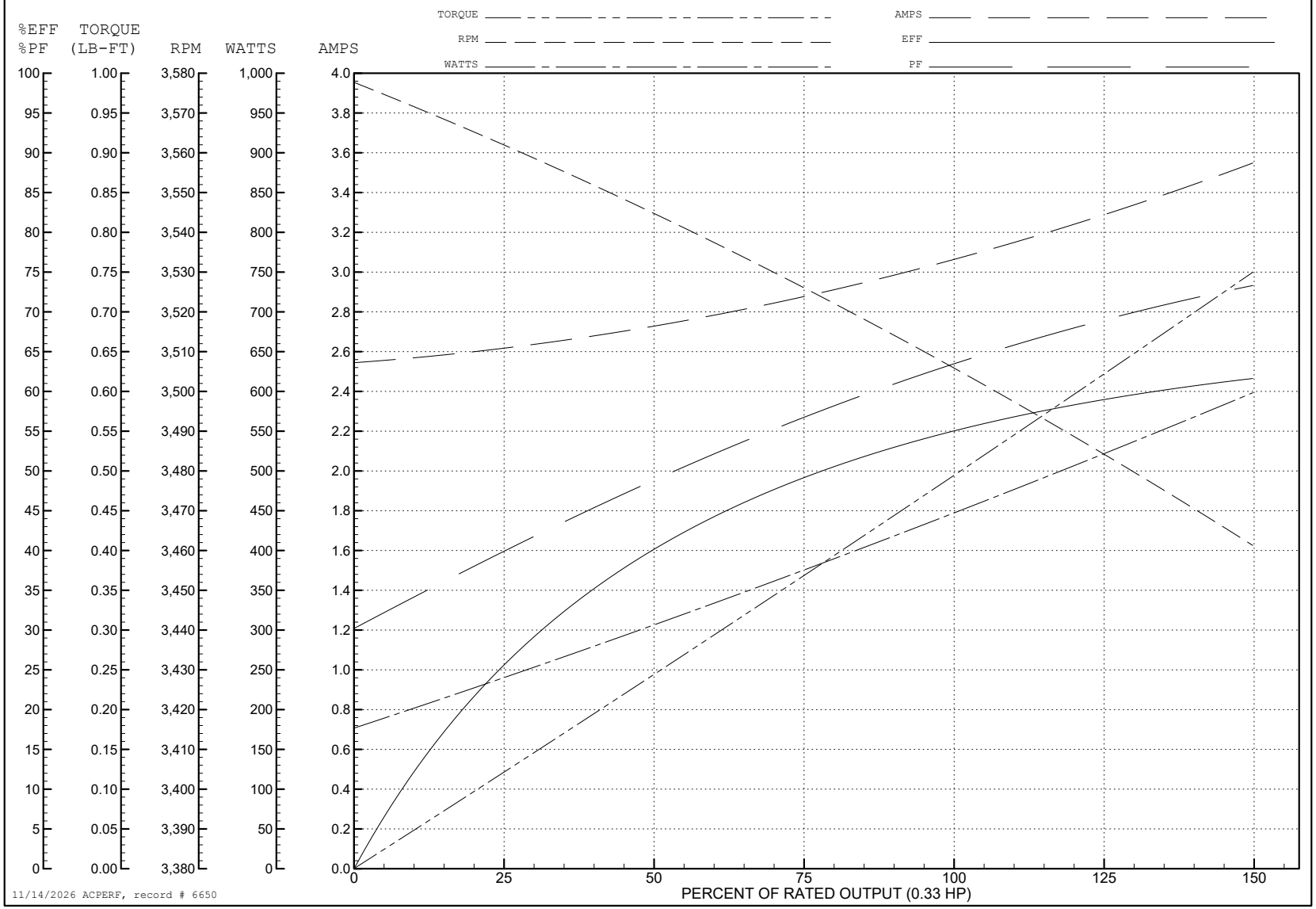
ABB Motors and Mechanical Inc.

WINDING # 34WG2534

0.33 HP 1 PH 60 HZ 3450 RPM 230 V 3416L

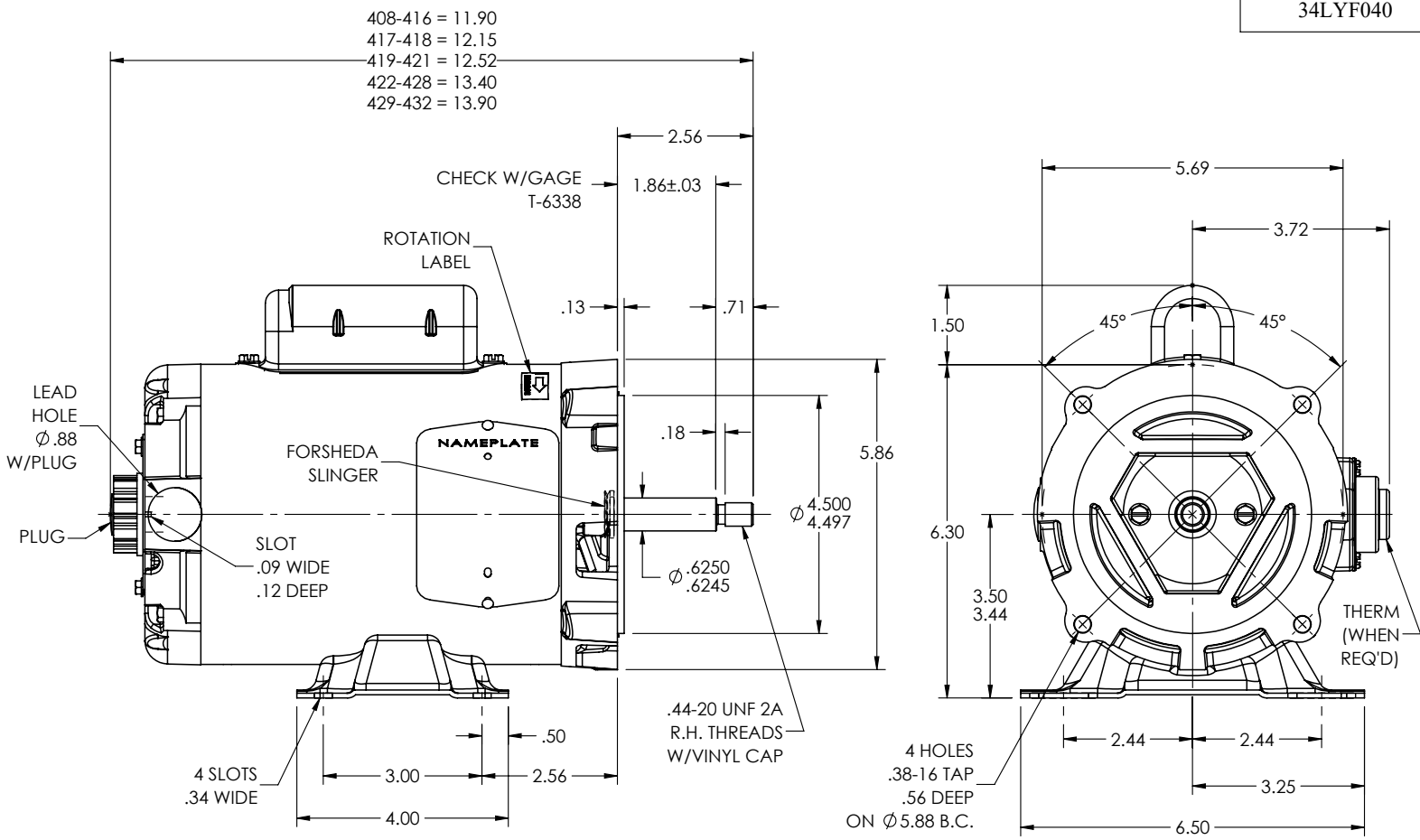
TORQUES(LB-FT): PO=1.7 PU=1.5 LR=1.6 LRA=14.5

Typical performance - not guaranteed values.



11/14/2026 ACPERF, record # 6650

34LYF040



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

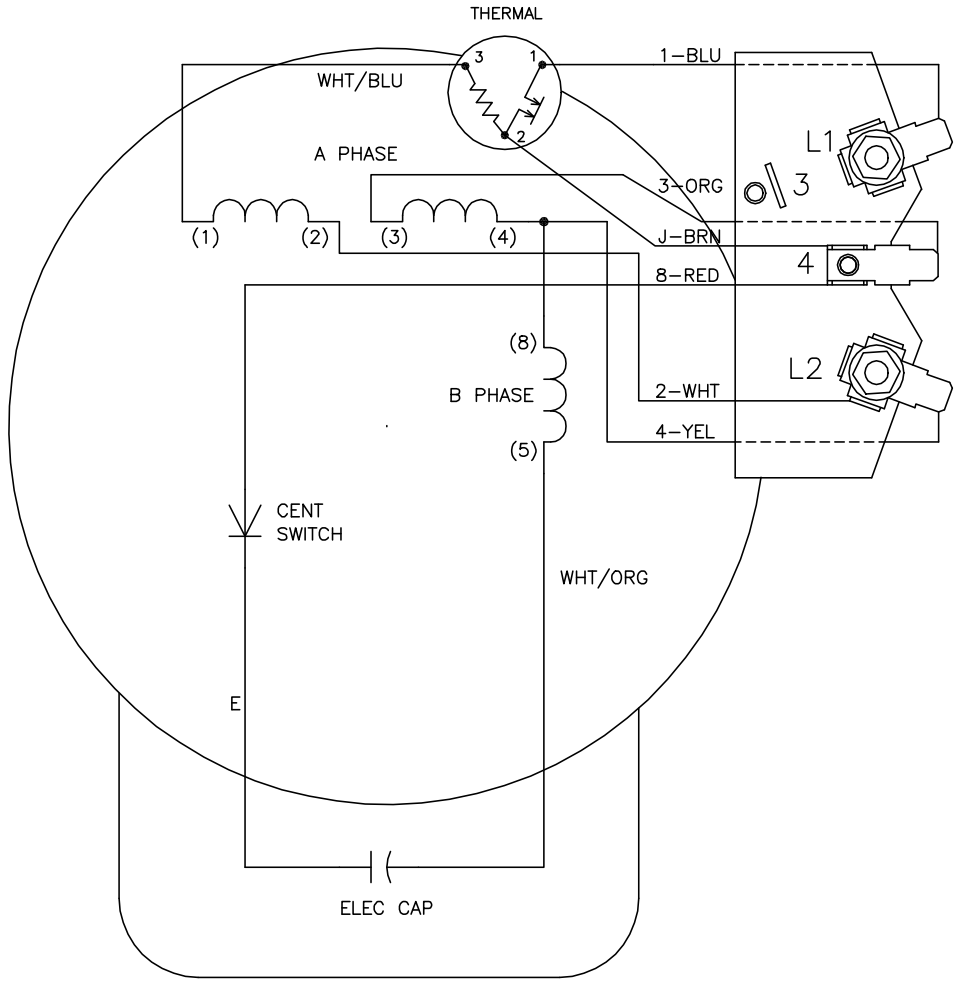
REV. DESC: UPDATE SLINGER GRAPHICS			
REV: F	VERSION: 03	REVISED: 07:58:03 01/24/2025	TDR: 000001248976
34LYF040	MODEL NO. 34LYF040		REF: -
	BY: ENJEFD0		

BALDOR - RELIANCE®

STD HORZ 34L NEMA 56J OPEN W/TERM PANEL

34LYF040

CD0307



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 OPPOSITE STANDARD ROTATION (CW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE 5 AND 8 INTERNALLY FOR 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: F	VERSION: 01	TDR: 000000373039	
CD0307	FILE: \AAA\00007\308	REVISED: 11:45:00 08/11/2005	TYPE L, DV, FIX ROT, THERMAL, TERMINAL PLATE (OPP STD)
	MTL: –	BY: ENJOEP0	

CD0307