Customer information packet

VEL11301A

.33HP, 1740RPM, 1PH, 60HZ, 56C, 3418LC, ODP, F1
Class - None
Division - Not Applicable

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11/16/2026 2:58:29 AM

Specifications

Enclosure	ODP
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, Cap Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	115.0 V @ 60 HZ
Agency Approvals	C UR US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.400 A @ 115.0 V
	2.100 A @ 208.0 V
	1.700 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	72.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	Standard
Heater Indicator	No Heater
High Voltage Full Load Amps	1.7 a

Part Detail

Revision	H
Type	AC
Mech. spec.	34L588
Base	
Status	PRD/A
Elec. spec.	34WGR213
Layout	34LYL588
Eff. date	10-29-2024
CD Diagram	CD0703
Poles	04
Leads	7#18
Proprietary	False
Created date	02-13-2015

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3418LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.00 IN
Power Factor	85
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.35
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1740 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.	VEL11301A								
SPEC.	34L588R213G1								
HP	.33								
VOLTS	115/230								
AMP	3.4/1.7								
RPM	1740								
FRAME	56C		**HZ**	60		**PH**	1		
SER.F.	1.35	**CODE**	K	**DES**	N	**CL**	F		
NEMA-NOM-EFF	72.4	**PF**	85						
RATING	40C AMB-CONT								
CC									
DE	6203	**ODE**	6203						
ENCL	ODP	**SN**							
	SFA 4.4/2.2								

AC Induction Motor Performance Data
Record # 62087
Typical performance - not guaranteed values

Winding: 34WGR213-R005	**Type:** 3418LC	**Enclosure:** OPEN

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			.33	**Full Load Torque**	0.996 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			3.4/1.7	**Breakdown Torque**	3.18 LB-FT
R.P.M.			1740	**Pull-up Torque**	2.29 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	4.26 LB-FT
NEMA Design Code	N	**KVA Code**	K	**Starting Current**	24.1 A
Service Factor (S.F.)			1.35	**No-load Current**	1.69 A
NEMA Nom. Eff.	72.4	**Power Factor**	85	**Line-line Res. @ 25ºC**	1.7428 Ω A Ph 5.5858 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	35°C
S.F. Amps			4.4/2.2	**Temp. Rise @ S.F. Load**	42°C

Load Characteristics 115 V, 60 Hz, 0.33 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	72	81	85	87	89	88
Efficiency	32.1	64.5	69.3	73.5	76.7	73.7	75.5
Speed	1780.3	1770	1754.7	1739.9	1725.3	1703.3	1716
Line amperes	1.96	2.31	2.87	3.43	3.99	4.81	4.32

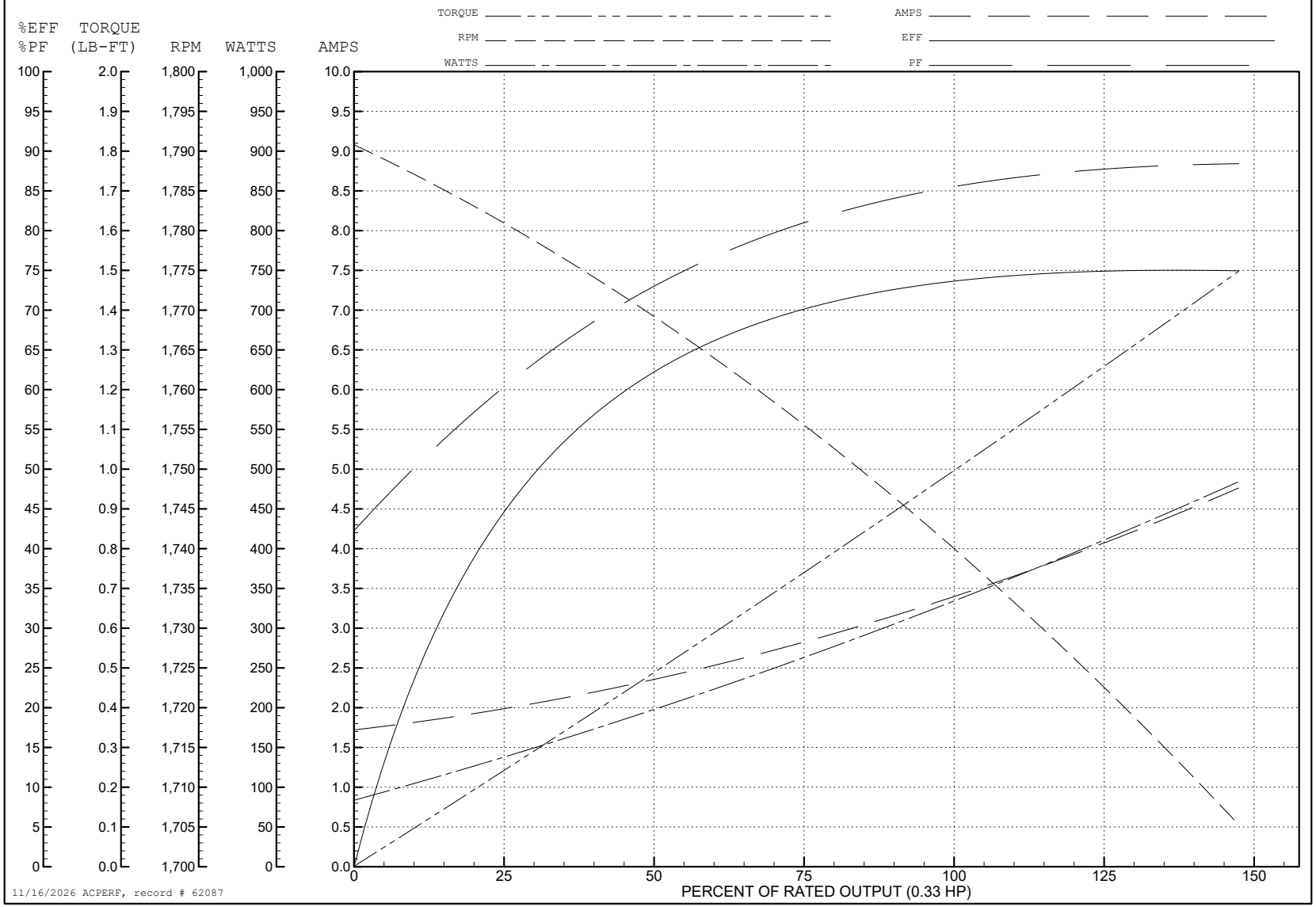
ABB Motors and Mechanical Inc.

WINDING # 34WGR213

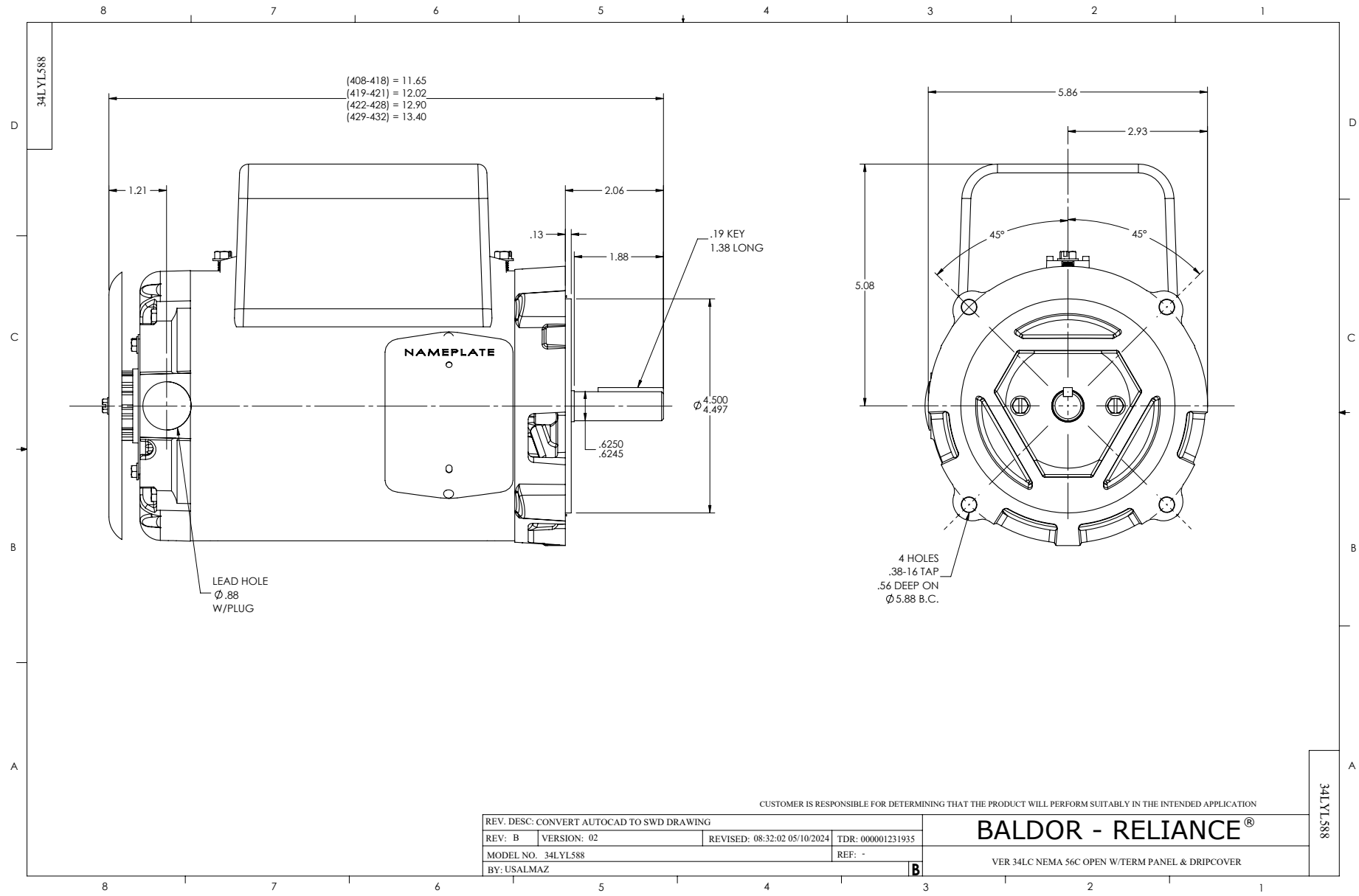
0.33 HP 1 PH 60 HZ 1740 RPM 115 V 3418LC

Typical performance - not guaranteed values.

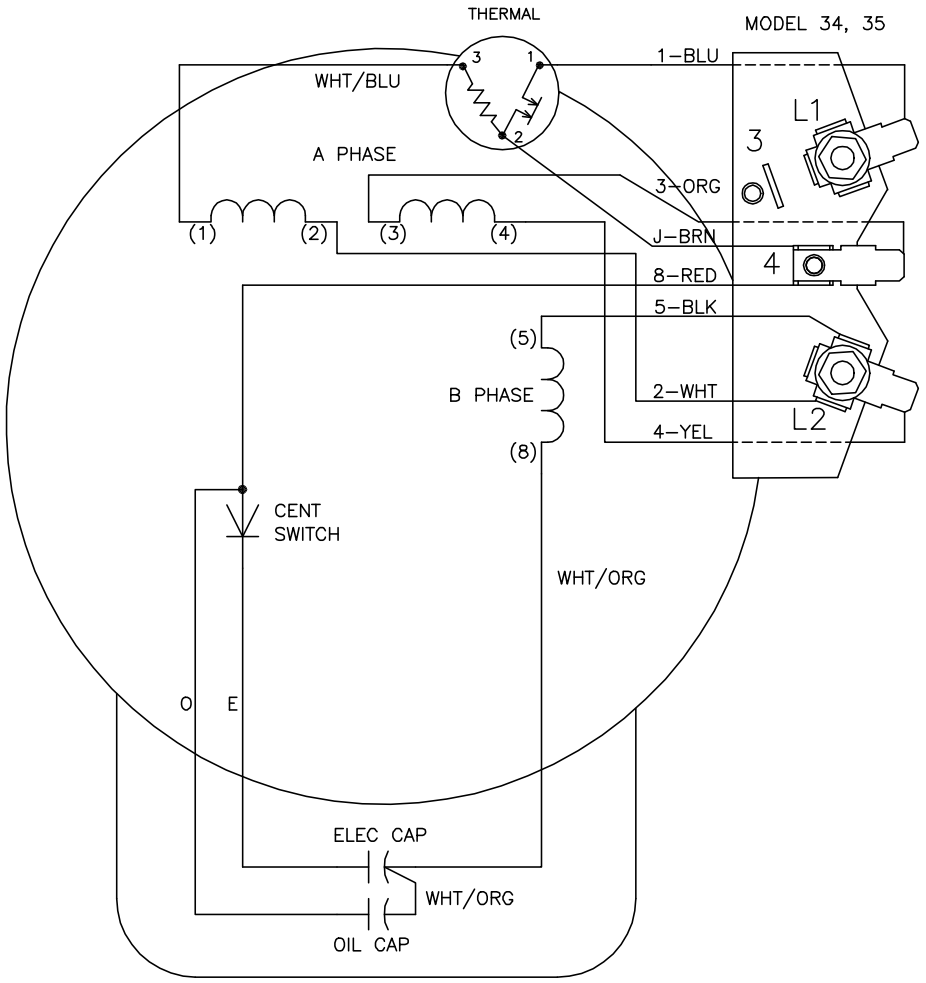
TORQUES(LB-FT): PO=3.18 PU=2.29 LR=4.26 LRA=24.1



11/16/2026 ACPERF, record # 62087


34LYL588
(408-418) = 11.65
(419-421) = 12.02
(422-428) = 12.90
(429-432) = 13.40
1.21
2.06
.13
1.88
.19 KEY
1.38 LONG
NAMEPLATE
Ø 4.500
4.497
.6250
.6245
LEAD HOLE
Ø .88
W/PLUG
5.86
2.93
45°
45°
5.08
4 HOLES
.38-16 TAP
.56 DEEP ON
Ø 5.88 B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD TO SWD DRAWING
REV: B
VERSION: 02
REVISED: 08:32:02 05/10/2024
TDR: 000001231935
MODEL NO. 34LYL588
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
VER 34LC NEMA 56C OPEN W/TERM PANEL & DRIPCOVER
34LYL588

CD0703



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.

CD0703

REV. DESC: REMOVE MODEL 17 CONNECTION		
REV. LTR: G	VERSION: 02	TDR: 000001218314
FILE: \AAA\00007\140	REVISED: 08:28:11 10/11/2023	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

TYPE LC, DV, REV, THERMAL, TERMINAL PLATE

SH 1 of 1