Customer information packet

VEL11306

.75HP, 3450RPM, 1PH, 60HZ, 56C, 3428LC, OPEN, F
Class - None
Division - Not Applicable

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9/7/2026 10:38:40 AM

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, Cap 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	CURUSEEV
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	3.300 A @ 230.0 V
	4.700 A @ 208.0 V
	6.300 A @ 115.0 V
Design Code	N
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	76.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.3 a

Part Detail

Revision	K
Type	AC
Mech. spec.	34M524
Base	
Status	PRD/A
Elec. spec.	34WGS943
Layout	34LYM524
Eff. date	10-29-2024
CD Diagram	CD0055
Poles	02
Leads	6#18
Proprietary	False
Created date	09-25-2014

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3428LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.04 IN
Power Factor	95
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	1.25
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	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	None
Winding Thermal 2	None

Nameplate

NP3155L									
CAT.NO.	VEL11306								
SPEC.	34M524S943G1								
HP	.75								
VOLTS	115/230								
AMP	6.3/3.3								
RPM	3450								
FRAME	56C		**HZ**	60			**PH**	1	
SER.F.	1.25	**CODE**	J	**DES**	N	**CL**	B		
F.L. AVG. EFF.	76.2	**PF**	95						
RATING	40C AMB-CONT								
CC									
DE	6203		**ODE**	6203					
ENCL	OPEN	**SN**							
	SFA 8.4/4.2								

AC Induction Motor Performance Data
Record # 47427
Typical performance - not guaranteed values

Winding: 34WGS943-R002	**Type:** 3428LC	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	1.14 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			6.3/3.3	**Breakdown Torque**	3.88 LB-FT
R.P.M.			3450	**Pull-up Torque**	2.07 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	3.92 LB-FT
NEMA Design Code	N	**KVA Code**	J	**Starting Current**	24.8 A
Service Factor (S.F.)			1.25	**No-load Current**	0.961 A
NEMA Nom. Eff.	76.2	**Power Factor**	95	**Line-line Res. @ 25ºC**	2.4012 Ω A Ph 2.118 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	12°C
S.F. Amps			8.4/4.2	**Temp. Rise @ S.F. Load**	16°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	77	89	93	95	95	95	95
Efficiency	62.6	74.2	78.2	77.5	76.1	74.7	76.1
Speed	3567.6	3537.1	3504.2	3465	3419.8	3372.1	3420
Line amperes	1.23	1.84	2.51	3.32	4.21	5.14	4.21

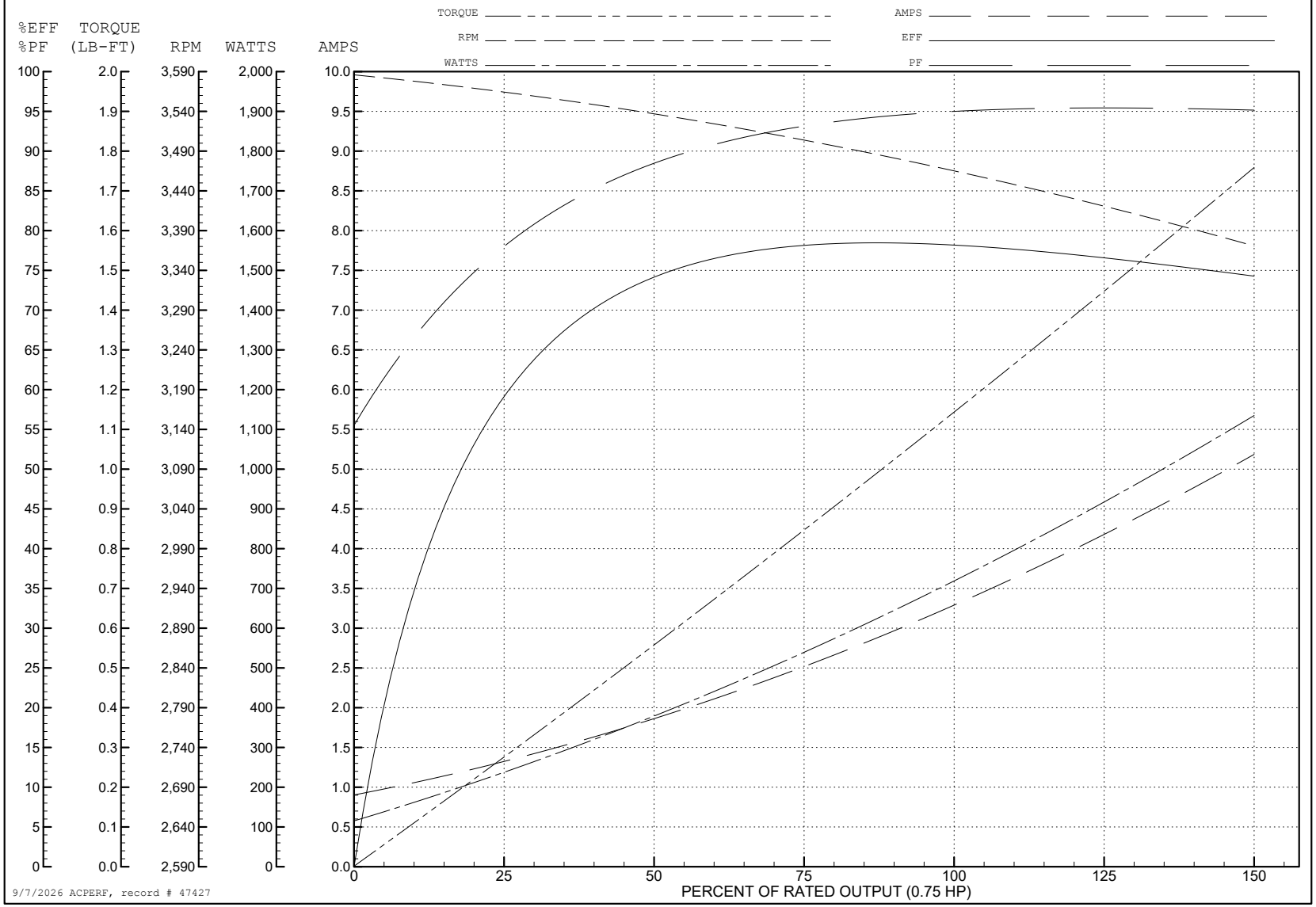
ABB Motors and Mechanical Inc.

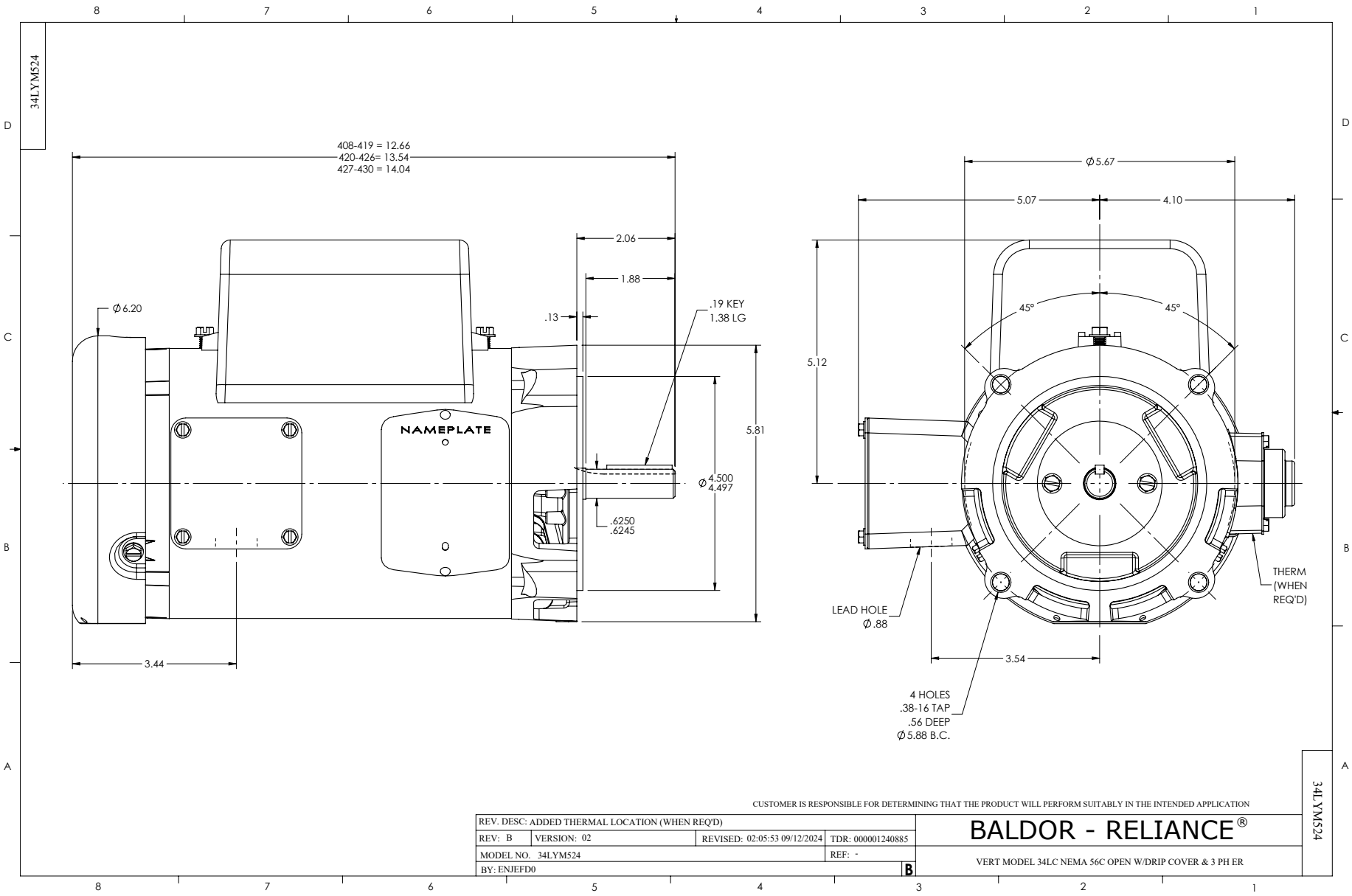
WINDING # 34WGS943

0.75 HP 1 PH 60 HZ 3450 RPM 230 V 3428LC

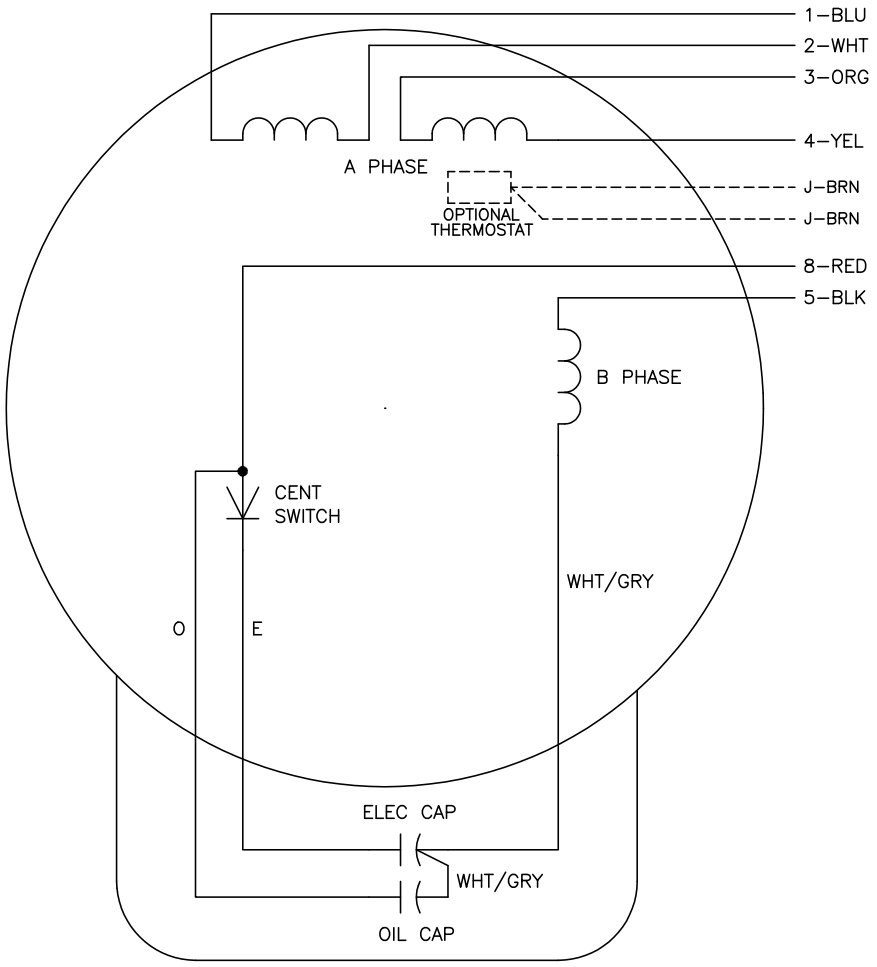
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=3.88 PU=2.07 LR=3.92 LRA=24.8




34LYM524
408-419 = 12.66
420-426= 13.54
427-430 = 14.04
2.06
1.88
.13
.19 KEY
1.38 LG
Ø6.20
NAMEPLATE
5.81
Ø4.500
4.497
.6250
.6245
3.44
Ø5.67
5.07
4.10
45°
45°
5.12
LEAD HOLE
Ø.88
THERM
(WHEN
REQ'D)
3.54
4 HOLES
.38-16 TAP
.56 DEEP
Ø5.88 B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADDED THERMAL LOCATION (WHEN REQ'D)
REV: B
VERSION: 02
REVISED: 02:05:53 09/12/2024
TDR: 000001240885
MODEL NO. 34LYM524
REF: -
BY: ENJEFD0
B
BALDOR - RELIANCE®
VERT MODEL 34LC NEMA 56C OPEN W/DRIP COVER & 3 PH ER
34LYM524

CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
CD0055		FILE: AAA00007414	MDL: –
		MTL: –	TYPE LC, DV, REV, 6 LEADS