ABB BALDOR RELIANCE

Customer information packet

L1322T

2HP, 1735RPM, 1PH, 60HZ, 145T, 3538LC, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	145T
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	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	208.0 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	9.200 A @ 208.0 V
	8.500 A @ 230.0 V
	19.500 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.5 a

Part Detail

Revision	E
Type	AC
Mech. spec.	35EE002
Base	
Status	PRD/A
Elec. spec.	35WGG469
Layout	35LYEE002
Eff. date	12-02-2025
CD Diagram	CD0016A01
Poles	04
Leads	4#16 A PH,3#18 B PH Y
Proprietary	False
Created date	02-23-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3538LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.38 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1735 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

NP1256L									
CAT.NO.	L1322T								
SPEC.	35EE002G469								
HP	2								
VOLTS	115/208-230								
AMP	19.5/9.2-8.5								
RPM	1735								
FRAME	145T	**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	G	**DES**	L	**CLASS**	F		
NEMA-NOM-EFF	78.5	**PF**	98						
RATING	40C AMB-CONT								
CC									
DE	6205	**ODE**	6203						
ENCL	OPEN	**SN**							
	SFA 20.4/11.2-10.2								

Accessories

Part number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	

AC Induction Motor Performance Data
Record # 104654
Typical performance - not guaranteed values

Winding: 35WGG469-R004	**Type:** 3538LC	**Enclosure:** OPEN

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	5.98 LB-FT
Volts			115/208-230	**Start Configuration**	direct on line
Full Load Amps			18.2/9.2-8.2	**Breakdown Torque**	15.4 LB-FT
R.P.M.			1735	**Pull-up Torque**	14.1 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	16.1 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	126 A
Service Factor (S.F.)			1.15	**No-load Current**	7.98 A
NEMA Nom. Eff.	78.5	**Power Factor**	98	**Line-line Res. @ 25ºC**	0.357 Ω A Ph 0.894 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	48°C
S.F. Amps			20.4/11.2-10.2	**Temp. Rise @ S.F. Load**	58°C
				Locked-rotor Power Factor	92.1
				Rotor inertia	0.275 lb-ft²

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	58	77	88	93	95	99	94
Efficiency	65.8	79.8	81.6	81.1	79.1	77.6	79.9
Speed	1783	1769	1754	1734	1713	1704	1721
Line amperes	8.68	10.7	13.51	18.2	21.05	22.84	19.9

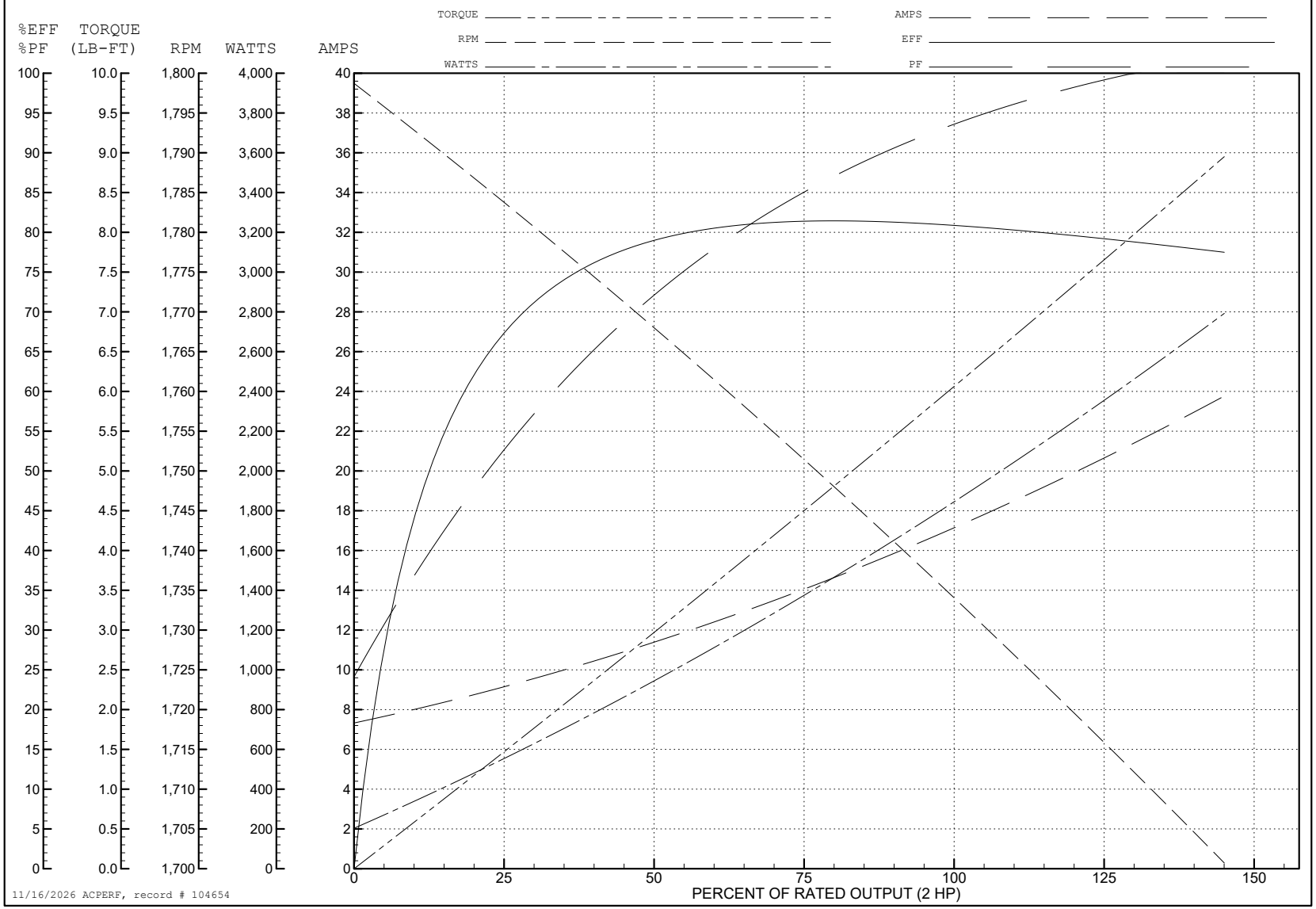
ABB Motors and Mechanical Inc.

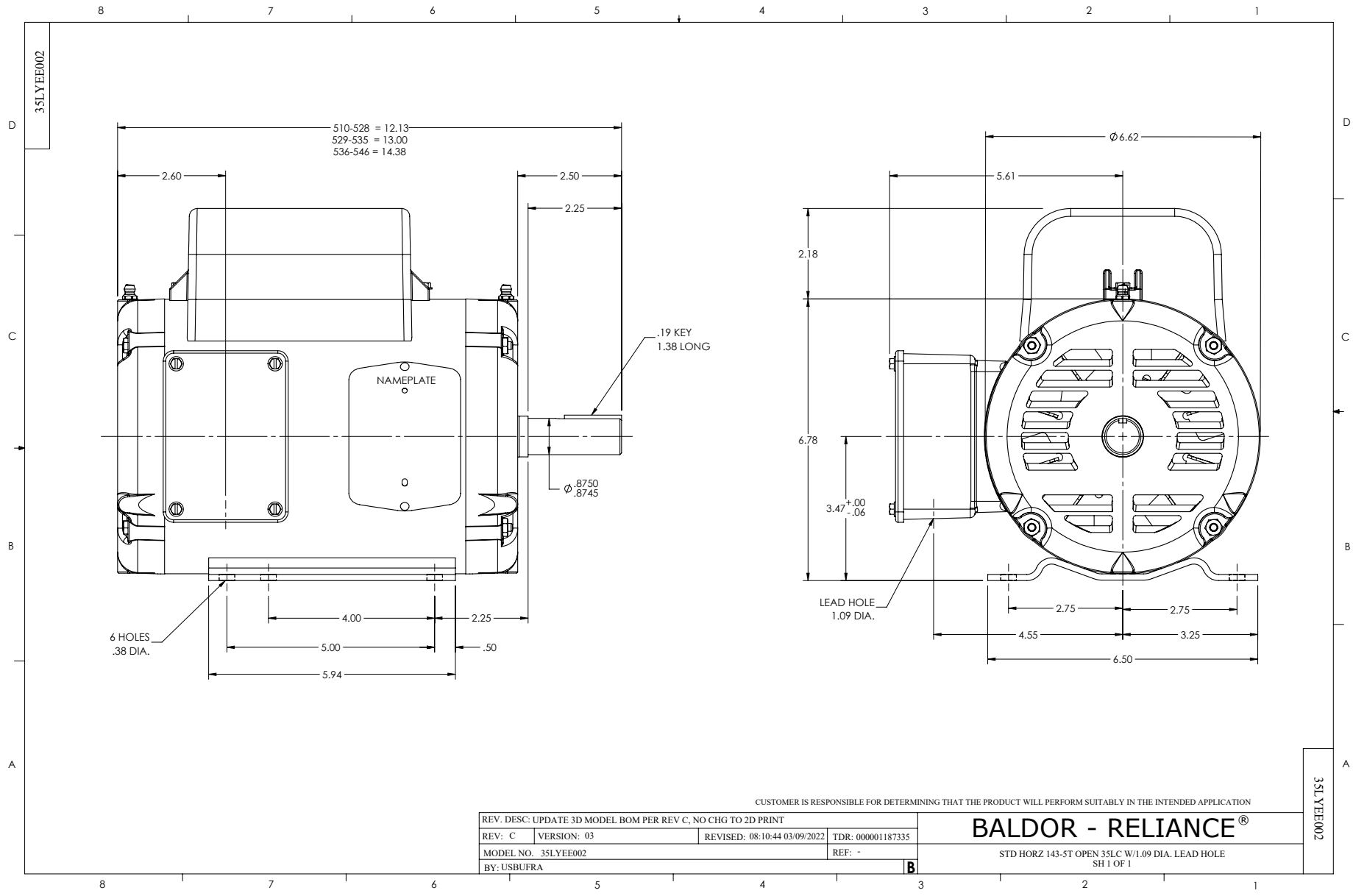
WINDING # 35WGG469

2 HP 1 PH 60 HZ 1735 RPM 115 V 3538LC

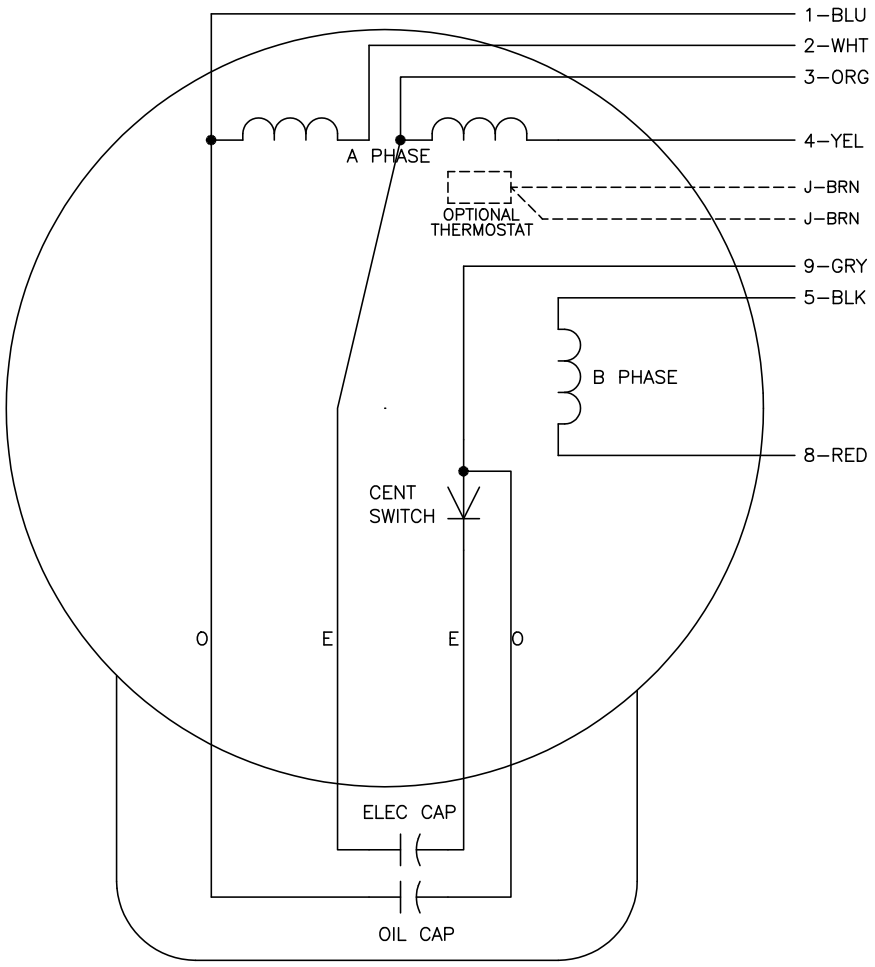
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=15.4 PU=14.1 LR=16.1 LRA=126




35LYEE002
510-528 = 12.13
529-535 = 13.00
536-546 = 14.38
2.60
2.50
2.25
.19 KEY
1.38 LONG
NAMEPLATE
Ø.8750
Ø.8745
6 HOLES
.38 DIA.
4.00
2.25
5.00
.50
5.94
Ø6.62
5.61
2.18
6.78
3.47 +.00 -.06
LEAD HOLE
1.09 DIA.
2.75
2.75
4.55
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV C, NO CHG TO 2D PRINT
REV: C
VERSION: 03
REVISED: 08:10:44 03/09/2022
TDR: 000001187335
MODEL NO. 35LYEE002
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 143-5T OPEN 35LC W/1.09 DIA. LEAD HOLE
SH 1 OF 1
35LYEE002

CD0016A01



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4,5	2,3	8,9
HIGH OPP	1	4,8	2,3	5,9
LOW STD	1,3	2,4,5	8,9	–
LOW OPP	1,3	2,4,8	5,9	–

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.

CD0016A01

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 04/09/99 1:19	TDR: 0178636
CD0016A01		FILE: AAA00007410	MDL: –
		MTL: –	TYPE LC, DV, REV, OIL CAP ACR. LINE, 7 LEADS