ABB BALDOR RELIANCE

Customer information packet

L1319-50

1.5/1.1KWHP, 1450RPM, 1PH, 50HZ, 56, 3540LC, O
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.500 HP @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	110.0 V @ 50 HZ
	220.0 V @ 50 HZ
Agency Approvals	C UR US
	CE
	CURUS
	UKCA
	WEEE
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	6.400 A @ 220.0 V
	12.800 A @ 110.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	-
Type	AC
Mech. spec.	35M497
Base	
Status	PRD/A
Elec. spec.	35WGF523
Layout	35LYM497
Eff. date	04-20-2026
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	04-20-2026

Heater Indicator	No Heater
High Voltage Full Load Amps	6.4 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Finish	CLEAR COAT
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3540LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.32 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1450 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

NP1372L								
CAT.NO.	L1319-50							
SPEC.	35M497F523							
HP	1.5/1.1KW							
VOLTS	110/220							
AMP	12.8/6.4							
R.P.M. (1/MIN)	1450							
FRAME	56	**HZ**	50			**PH**	1	
SER.F.	1.00	**CODE**	K	**DES**	-	**CL**	F	
NEMA-NOM-EFF	81.4	**PF**	96					
RATING	40C AMB-S1 CONT							
CC			IP22 IC01 27KG					
DE	6205		**ODE**	6203				
ENCL	OPEN	**SN**						
	IE2 81.8(75%) 78.4(50%)							

Accessories

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

AC Induction Motor Performance Data
Record # 116200
Typical performance - not guaranteed values

Winding: 35WGF523-R001	**Type:** 3540LC	**Enclosure:** OPEN

Nameplate Data			
Rated Output (KW)			1.1
Volts			110/220
Full Load Amps			12.8/6.4
R.P.M.			1450
Hz	50	**Phase**	1
NEMA Design Code	-	**KVA Code**	K
Service Factor (S.F.)			1
NEMA Nom. Eff.	81.4	**Power Factor**	96
Rating - Duty			40C AMB-CONT

110 V, 50 Hz: Low Voltage Connection	
Full Load Torque	5.37 LB-FT
Start Configuration	direct on line
Breakdown Torque	14.1 LB-FT
Pull-up Torque	14.2 LB-FT
Locked-rotor Torque	18 LB-FT
Starting Current	120 A
No-load Current	4.05 A
Line-line Res. @ 25ºC	0.464 Ω A Ph 1.44 Ω B Ph
Temp. Rise @ Rated Load	58°C
Locked-rotor Power Factor	90.5
Rotor inertia	0.29 lb-ft²

Load Characteristics 110 V, 50 Hz, 1.1 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	85	93	95	96	96	96
Efficiency	64.1	78.4	81.8	82.2	80.3	77
Speed	1487	1477	1466	1452	1436	1415
Line amperes	4.65	6.87	9.74	12.81	16.32	20.47

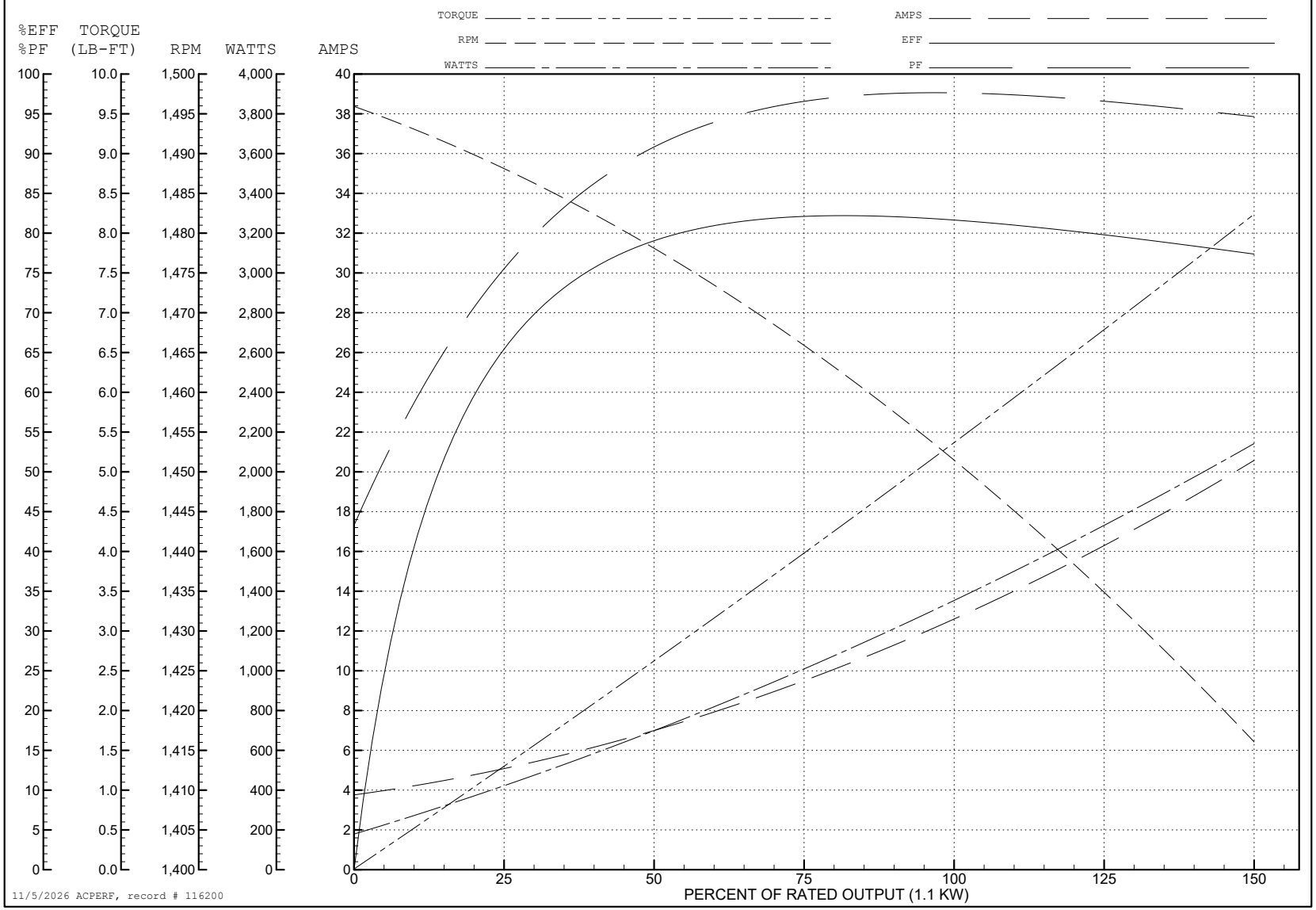
ABB Motors and Mechanical Inc.

WINDING # 35WGF523

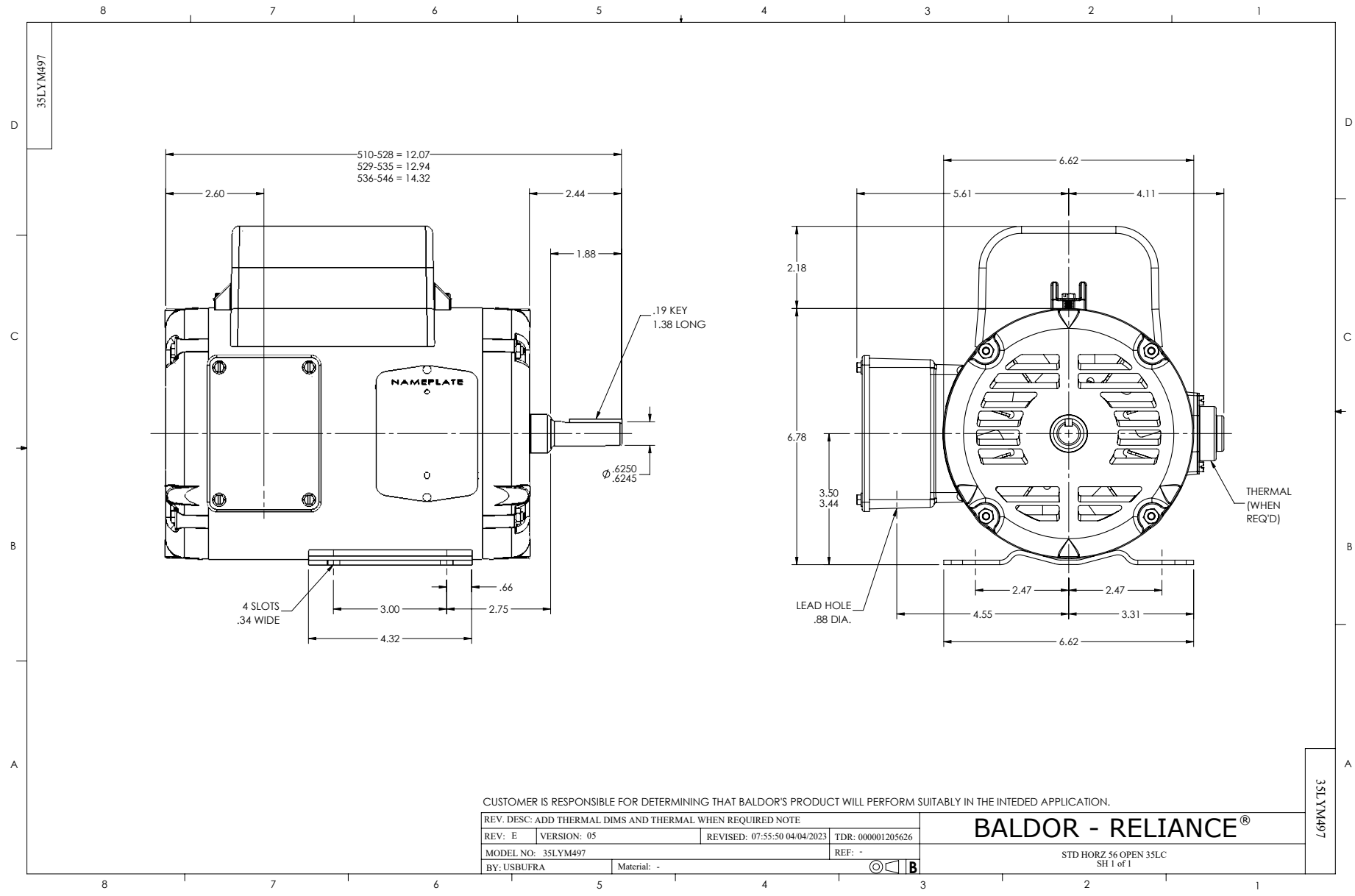
1.1 KW 1 PH 50 HZ 1450 RPM 110 V 3540LC

Typical performance - not guaranteed values.

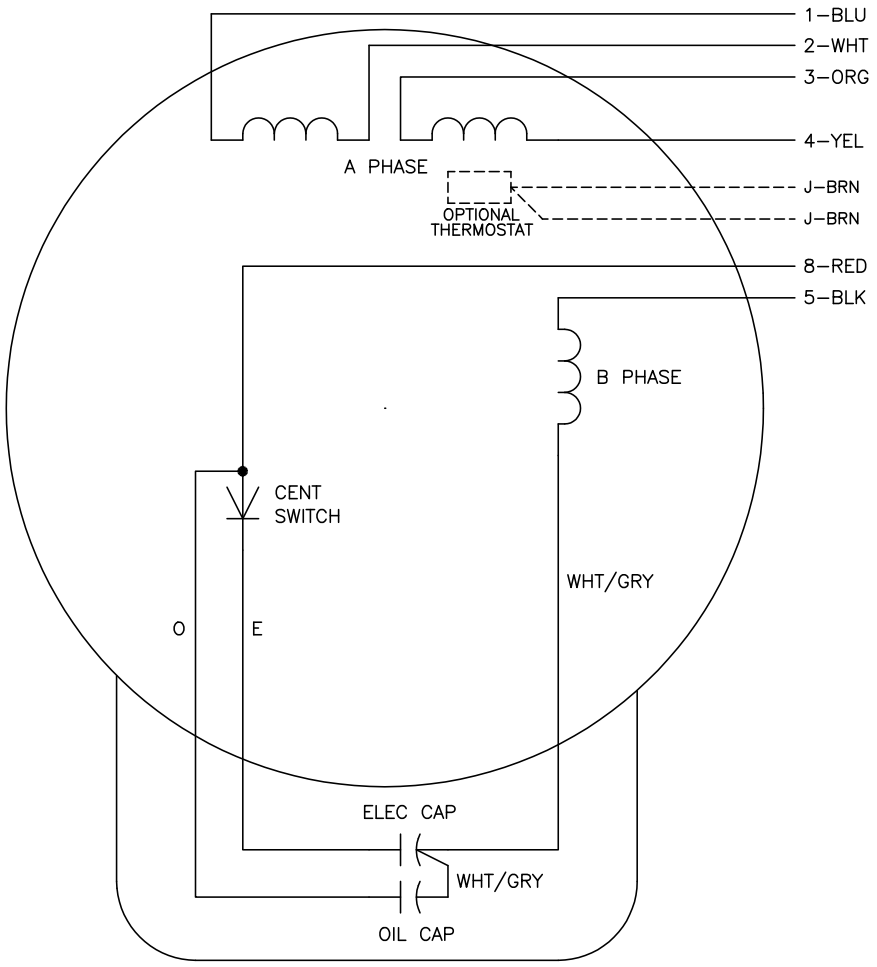
TORQUES(LB-FT): PO=14.1 PU=14.2 LR=18 LRA=120



11/5/2026 ACPERF, record # 116200


35LYM497
510-528 = 12.07
529-535 = 12.94
536-546 = 14.32
2.60
2.44
1.88
.19 KEY
1.38 LONG
NAMEPLATE
Ø .6250
.6245
4 SLOTS
.34 WIDE
.66
3.00
2.75
4.32
6.62
5.61
4.11
2.18
6.78
3.50
3.44
THERMAL
(WHEN
REQ'D)
LEAD HOLE
.88 DIA.
2.47
2.47
4.55
3.31
6.62
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTEDED APPLICATION.
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: E
VERSION: 05
REVISED: 07:55:50 04/04/2023
TDR: 000001205626
MODEL NO: 35LYM497
REF: -
BY: USBUFRA
Material: -
B
BALDOR - RELIANCE®
STD HORZ 56 OPEN 35LC
SH 1 of 1
35LYM497

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