

ABB BALDOR RELIANCE III

Customer information packet

L1319-50

1.5/1.1KWHP, 1450RPM, 1PH, 50HZ, 56, 3540LC, O

Class - None

Division - Not Applicable

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				110 V, 50 Hz: Low Voltage Connection			
Rated Output (KW)		1.1		Full Load Torque		5.37 LB-FT	
Volts		110/220		Start Configuration		direct on line	
Full Load Amps		12.8/6.4		Breakdown Torque		14.1 LB-FT	
R.P.M.		1450		Pull-up Torque		14.2 LB-FT	
Hz	50	Phase	1	Locked-rotor Torque		18 LB-FT	
NEMA Design Code		- KVA Code		Starting Current		120 A	
Service Factor (S.F.)		1		No-load Current		4.05 A	
NEMA Nom. Eff.		81.4	Power Factor	96	Line-line Res. @ 25°C		0.464 Ω A Ph 1.44 Ω B Ph
Rating - Duty		40C AMB-CONT		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

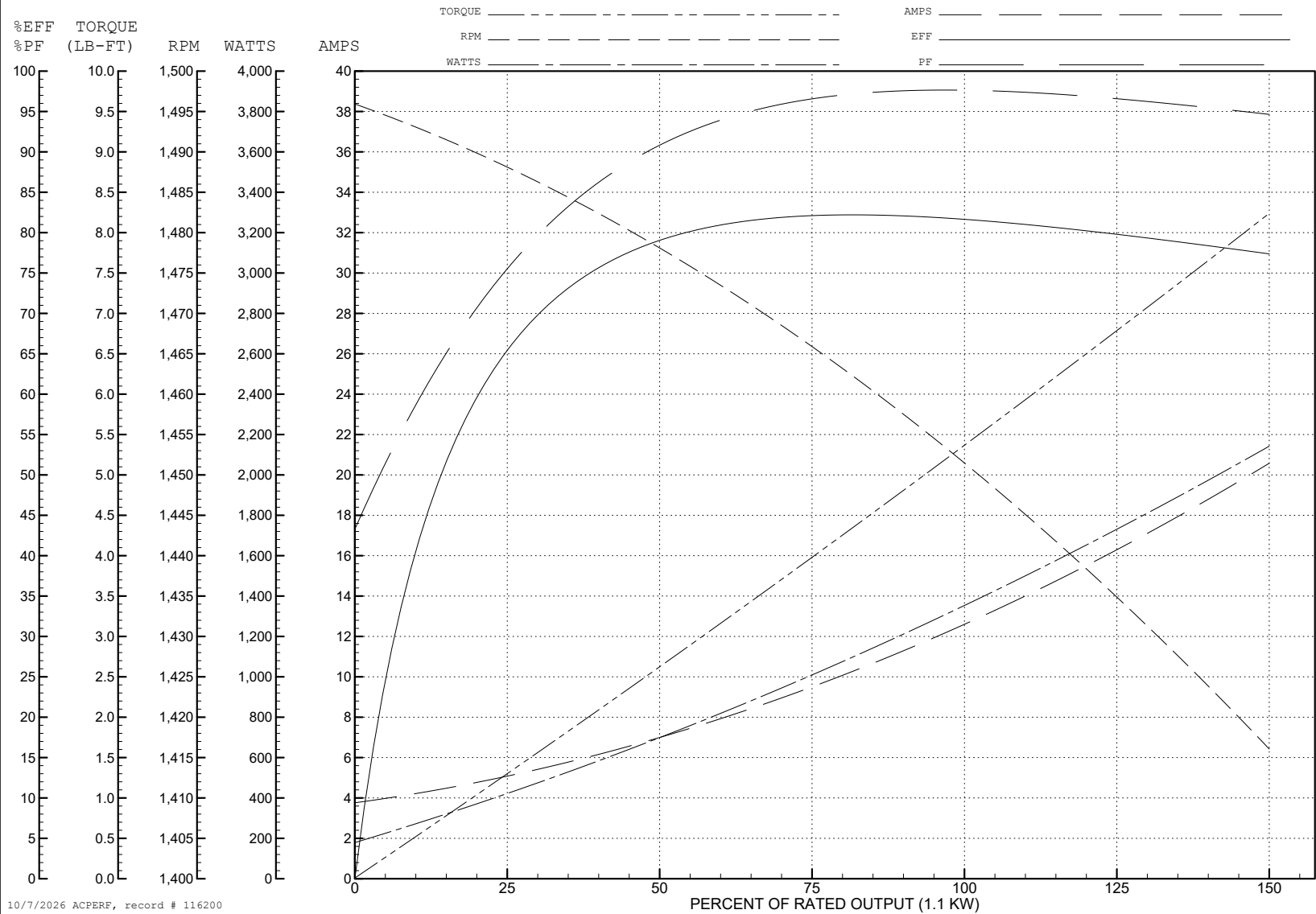
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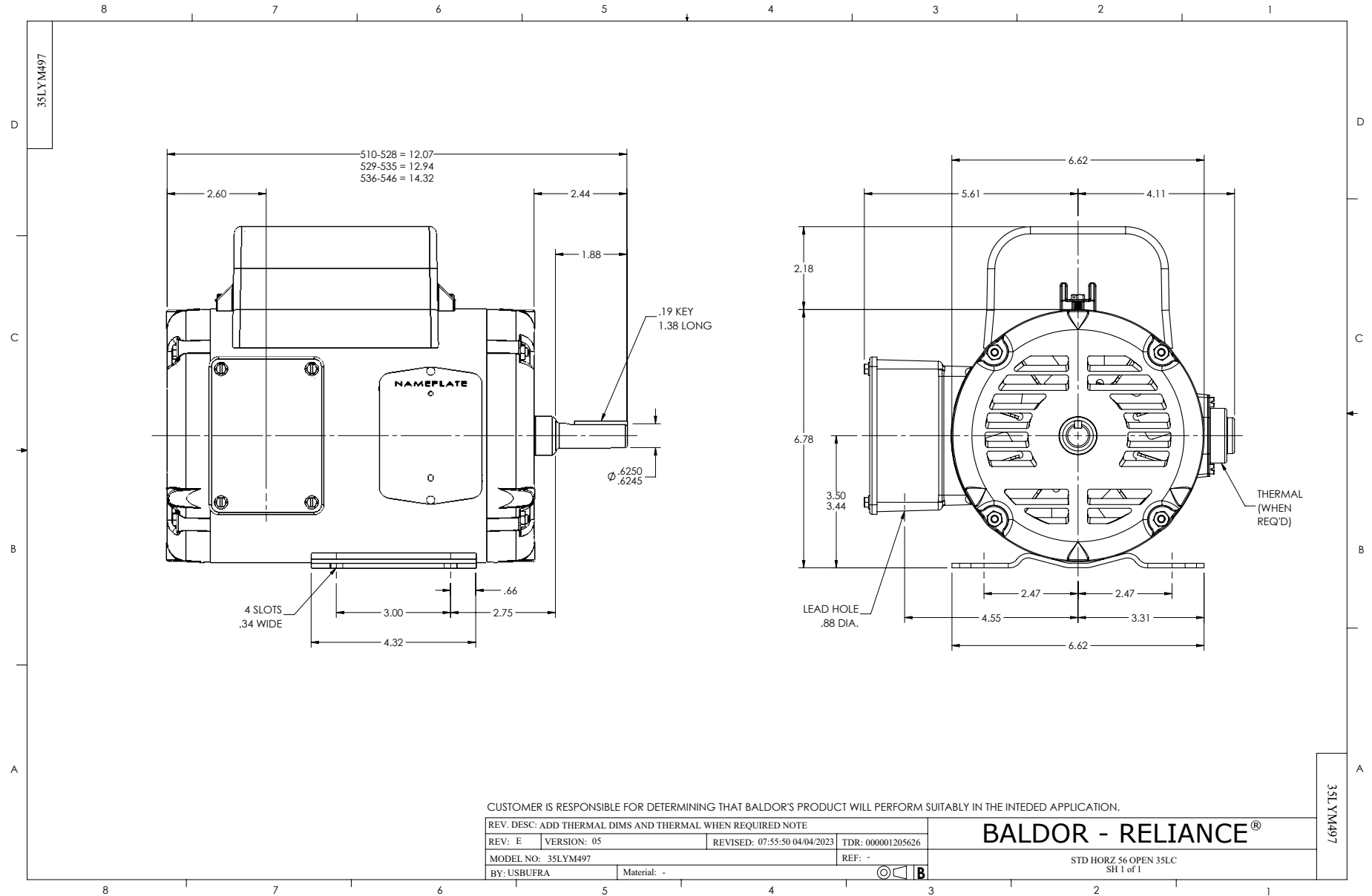
WINDING # 35WGF523

Typical performance - not guaranteed values.

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

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





CD0055

