

ABB BALDOR RELIANCE III

Customer information packet

L1318-50

1/.75KW, 1460RPM, 1PH, 50HZ, 56, 3532LC, OPEN

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	.750 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ 110.0 V @ 50 HZ
Agency Approvals	CE CURUS UKCA WEEE 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	4.600 A @ 220.0 V 9.200 A @ 110.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	79.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	F
Type	AC
Mech. spec.	35M497
Base	
Status	PRD/A
Elec. spec.	35WGG769
Layout	35LYM497
Eff. date	02-13-2025
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	05-19-2023

Heater Indicator	No Heater
High Voltage Full Load Amps	4.6 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE
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	3532LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.94 IN
Power Factor	93
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1460 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.	L1318-50								
SPEC.	35M497G769								
HP	1/.75KW								
VOLTS	110/220								
AMP	9.2/4.6								
R.P.M. (1/MIN)	1460								
FRAME	56		HZ	50			PH	1	
SER.F.	1.00	CODE	K	DES	-	CL	F		
NEMA-NOM-EFF	79.6	PF	93						
RATING	40C AMB-S1 CONT								
CC			IP22 KG23 IC01						
DE	6205		ODE	6203					
ENCL	OPEN	SN							

Accessories

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

AC Induction Motor Performance Data

Record # 101570

Typical performance - not guaranteed values

Winding: 35WGG769-R001			Type: 3532LC		Enclosure: OPEN	
Nameplate Data				220 V, 50 Hz: High Voltage Connection		
Rated Output (KW)		.75		Full Load Torque		3.599 LB-FT
Volts		110/220		Start Configuration		direct on line
Full Load Amps		9.2/4.6		Breakdown Torque		9.34 LB-FT
R.P.M.		1460		Pull-up Torque		6.87 LB-FT
Hz		50 Phase		Locked-rotor Torque		10.4 LB-FT
NEMA Design Code		- KVA Code		Starting Current		38.1 A
Service Factor (S.F.)		1		No-load Current		1.69 A
NEMA Nom. Eff.		79.6 Power Factor		Line-line Res. @ 25°C		2.936 Ω A Ph 1.6806 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		42°C

Load Characteristics 220 V, 50 Hz, 0.75 KW

% of Rated Load	25	50	75	100	125	150
Power Factor	68	83	90	93	94	95
Efficiency	62.5	76.3	80.6	81.2	79.9	77
Speed	1489.6	1480.7	1471.1	1460.2	1447.2	1430.2
Line amperes	1.99	2.68	3.52	4.51	5.65	6.99

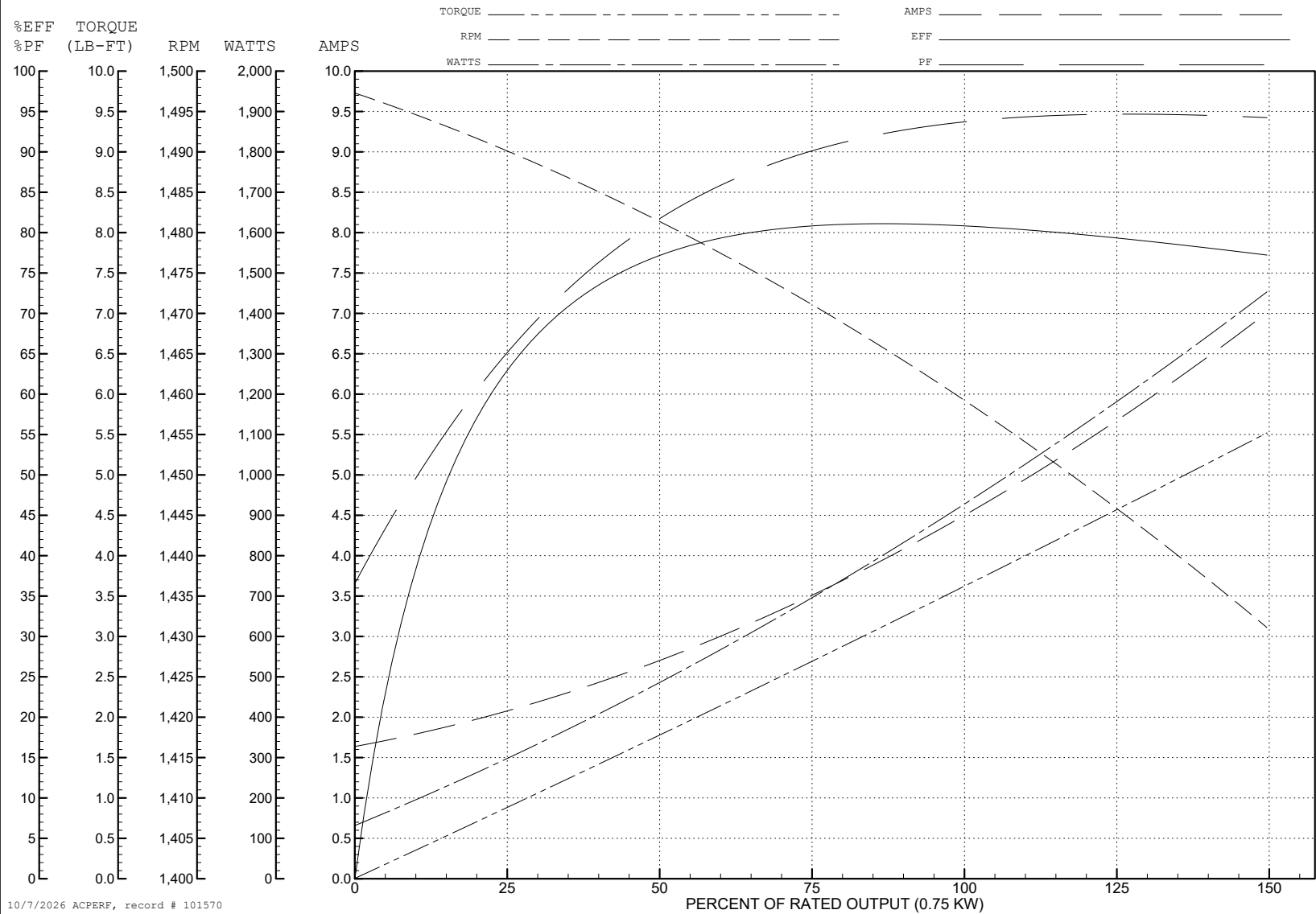
ABB Motors and Mechanical Inc.

WINDING # 35WGG769

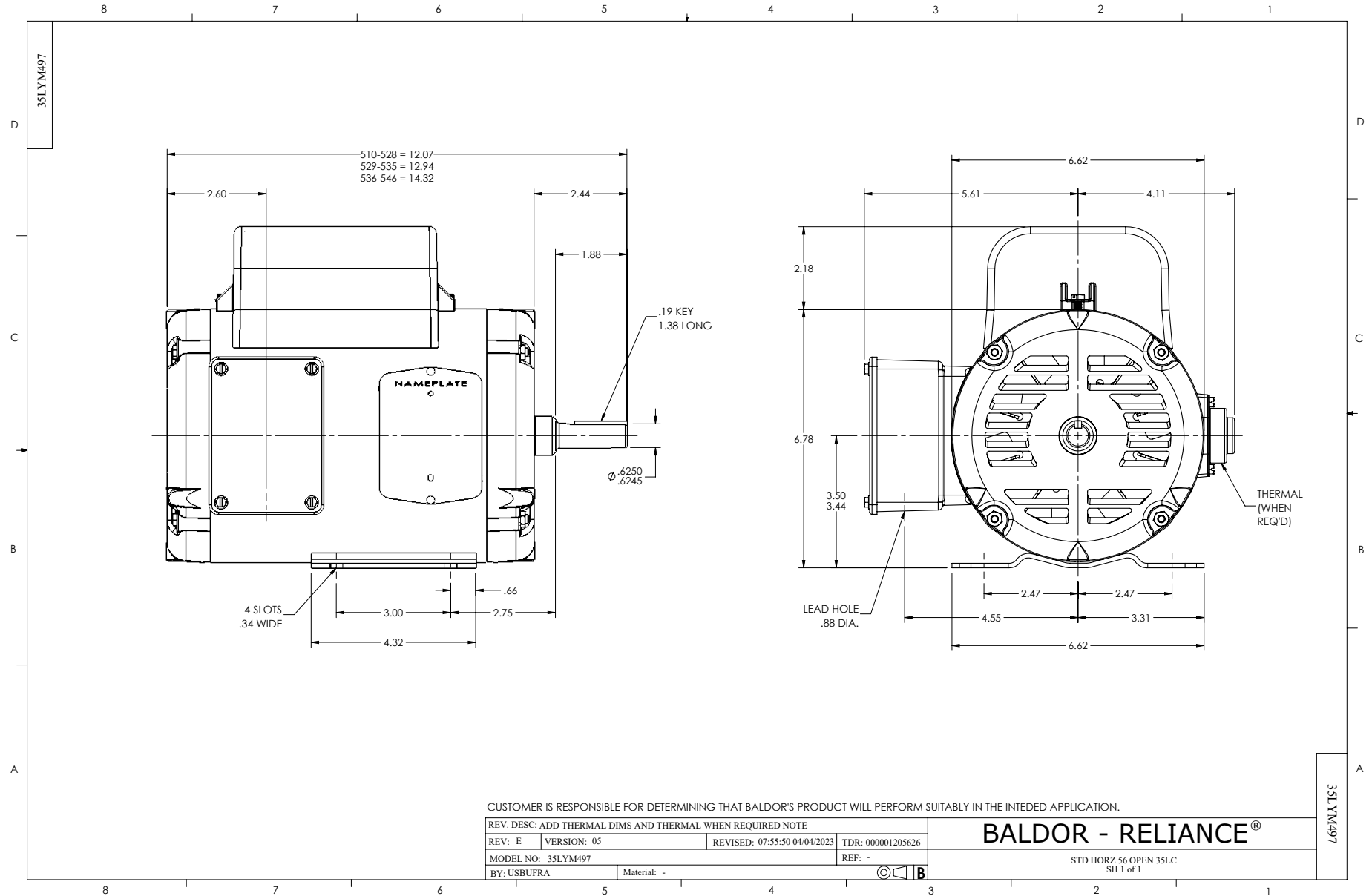
Typical performance - not guaranteed values.

0.75 KW 1 PH 50 HZ 1460 RPM 220 V 3532LC

TORQUES (LB-FT): PO=9.34 PU=6.87 LR=10.4 LRA=38.1



10/7/2026 ACPERF, record # 101570



CD0055

