

ABB BALDOR RELIANCE III

Customer information packet

L1313-50

1.5/1.1KW, 2920RPM, 1PH, 50HZ, 56, 3530LC, OPE

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	1.100 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	220.0 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	6.100 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.1 a

Part Detail

Revision	F
Type	AC
Mech. spec.	35M497
Base	
Status	PRD/A
Elec. spec.	35WGG779
Layout	35LYM497
Eff. date	04-20-2026
CD Diagram	CD0055
Poles	02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	06-01-2023

Insulation Class	B
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3530LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.94 IN
Power Factor	98
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	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	2920 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.	L1313-50								
SPEC.	35M497G779G1								
HP	1.5/1.1KW								
VOLTS	110/220								
AMP	12.6/6.3								
R.P.M. (1/MIN)	2915								
FRAME	56		HZ		50		PH		1
SER.F.	1.15	CODE		J	DES	-	CL	B	
NEMA-NOM-EFF	82.5	PF		95					
RATING	40C AMB-S1 CONT								
CC			IP22 KG23 IC01						
DE	6205		ODE		6203				
ENCL	OPEN	SN							
	IE2 83.4(75%) 78.6(50%)								

Accessories

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

AC Induction Motor Performance Data

Record # 101573

Typical performance - not guaranteed values

Winding: 35WGG779-R001			Type: 3530LC		Enclosure: OPEN			
Nameplate Data			110 V, 50 Hz: High Voltage Connection					
Rated Output (KW)		1.1	Full Load Torque		2.65 LB-FT			
Volts		110/220	Start Configuration		direct on line			
Full Load Amps		12.6/6.3	Breakdown Torque		8.1 LB-FT			
R.P.M.		2915	Pull-up Torque		7.4 LB-FT			
Hz	50	Phase	1	Locked-rotor Torque		8.8 LB-FT		
NEMA Design Code		-	KVA Code	J	Starting Current		96.7 A	
Service Factor (S.F.)		1.15	No-load Current		3.39 A			
NEMA Nom. Eff.		82.5	Power Factor		95	Line-line Res. @ 25°C		0.322 Ω A Ph 0.651 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		25°C	
S.F. Amps					Temp. Rise @ S.F. Load		30°C	
					Locked-rotor Power Factor		92.6	
					Rotor inertia		0.0645 lb-ft²	

Load Characteristics 110 V, 50 Hz, 1.1 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	82	91	94	95	96	96	96
Efficiency	67.1	78.6	83.4	83.3	82.6	80.4	82.9
Speed	2978	2959	2939	2916	2889	2858	2900
Line amperes	4.65	7.04	9.58	12.56	15.78	19.47	14.5

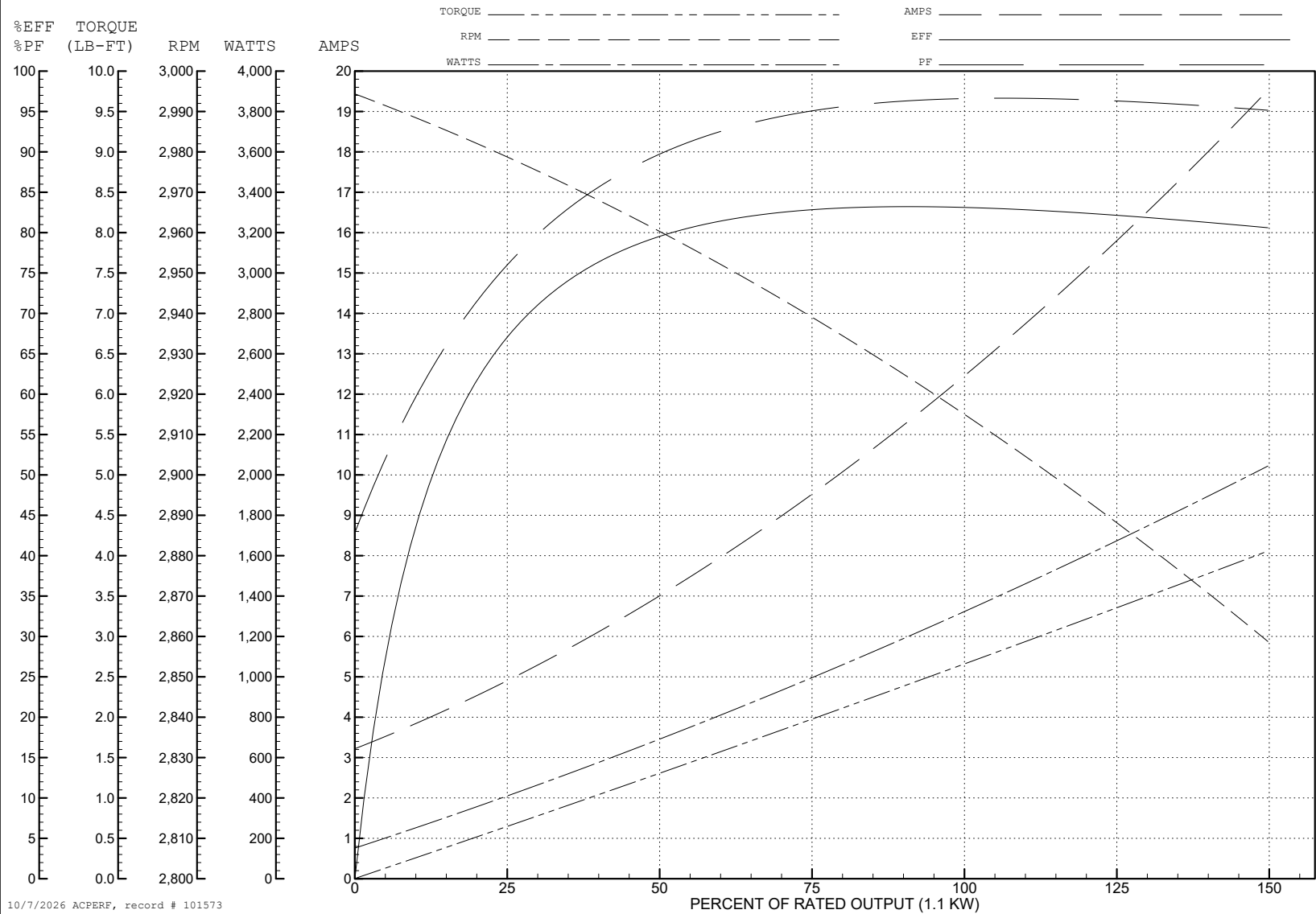
ABB Motors and Mechanical Inc.

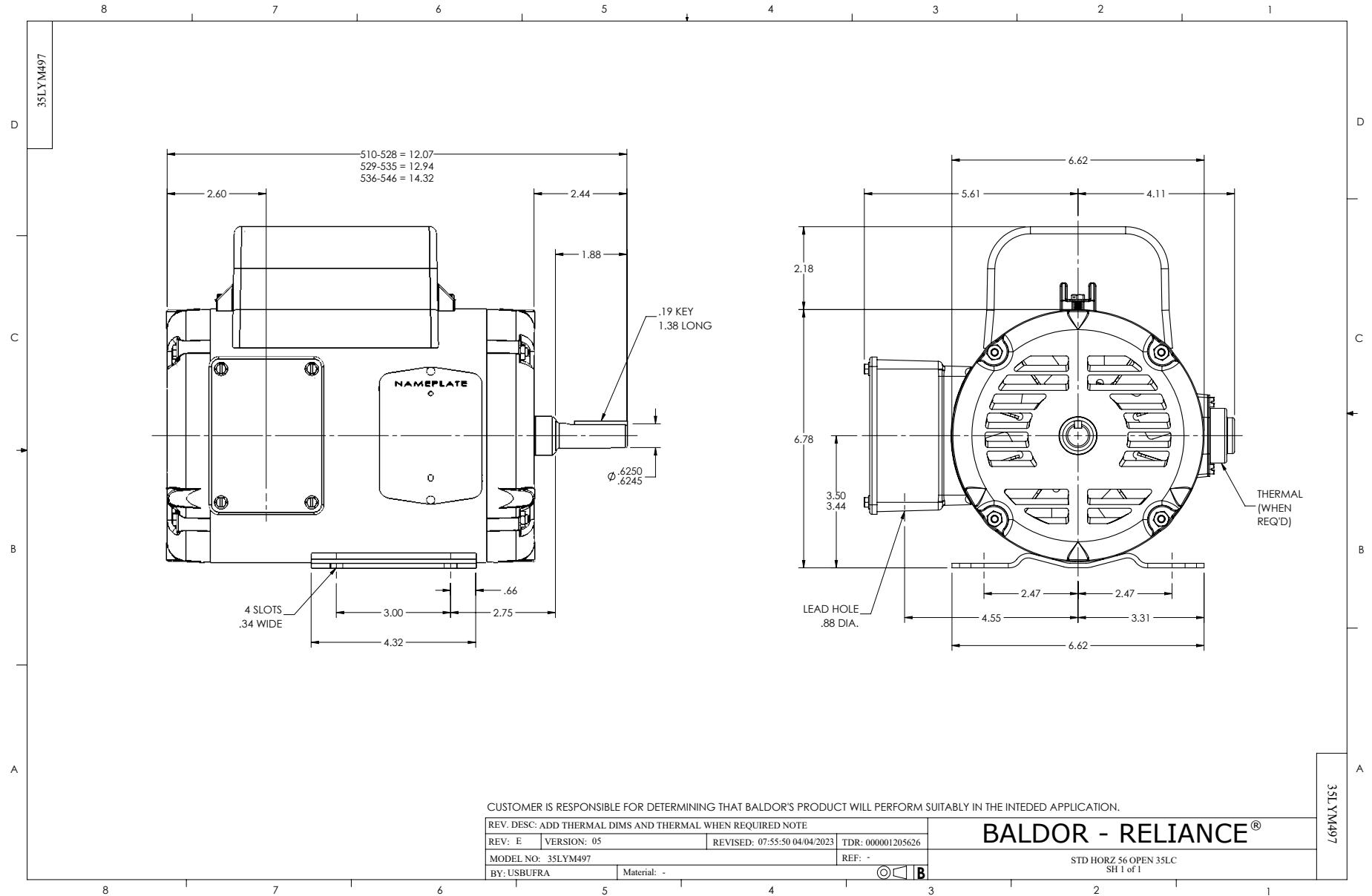
WINDING # 35WGG779

Typical performance - not guaranteed values.

1.1 KW 1 PH 50 HZ 2915 RPM 110 V 3530LC

TORQUES (LB-FT): PO=8.1 PU=7.4 LR=8.8 LRA=96.7





CD0055

