

ABB BALDOR RELIANCE III

Customer information packet

L3515-50

2/1.5KW, 2900RPM, 1PH, 50HZ, 56, 3536LC, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
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 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	C UR US WEEE UKCA CURUS CE
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	8.300 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.3 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.3 a

Part Detail

Revision	G
Type	AC
Mech. spec.	35E008
Base	
Status	PRD/A
Elec. spec.	35WGG772
Layout	35LYE008
Eff. date	04-20-2026
CD Diagram	CD0055
Poles	02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	05-25-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3536LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.48 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 NON-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	2900 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.	L3515-50										
SPEC.	35E008G772G1										
HP	2/1.5KW										
VOLTS	110/220										
AMP	17/8.5										
R.P.M. (1/MIN)	2900										
FRAME	56		HZ		50		PH		1		
SER.F.	1.15	CODE		H	DES		-	CL	F		
NEMA-NOM-EFF	81.3	PF		95							
RATING	40C AMB-S1 CONT										
CC		IP54 KG30 IC411									
DE	6205		ODE		6203						
ENCL	TEFC	SN									
	IE2-50HZ 84.1(75%) 81.6(50%)										

Accessories

Part number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 101543

Typical performance - not guaranteed values

Winding: 35WGG772-R001			Type: 3536LC		Enclosure: TEFC	
Nameplate Data			110 V, 50 Hz: Low Voltage Connection			
Rated Output (KW)		1.5	Full Load Torque		3.65 LB-FT	
Volts		110/220	Start Configuration		direct on line	
Full Load Amps		17/8.5	Breakdown Torque		9.6 LB-FT	
R.P.M.		2900	Pull-up Torque		9.1 LB-FT	
Hz	50 Phase	1	Locked-rotor Torque		11.1 LB-FT	
NEMA Design Code		- KVA Code	Starting Current		128 A	
Service Factor (S.F.)		1.15	No-load Current		4.36 A	
NEMA Nom. Eff.	81.3	Power Factor	95	Line-line Res. @ 25°C		0.232 Ω A Ph 0.669 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		52°C
S.F. Amps				Temp. Rise @ S.F. Load		65°C
				Locked-rotor Power Factor		86.7
				Rotor inertia		0.0774 lb-ft²

Load Characteristics 110 V, 50 Hz, 1.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	83	92	95	95	96	96	96
Efficiency	69.5	81.6	84.1	84.1	82.2	79.5	83
Speed	2975	2954	2933	2897	2866	2832	2878
Line amperes	6	9.14	12.83	17.02	21.53	26.88	19.7

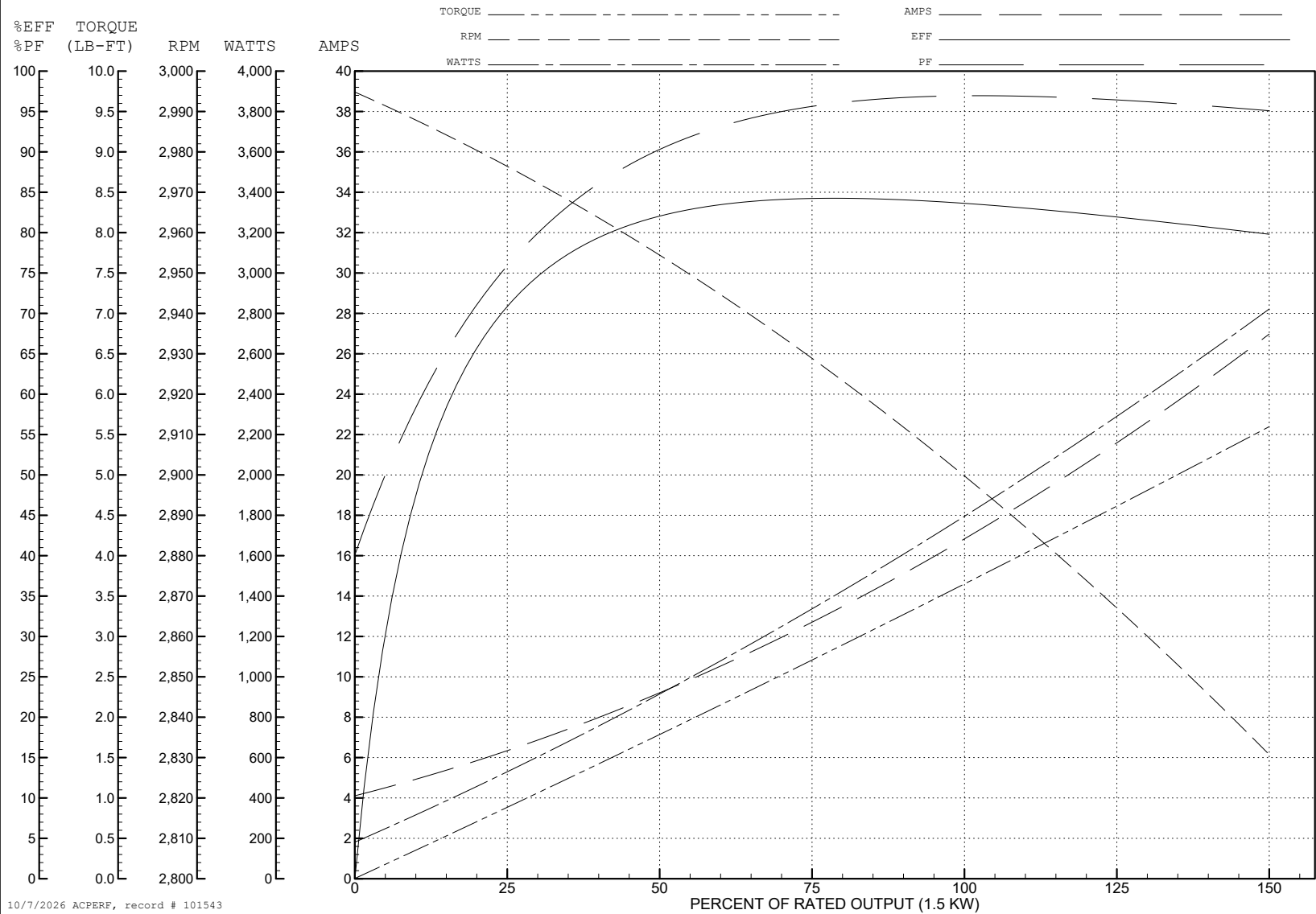
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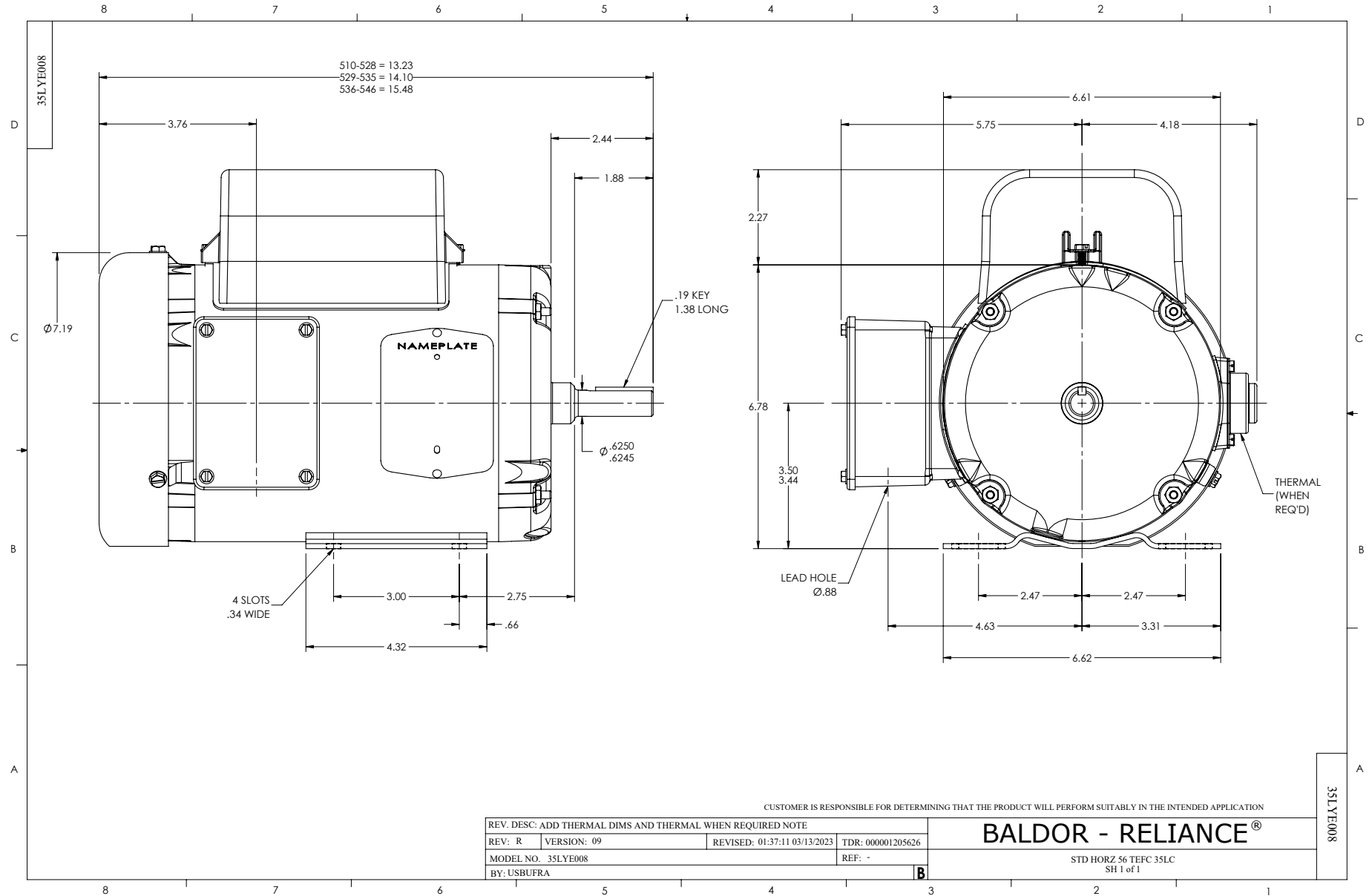
WINDING # 35WGG772

Typical performance - not guaranteed values.

1.5 KW 1 PH 50 HZ 2900 RPM 110 V 3536LC

TORQUES (LB-FT): PO=9.6 PU=9.1 LR=11.1 LRA=128





CD0055

