

ABB BALDOR RELIANCE III

Customer information packet

L1322T

2HP, 1735RPM, 1PH, 60HZ, 145T, 3538LC, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	145T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 208.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	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	9.200 A @ 208.0 V 8.500 A @ 230.0 V 19.500 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.5 a

Part Detail

Revision	E
Type	AC
Mech. spec.	35EE002
Base	
Status	PRD/A
Elec. spec.	35WGG469
Layout	35LYEE002
Eff. date	12-02-2025
CD Diagram	CD0016A01
Poles	04
Leads	4#16 A PH,3#18 B PH Y
Proprietary	False
Created date	02-23-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3538LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.38 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1735 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

NP1256L											
CAT.NO.	L1322T										
SPEC.	35EE002G469										
HP	2										
VOLTS	115/208-230										
AMP	19.5/9.2-8.5										
RPM	1735										
FRAME	145T		HZ	60				PH	1		
SER.F.	1.15		CODE	G	DES	L		CLASS	F		
NEMA-NOM-EFF	78.5		PF	98							
RATING	40C AMB-CONT										
CC											
DE	6205		ODE	6203							
ENCL	OPEN		SN								
	SFA 20.4/11.2-10.2										

Accessories

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

AC Induction Motor Performance Data

Record # 104654

Typical performance - not guaranteed values

Winding: 35WGG469-R004			Type: 3538LC		Enclosure: OPEN	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		2	Full Load Torque		5.98 LB-FT	
Volts		115/208-230	Start Configuration		direct on line	
Full Load Amps		18.2/9.2-8.2	Breakdown Torque		15.4 LB-FT	
R.P.M.		1735	Pull-up Torque		14.1 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque	16.1 LB-FT	
NEMA Design Code	L	KVA Code	G	Starting Current	126 A	
Service Factor (S.F.)		1.15	No-load Current		7.98 A	
NEMA Nom. Eff.	78.5	Power Factor	98	Line-line Res. @ 25°C	0.357 Ω A Ph 0.894 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		48°C	
S.F. Amps		20.4/11.2-10.2	Temp. Rise @ S.F. Load		58°C	
			Locked-rotor Power Factor		92.1	
			Rotor inertia		0.275 lb-ft²	

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	77	88	93	95	99	94
Efficiency	65.8	79.8	81.6	81.1	79.1	77.6	79.9
Speed	1783	1769	1754	1734	1713	1704	1721
Line amperes	8.68	10.7	13.51	18.2	21.05	22.84	19.9

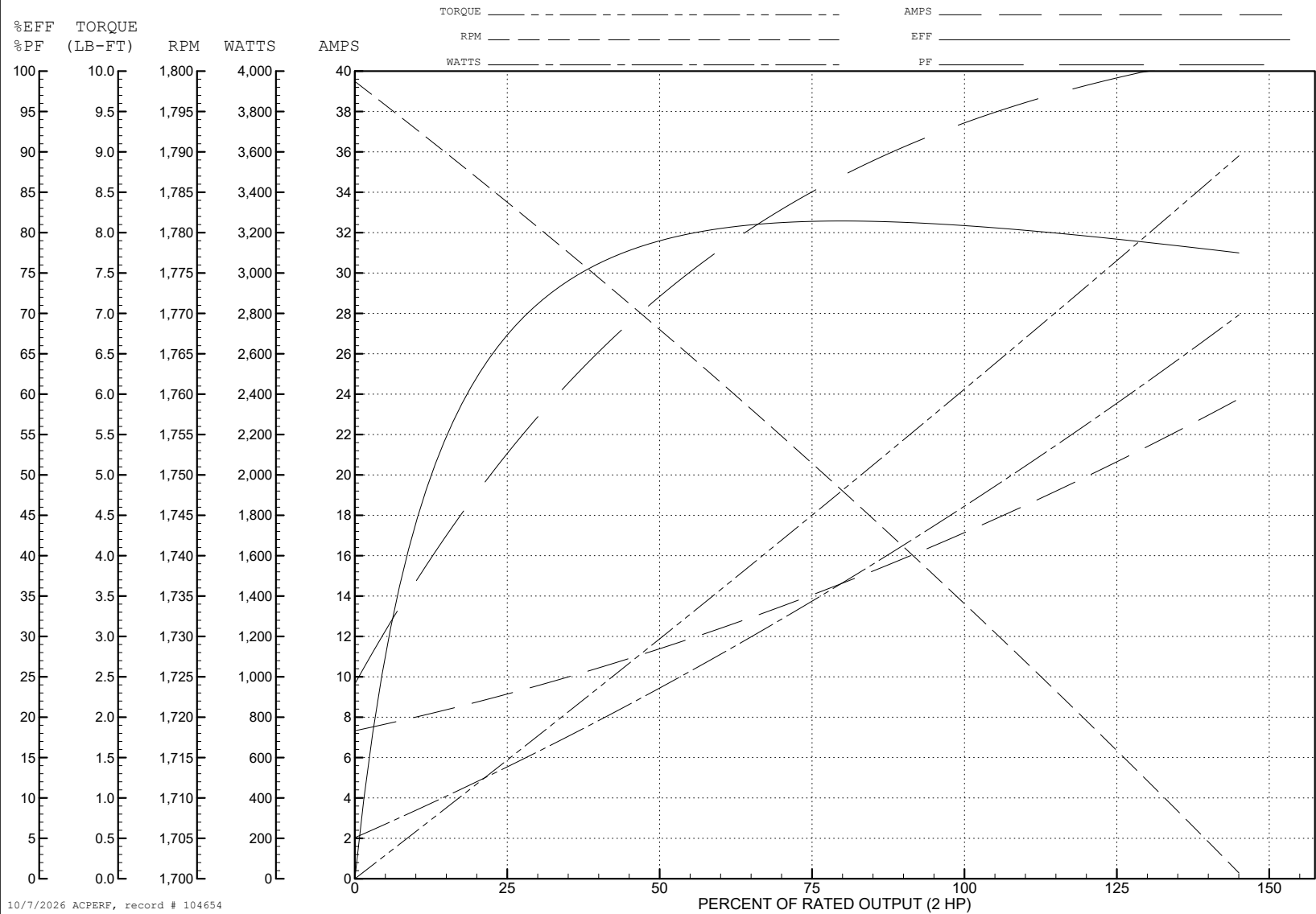
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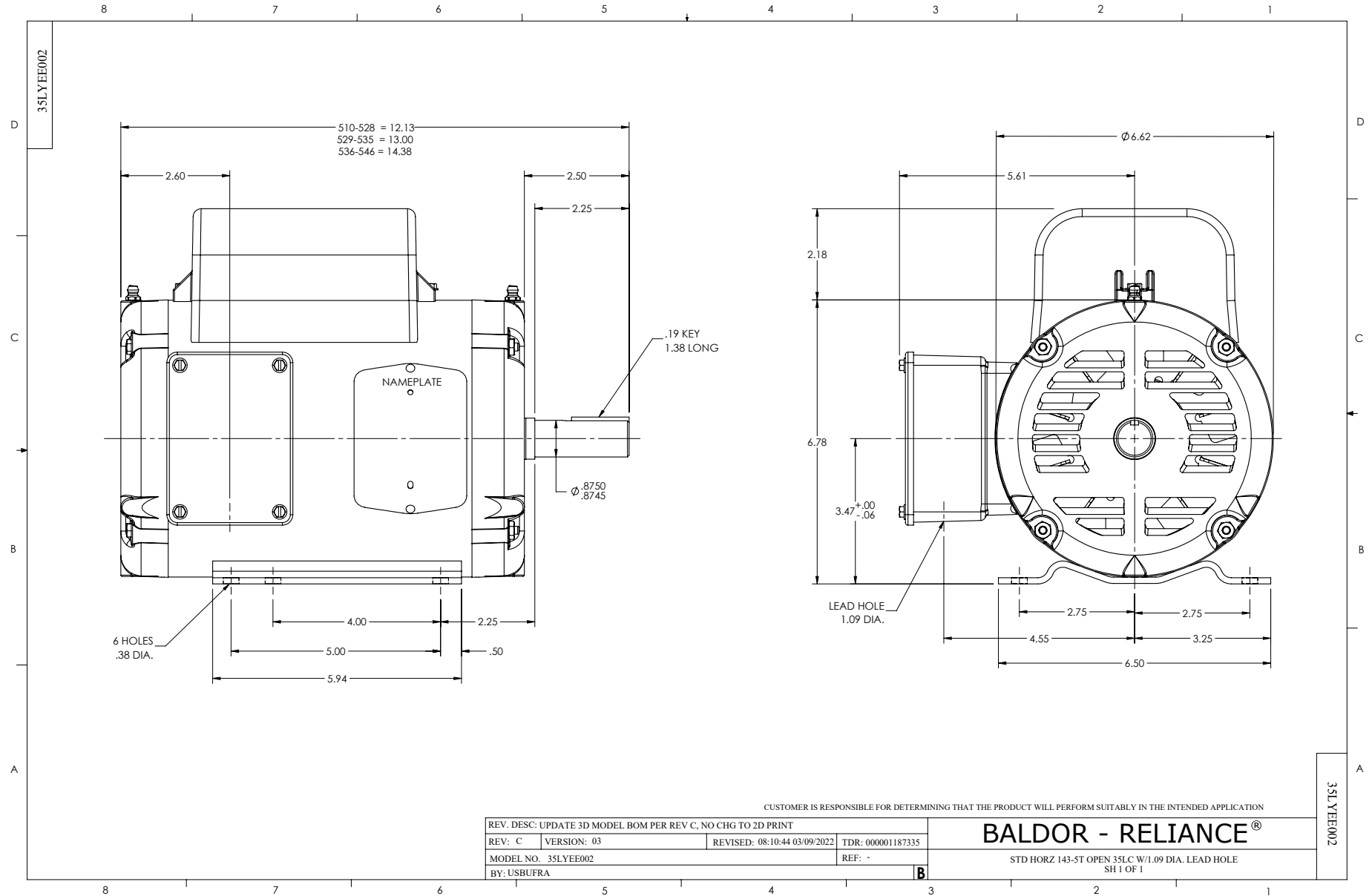
WINDING # 35WGG469

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1735 RPM 115 V 3538LC

TORQUES (LB-FT): PO=15.4 PU=14.1 LR=16.1 LRA=126





CD0016A01

