

ABB BALDOR RELIANCE III

Customer information packet

EPL1322M

2HP, 1760RPM, 1PH, 60HZ, 56, 3546LC, OPEN, F1, N

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56
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	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV
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	16.400 A @ 115.0 V 8.200 A @ 230.0 V 9.200 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.2 a
Insulation Class	F

Part Detail

Revision	-
Type	AC
Mech. spec.	35H436
Base	
Status	PRD/A
Elec. spec.	35WGG890
Layout	35LYH436
Eff. date	10-07-2025
CD Diagram	CD0881
Poles	04
Leads	6#16,1#14 #4TH
Proprietary	False
Created date	10-07-2025

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3546LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.32 IN
Power Factor	92
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	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP3432L											
CAT.NO.	EPL1322M										
SPEC.	35H436G890										
HP	2										
VOLTS	115/230										
AMP	16.4/8.2										
RPM	1760										
FRAME	56		HZ	60				PH	1		
SER.F.	1.15		CODE	K	DES	L	CL	F			
F.L. AVG. EFF.	84.5		PF	92							
RATING	40C AMB-CONT										
CC											
DE	6205		ODE	6203							
ENCL	OPEN		SN								

AC Induction Motor Performance Data

Record # 112162

Typical performance - not guaranteed values

Winding: 35WGG890-R002			Type: 3546LC		Enclosure: OPEN		
Nameplate Data			115 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		2	Full Load Torque		5.988 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		16.4/8.2	Breakdown Torque		19.1 LB-FT		
R.P.M.		1775	Pull-up Torque		11.3 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		16.9 LB-FT	
NEMA Design Code		L	KVA Code	K	Starting Current		145 A
Service Factor (S.F.)		1.15		No-load Current		4.95 A	
NEMA Nom. Eff.		84.5	Power Factor	92	Line-line Res. @ 25°C		0.33795 Ω A Ph 1.5355 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		58°C	
S.F. Amps				Temp. Rise @ S.F. Load		71°C	

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	73	86	91	94	95	95	95
Efficiency	72	81.8	84.7	84.8	83.3	80.7	83.9
Speed	1790	1782	1772	1761	1749	1734	1754
Line amperes	6.36	9.3	12.6	16.4	20.6	25.5	18.9

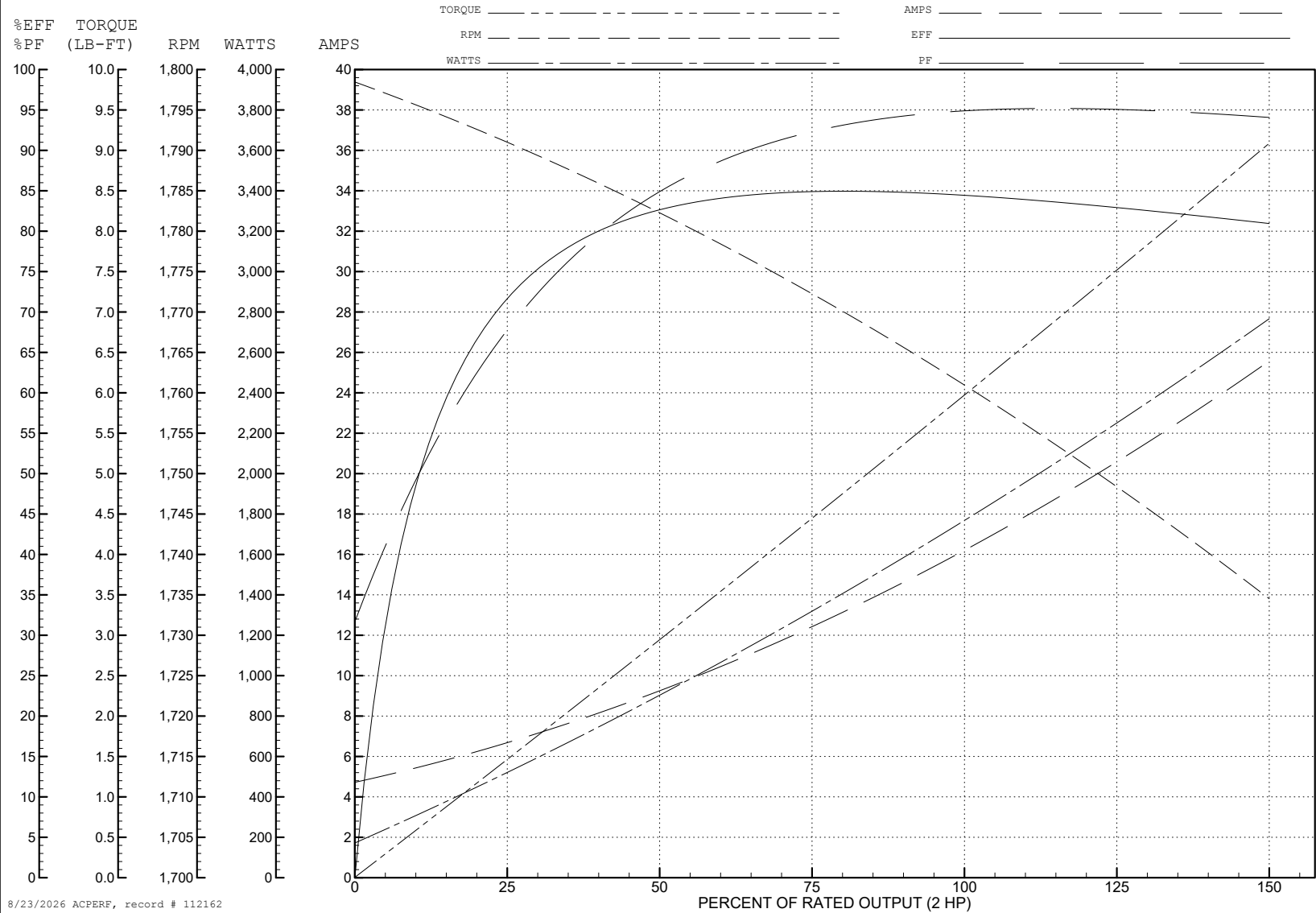
ABB Motors and Mechanical Inc.

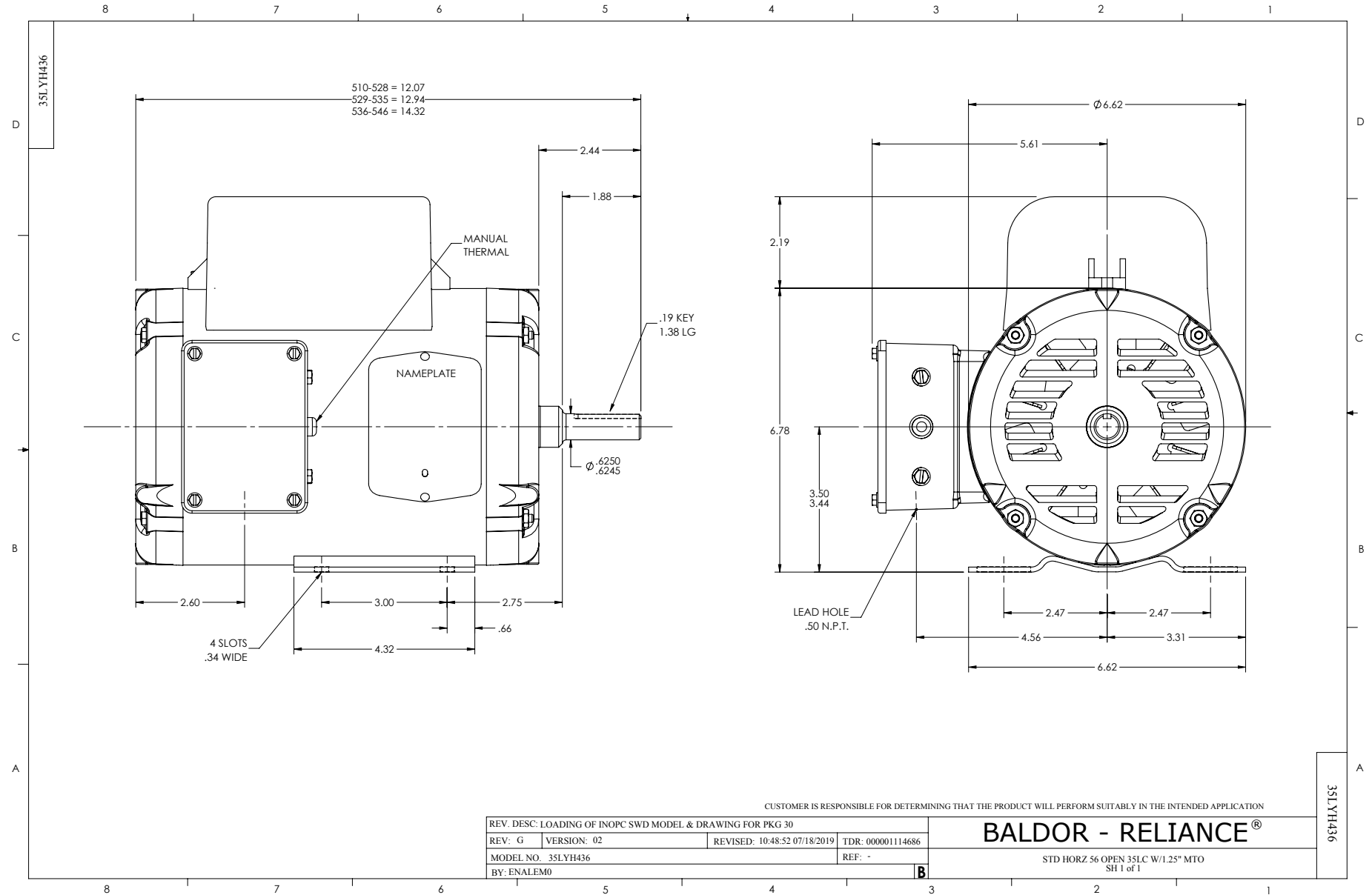
WINDING # 35WGG890

Typical performance - not guaranteed values.

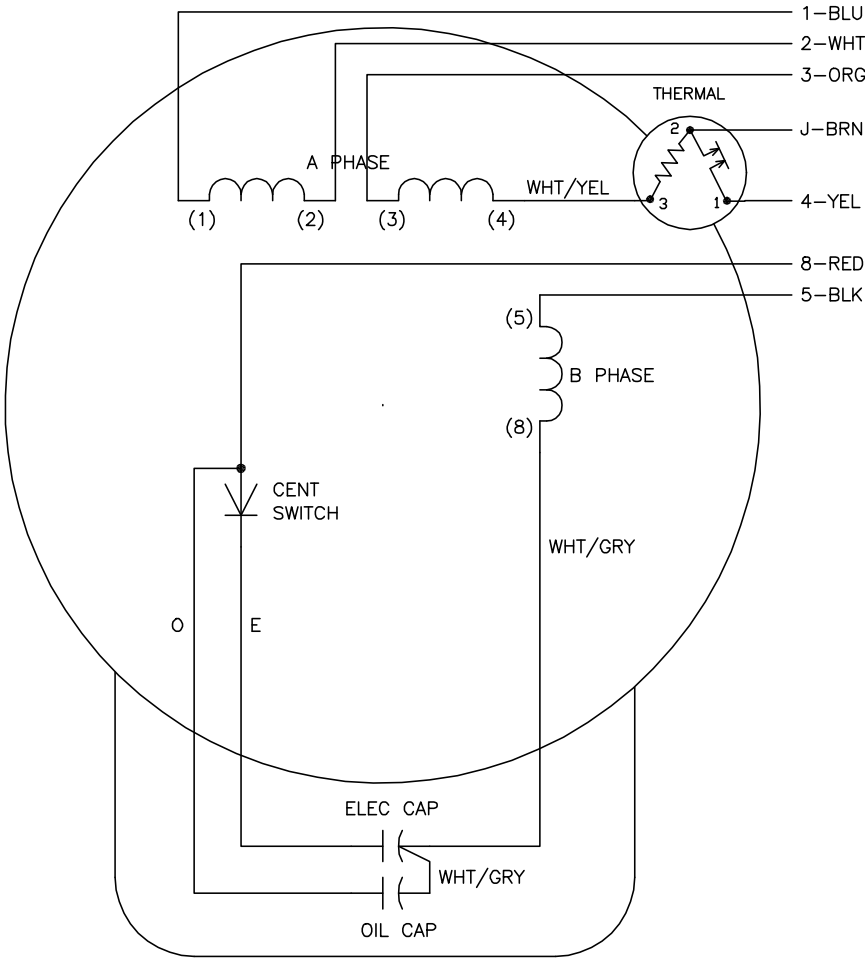
2 HP 1 PH 60 HZ 1775 RPM 115 V 3546LC

TORQUES (LB-FT): PO=19.1 PU=11.3 LR=16.9 LRA=145





CD0881



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	—	2,J,5
LOW OPP	1,3,5	4	—	2,J,8

- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: C	VERSION: 01	TDR: 000000373051
CD0881	FILE: \AAA\00007\429	REVISED: 11:52:48 09/09/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, THERMAL, 7 LEAD

CD0881