ABB BALDOR RELIANCE

Customer information packet

L1401M

1HP, 1725RPM, 1PH, 60HZ, 182, 3617L, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	182
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	1.000 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	UR
	CSA
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	14.000 A @ 115.0 V
	7.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.0 a

Part Detail

Revision	AK
Type	AC
Mech. spec.	36D011
Base	
Status	PRD/A
Elec. spec.	36WG0377
Layout	36LYD011
Eff. date	05-09-2024
CD Diagram	CD0008
Poles	04
Leads	6#16,1#14 #4TH
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3617L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.75 IN
Power Factor	66
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 Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 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	SB
Winding Thermal 2	None

Nameplate

NP1257L								
CAT.NO.	L1401M							
SPEC.	36D11-377							
HP	1							
VOLTS	115/230							
AMP	14/7							
RPM	1725							
FRAME	182	**HZ**	60	**PH**	1			
SER.F.	1.15	**CODE**	J	**DES**	L	**CL**	B	
NEMA-NOM-EFF	70	**PF**	66					
RATING	40C AMB-CONT							
CC								
DE	6206	**ODE**	6205					
ENCL	OPEN	**SN**						

Accessories

Part number	Description	Multiplier
36-486	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data
Record # 10467
Typical performance - not guaranteed values

Winding: 36WG0377-R001	**Type:** 3617L	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	3 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			14/7	**Breakdown Torque**	8.2 LB-FT
R.P.M.			1725	**Pull-up Torque**	7.8 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	9 LB-FT
NEMA Design Code	L	**KVA Code**	J	**Starting Current**	33 A
Service Factor (S.F.)			1.15	**No-load Current**	5 A
NEMA Nom. Eff.	70	**Power Factor**	66	**Line-line Res. @ 25ºC**	1.99 Ω A Ph 1.76 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	36°C
S.F. Amps				**Temp. Rise @ S.F. Load**	47°C

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	32	48	57	66	72	77	70
Efficiency	49	62.3	67.6	70.1	70	67.9	70
Speed	1784	1770	1760	1744	1728	1706	1734
Line amperes	5.3	5.7	6.2	7	7.9	9.2	7.5

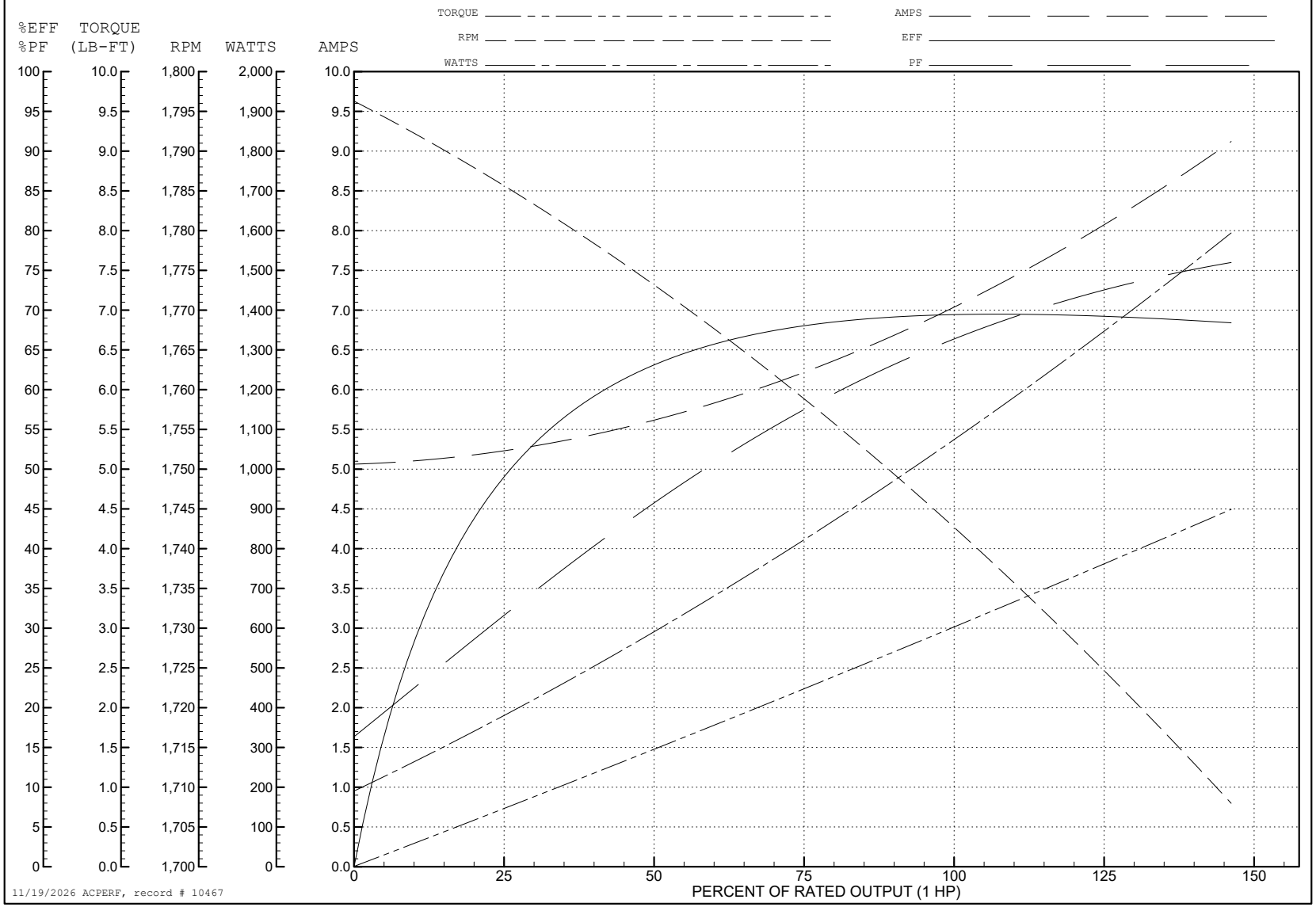
ABB Motors and Mechanical Inc.

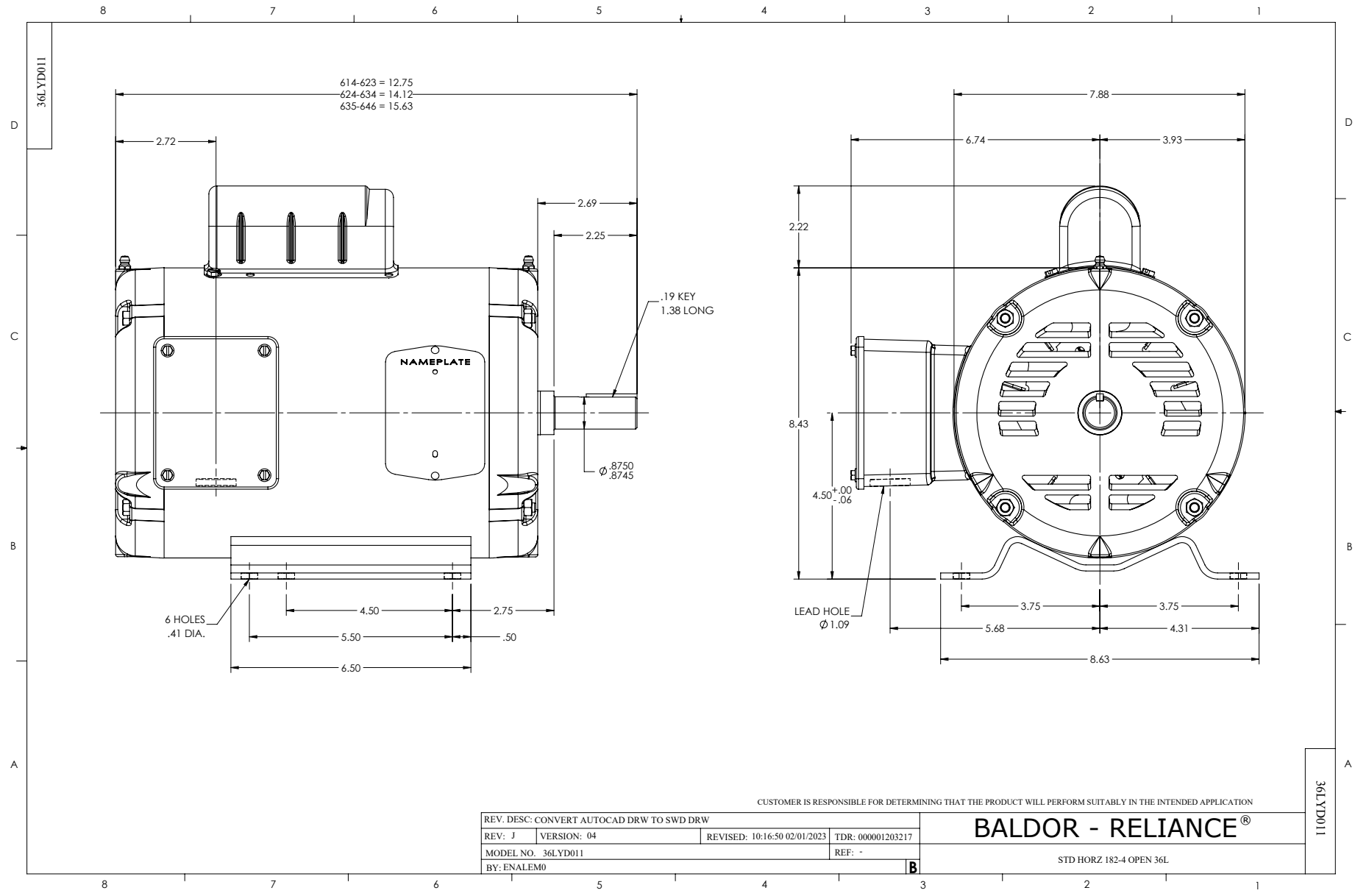
WINDING # 36WG0377

1 HP 1 PH 60 HZ 1725 RPM 230 V 3617L

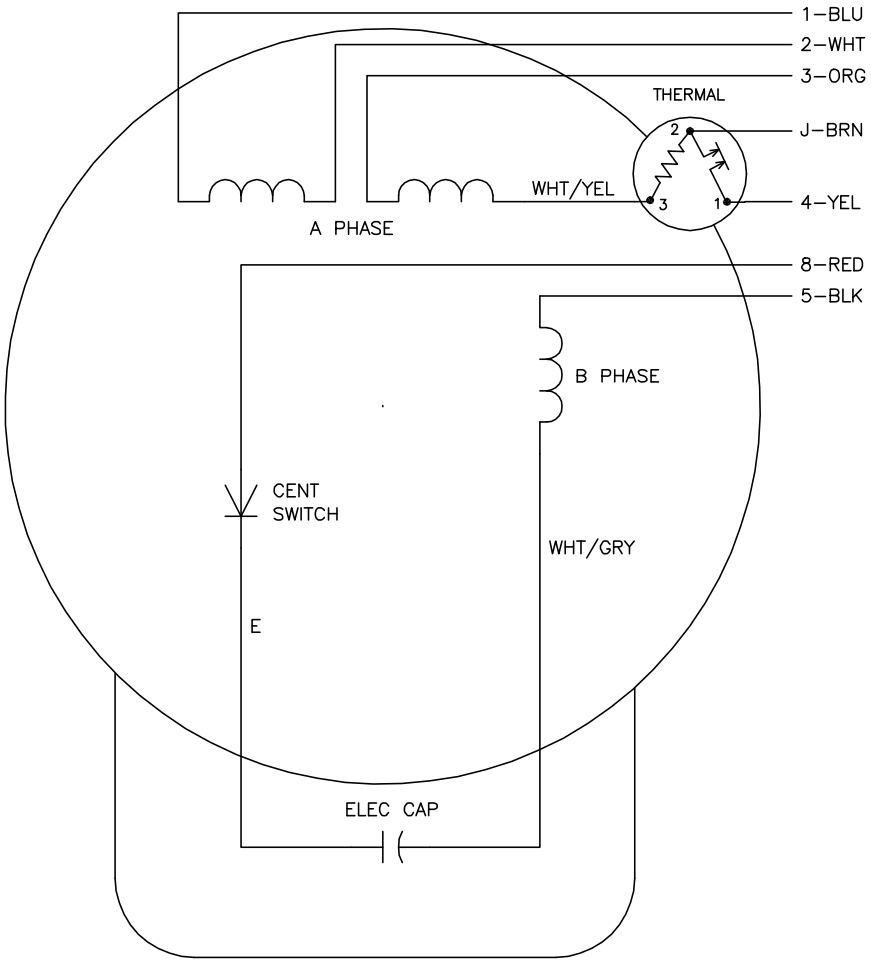
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=8.2 PU=7.8 LR=9 LRA=33




36LYD011
614-623 = 12.75
624-634 = 14.12
635-646 = 15.63
2.72
2.69
2.25
.19 KEY
1.38 LONG
NAMEPLATE
Ø .8750
.8745
6 HOLES
.41 DIA.
4.50
2.75
5.50
.50
6.50
7.88
6.74
3.93
2.22
8.43
4.50 +.00 -.06
LEAD HOLE
Ø 1.09
3.75
3.75
5.68
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: J
VERSION: 04
REVISED: 10:16:50 02/01/2023
TDR: 000001203217
MODEL NO. 36LYD011
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 182-4 OPEN 36L
36LYD011

CD0008



	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.

CD0008

REV. DESC: REMOVE 2–TERMINAL THERMAL DETAIL, SEE CD0008A02			BALDOR ELECTRIC Co.
REV. LTR: F	VERSION: 01	TDR: 000000360649	
CD0008	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005	TYPE L, DV, REV, THERMAL, 7 LEADS
	MTL: –	BY: ENJOEP0	