ABB BALDOR RELIANCE

Customer information packet

L1403

1.5HP, 1725RPM, 1PH, 60HZ, 184, 3623L, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODP
Frame	184
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	1.500 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	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	9.500 A @ 230.0 V
	19.000 A @ 115.0 V
	10.000 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AE
Type	AC
Mech. spec.	36D011
Base	
Status	INA/A
Elec. spec.	36WG0078
Layout	36LYD011
Eff. date	03-24-2017
CD Diagram	CD0001
Poles	04
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	9.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3623L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.75 IN
Power Factor	67
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	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.									
SPEC.	36D11-78								
HP	1.5								
VOLTS	115/230								
AMP	19/9.5								
RPM	1725								
FRAME	184		**HZ**	60			**PH**	1	
SER.F.	1.15	**CODE**	K	**DES**	L	**CLASS**		B	
NEMA-NOM-EFF	68	**PF**	67						
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 # 20841
Typical performance - not guaranteed values

Winding: 36WG0078-R001	**Type:** 3623L	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	4.5 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			19/9.5	**Breakdown Torque**	12 LB-FT
R.P.M.			1725	**Pull-up Torque**	10.5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	11.5 LB-FT
NEMA Design Code	L	**KVA Code**	K	**Starting Current**	54 A
Service Factor (S.F.)			1.15	**No-load Current**	7.4 A
NEMA Nom. Eff.	68	**Power Factor**	67	**Line-line Res. @ 25ºC**	0.341 Ω A Ph 0.925 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	72°C
S.F. Amps				**Temp. Rise @ S.F. Load**	88°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	33	48	59	68	74	79	72
Efficiency	47.8	63	69.3	71.9	72.6	71.8	72.3
Speed	1785	1773	1759	1744	1727	1708	1734
Line amperes	7.6	8.1	8.9	9.95	11.2	12.9	10.7

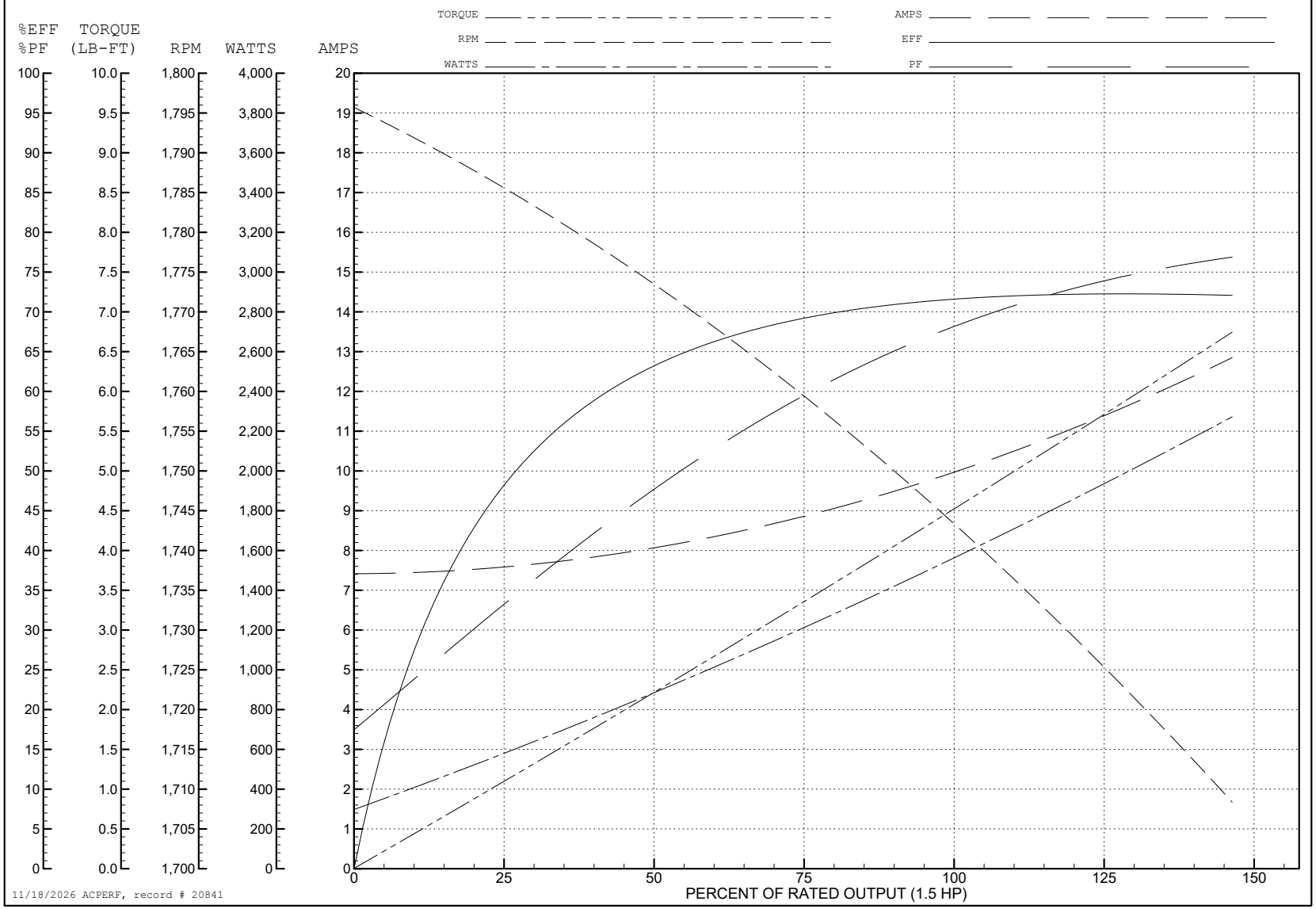
ABB Motors and Mechanical Inc.

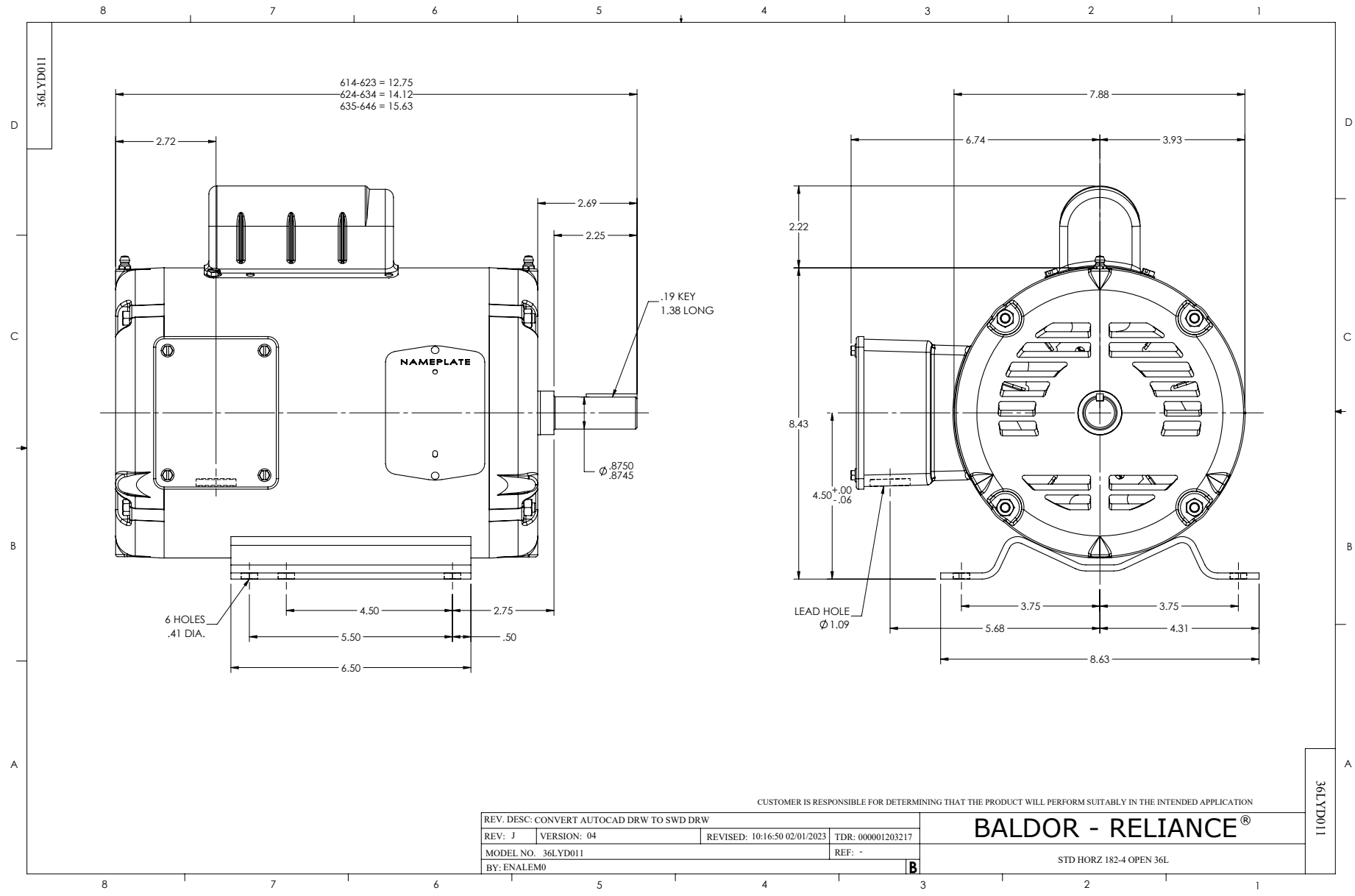
WINDING # 36WG0078

1.5 HP 1 PH 60 HZ 1725 RPM 230 V 3623L

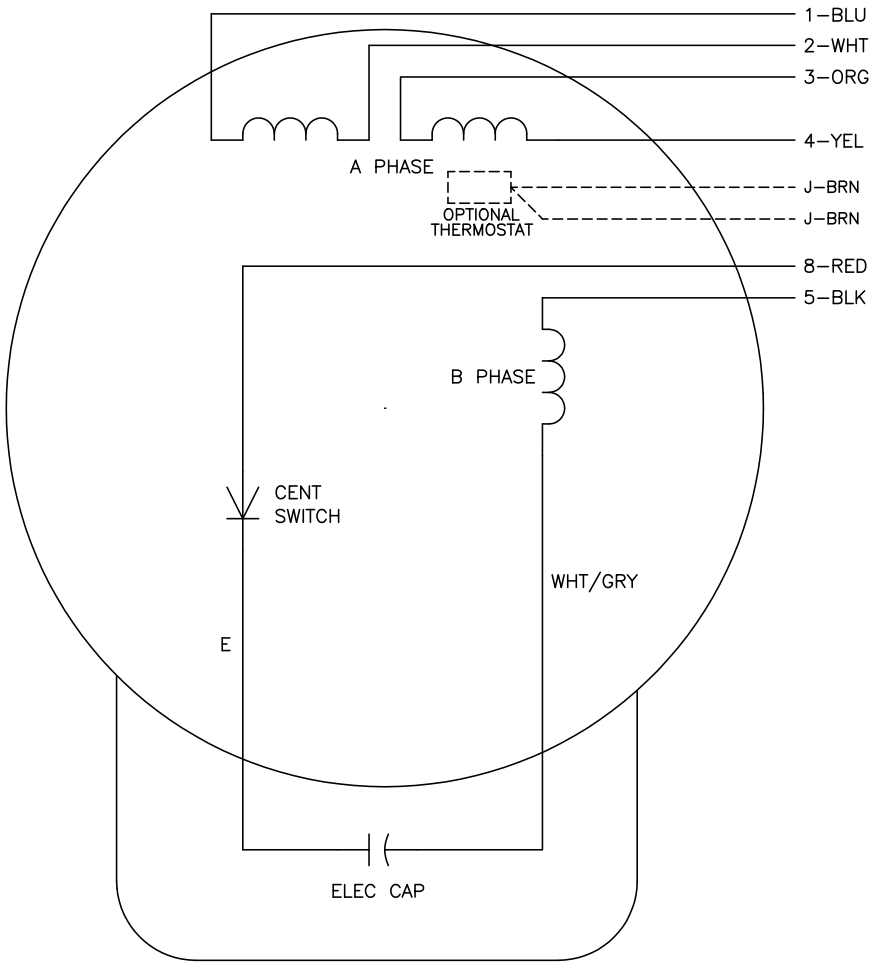
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=12 PU=10.5 LR=11.5 LRA=54




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

CD0001



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

NOTES:

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

CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	TYPE L, DV, REV, 6 LEADS