ABB BALDOR RELIANCE

Customer information packet

L3607

1HP, 1140RPM, 1PH, 60HZ, 184, 3634L, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
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	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 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	67.0 %
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	AE
Type	AC
Mech. spec.	36C011
Base	
Status	PRD/A
Elec. spec.	36WG0608
Layout	36LYC011
Eff. date	05-09-2024
CD Diagram	CD0001
Poles	06
Leads	6#16
Proprietary	False
Created date	01-01-0001

Insulation Class	F
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	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.69 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	1140 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.	L3607										
SPEC.	36C11-608										
HP	1										
VOLTS	115/230										
AMP	14/7										
RPM	1140										
FRAME	184		**HZ**	60			**PH**	1			
SER.F.	1.15	**CODE**	K	**DES**	L	**CLASS**	F				
NEMA-NOM-EFF	63	**PF**	67								
RATING	40C AMB-CONT										
CC											
DE	6206		**ODE**	6205							
ENCL	TEFC	**SN**									

Accessories

Part number	Description	Multiplier
36-1037	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data
Record # 84295
Typical performance - not guaranteed values

Winding: 36WG0608-R015	**Type:** 3634L	**Enclosure:** TEFC

Nameplate Data			**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		1	**Full Load Torque**	4.528 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		14/7	**Breakdown Torque**	8.5 LB-FT
R.P.M.		1140	**Pull-up Torque**	7.88 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	12 LB-FT
NEMA Design Code	L **KVA Code**	K	**Starting Current**	34 A
Service Factor (S.F.)		1.15	**No-load Current**	5.33 A
NEMA Nom. Eff.	63 **Power Factor**	67	**Line-line Res. @ 25ºC**	2.1182 Ω A Ph 1.7738 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	77°C
S.F. Amps			**Temp. Rise @ S.F. Load**	93°C

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	33	47	57	65	70	73	68
Efficiency	46.2	59.5	63.2	63.2	60.6	54.6	61.6
Speed	1187	1175	1162	1145	1123	1089	1132
Line amperes	5.44	5.98	6.69	7.8	9.22	11.2	8.65

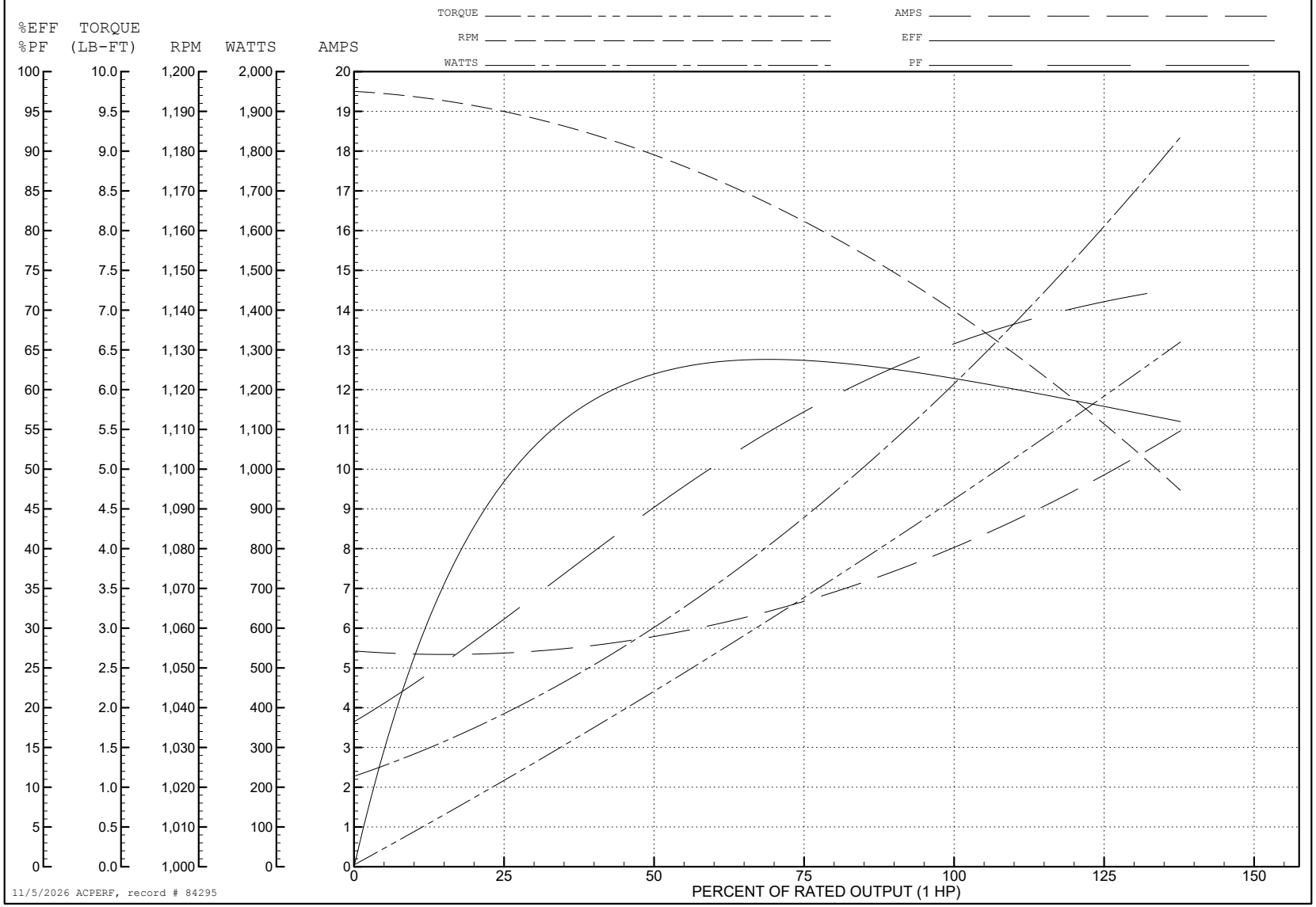
ABB Motors and Mechanical Inc.

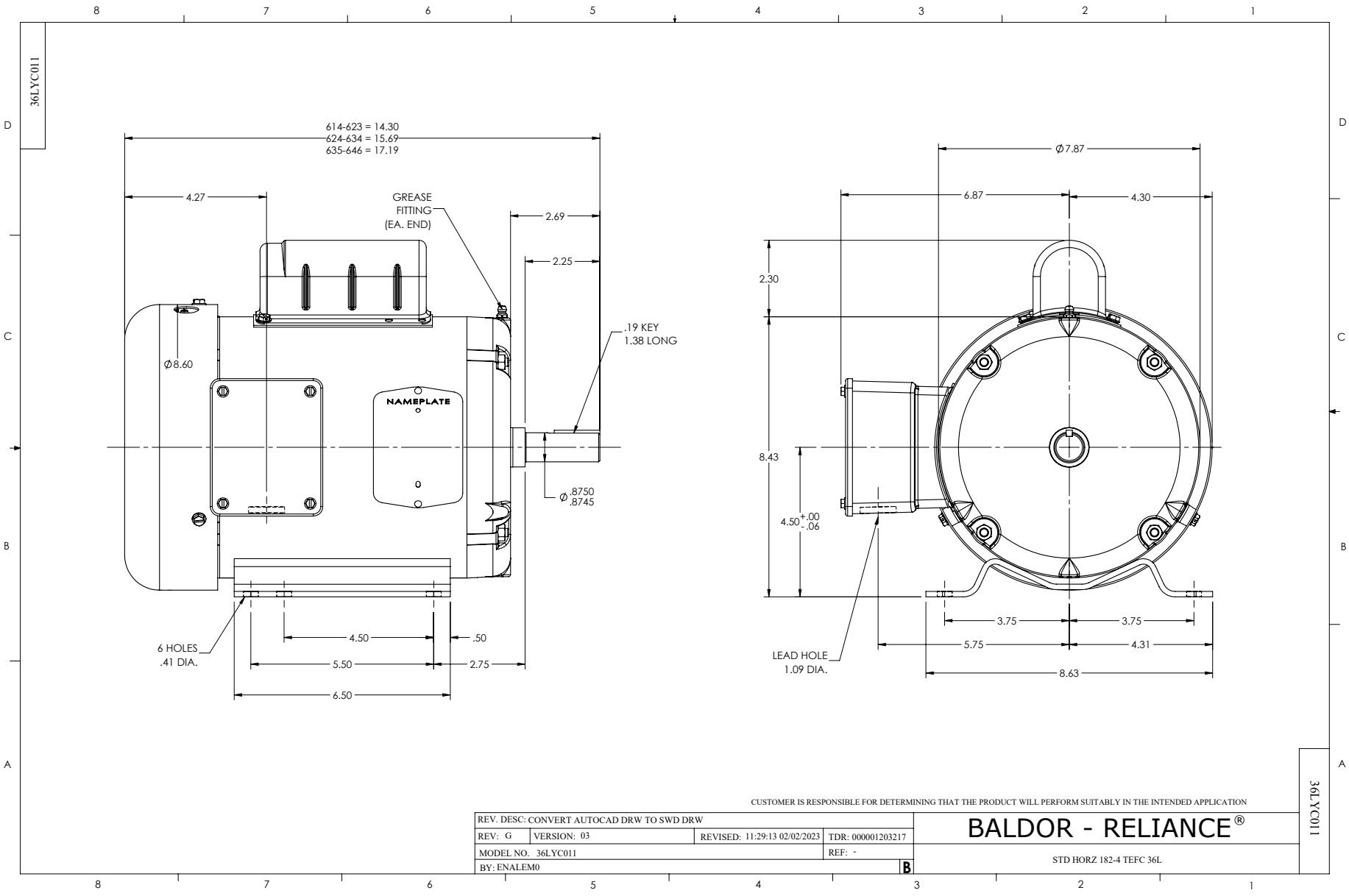
WINDING # 36WG0608

1 HP 1 PH 60 HZ 1140 RPM 230 V 3634L

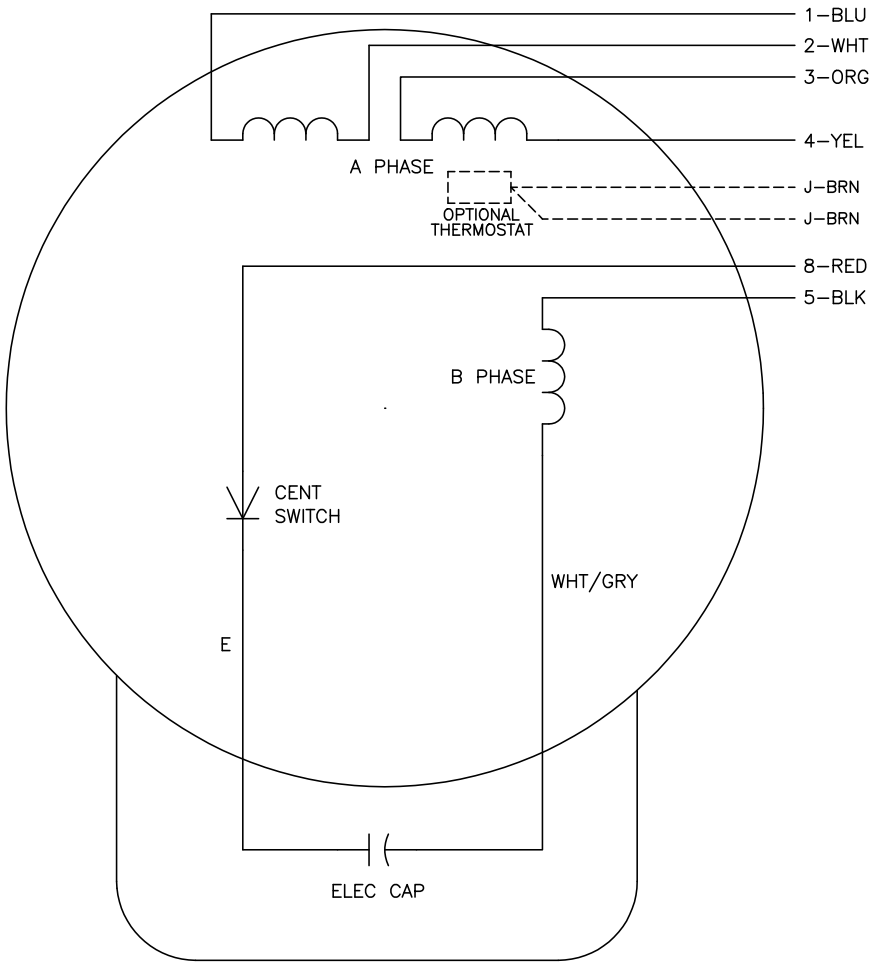
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=8.5 PU=7.88 LR=12 LRA=34




36LYC011
614-623 = 14.30
624-634 = 15.69
635-646 = 17.19
4.27
GREASE FITTING (EA. END)
2.69
2.25
.19 KEY
1.38 LONG
Ø8.60
NAMEPLATE
Ø .8750
.8745
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
Ø7.87
6.87
4.30
2.30
8.43
4.50 +.00 -.06
3.75
3.75
5.75
4.31
LEAD HOLE
1.09 DIA.
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: G
VERSION: 03
REVISED: 11:29:13 02/02/2023
TDR: 000001203217
MODEL NO. 36LYC011
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 182-4 TEFC 36L
36LYC011

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.

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

CD0001