ABB BALDOR RELIANCE

Customer information packet

L1408T-50

3/2.2KW, 1450RPM, 1PH, 50HZ, 184T, 3646LC, OPE
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	184T
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	2.200 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	C UR US
	WEEE
	UKCA
	CURUS
	CE
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	12.000 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.3 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a

Part Detail

Revision	F
Type	AC
Mech. spec.	36E002
Base	
Status	PRD/A
Elec. spec.	36WGQ060
Layout	36LYE002
Eff. date	12-27-2024
CD Diagram	CD0017A02
Poles	04
Leads	2#14 A PH,2#16 B PH
Proprietary	False
Created date	03-13-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3646LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.50 IN
Power Factor	99
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1450 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

NP1372L									
CAT.NO.	L1408T-50								
SPEC.	36E002Q060								
HP	3/2.2KW								
VOLTS	220								
AMP	12								
R.P.M. (1/MIN)	1450								
FRAME	184T		**HZ**	50			**PH**	1	
SER.F.	1.15	**CODE**	G	**DES**	-	**CL**	F		
NEMA-NOM-EFF	84.3	**PF**	99						
RATING	40C AMB-S1 CONT								
CC			IP22 45KG IC01						
DE	6206		**ODE**	6205					
ENCL	OPEN	**SN**							
	IE2-50HZ 85 (75%),83 (50%)								

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data
Record # 101591
Typical performance - not guaranteed values

Winding: 36WGQ060-R001	**Type:** 3646LC	**Enclosure:** OPEN

Nameplate Data				**220 V, 50 Hz: Single Voltage Motor**	
Rated Output (KW)			2.2	**Full Load Torque**	10.71 LB-FT
Volts			220	**Start Configuration**	direct on line
Full Load Amps			12	**Breakdown Torque**	20.2 LB-FT
R.P.M.			1450	**Pull-up Torque**	17.8 LB-FT
Hz	50	**Phase**	1	**Locked-rotor Torque**	37.3 LB-FT
NEMA Design Code	-	**KVA Code**	G	**Starting Current**	81.4 A
Service Factor (S.F.)			1.15	**No-load Current**	1.48 A
NEMA Nom. Eff.	84.3	**Power Factor**	99	**Line-line Res. @ 25ºC**	0.86665 Ω A Ph 1.4732 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	37°C
S.F. Amps				**Temp. Rise @ S.F. Load**	49°C

Load Characteristics 220 V, 50 Hz, 2.2 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	96	99	99	99	98	96	98
Efficiency	71.3	83.5	85.8	84.8	81.4	74.8	82.8
Speed	1488.6	1477.8	1465.2	1450	1430.1	1397.8	1438
Line amperes	3.68	6.06	8.81	11.9	15.7	20.9	14.2

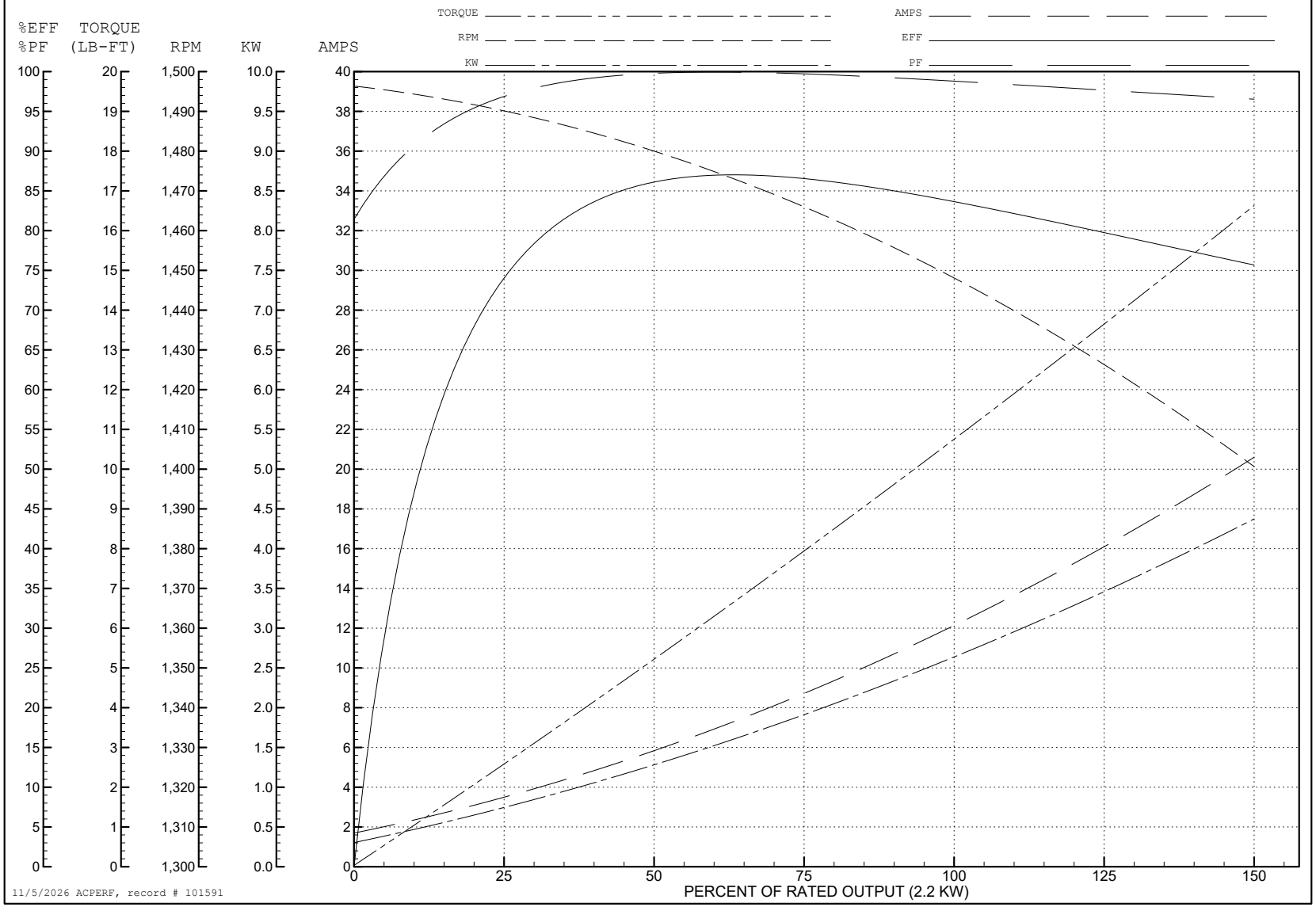
ABB Motors and Mechanical Inc.

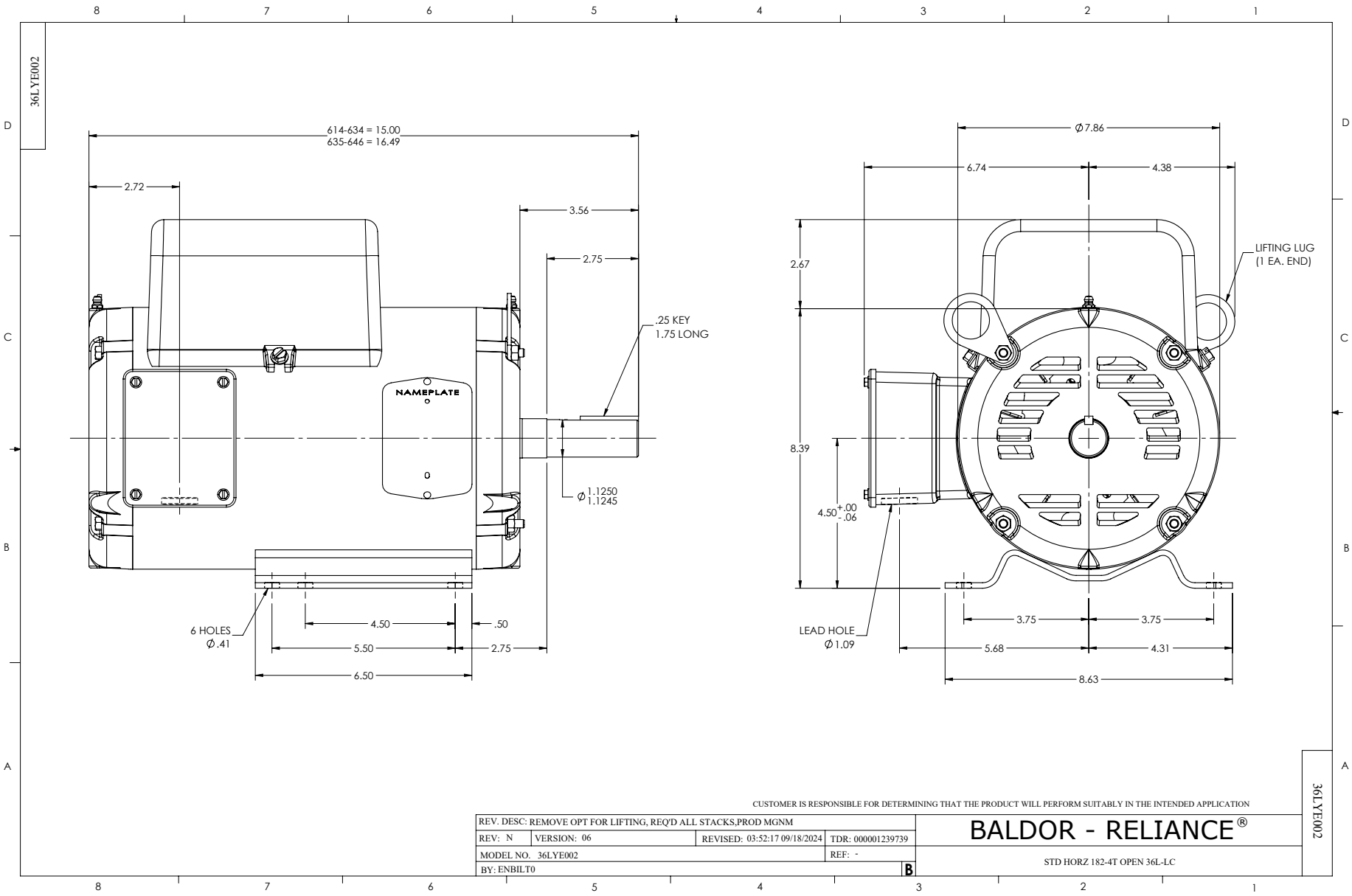
WINDING # 36WGQ060

2.2 KW 1 PH 50 HZ 1450 RPM 220 V 3646LC

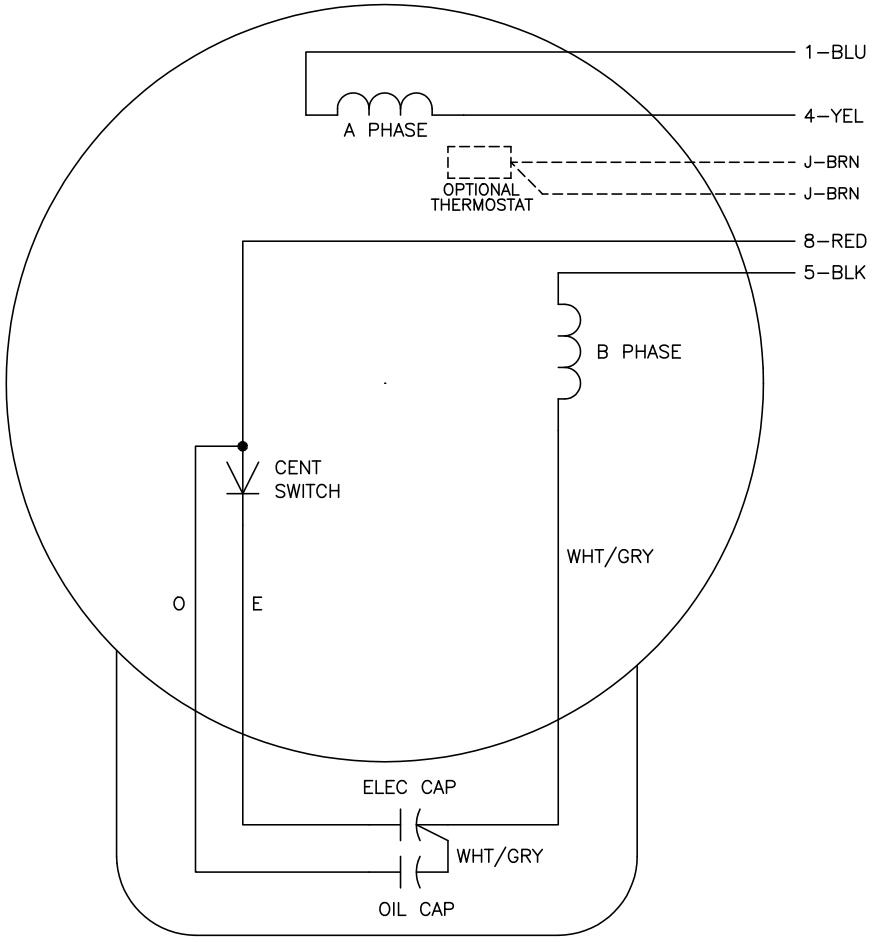
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=20.2 PU=17.8 LR=37.3 LRA=81.4




36LYE002
614-634 = 15.00
635-646 = 16.49
2.72
3.56
2.75
.25 KEY
1.75 LONG
NAMEPLATE
Ø1.1250
1.1245
6 HOLES
Ø.41
4.50
.50
5.50
2.75
6.50
Ø7.86
6.74
4.38
LIFTING LUG
(1 EA. END)
2.67
8.39
4.50 +.00 -.06
LEAD HOLE
Ø1.09
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: REMOVE OPT FOR LIFTING, REQ'D ALL STACKS,PROD MGNM
REV: N
VERSION: 06
REVISED: 03:52:17 09/18/2024
TDR: 000001239739
MODEL NO. 36LYE002
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
STD HORZ 182-4T OPEN 36L-LC
36LYE002

CD0017A02



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	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: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: –
		MTL: –	TYPE LC, SV, REV, 4 LEADS

CD0017A02