BALDOR • RELIANCE

Customer information packet

EL3606T

3HP, 3450RPM, 1PH, 60HZ, 182T, 3634LC, TEFC, F1
Class - None
Division - Not Applicable

4/11/2025 12:47:34 AM

Specifications

Enclosure	TEFC
Frame	182T
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	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	CURUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	24.800 A @ 115.0 V
	12.400 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.0 %
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	V
Type	AC
Mech. spec.	36E004
Base	
Status	PRD/A
Elec. spec.	36WGS115
Layout	36LYE004
Eff. date	01-13-2025
CD Diagram	CD0055
Poles	02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	11-12-2008

High Voltage Full Load Amps	12.4 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
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	3634LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.56 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

NP2116L									
CAT.NO.	EL3606T								
SPEC.	36E004S115E7								
HP	3								
VOLTS	115/230								
AMP	24.8/12.4								
RPM	3450								
FRAME	182T		**HZ**	60		**PH**	1		
SER.F.	1.00	**CODE**	H	**DES**	L	**CL**	F		
NEMA-NOM-EFF	82	**PF**	98						
RATING	40C AMB-CONT								
CC									
DE	6206	**ODE**	6205						
ENCL	TEFC	**SN**							

AC Induction Motor Performance Data
Record # 28248
Typical performance - not guaranteed values

Winding: 36WGS115-R001	**Type:** 3634LC	**Enclosure:** TEFC

Nameplate Data			**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		3	**Full Load Torque**	4.71 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		24.8/12.4	**Breakdown Torque**	17.8 LB-FT
R.P.M.		3450	**Pull-up Torque**	8.01 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	9.84 LB-FT
NEMA Design Code	L **KVA Code**	H	**Starting Current**	83.7 A
Service Factor (S.F.)		1	**No-load Current**	1.03 A
NEMA Nom. Eff.	82 **Power Factor**	98	**Line-line Res. @ 25ºC**	0.57885 Ω A Ph 0.80888 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	56°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	99	99	99	98	98	96
Efficiency	73	81.2	82.8	82.3	80.3	76.4
Speed	3555.4	3525.5	3494.2	3457.9	3414.3	3348.5
Line amperes	3.73	6.45	9.31	12.4	15.9	20.8

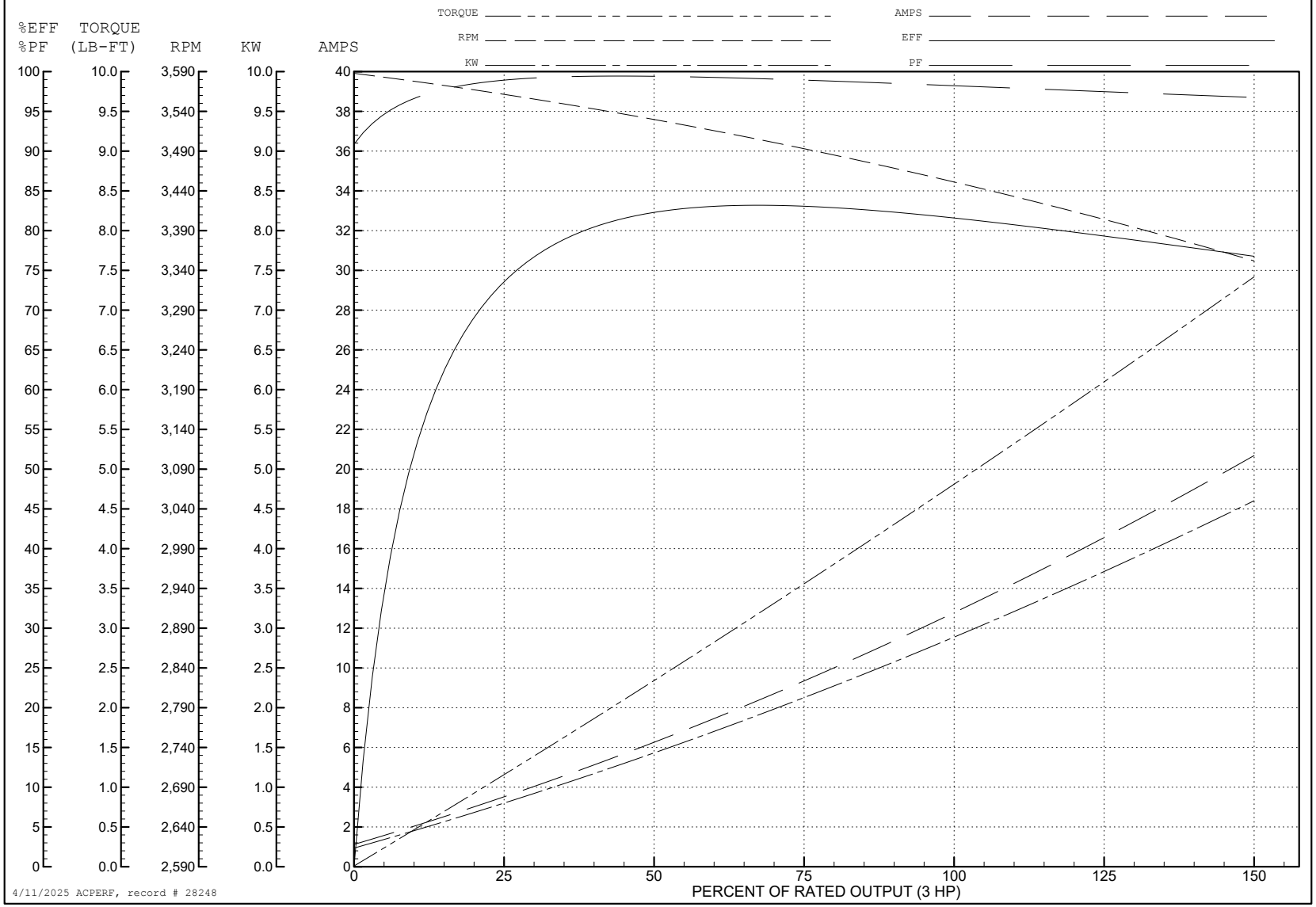
ABB Motors and Mechanical Inc.

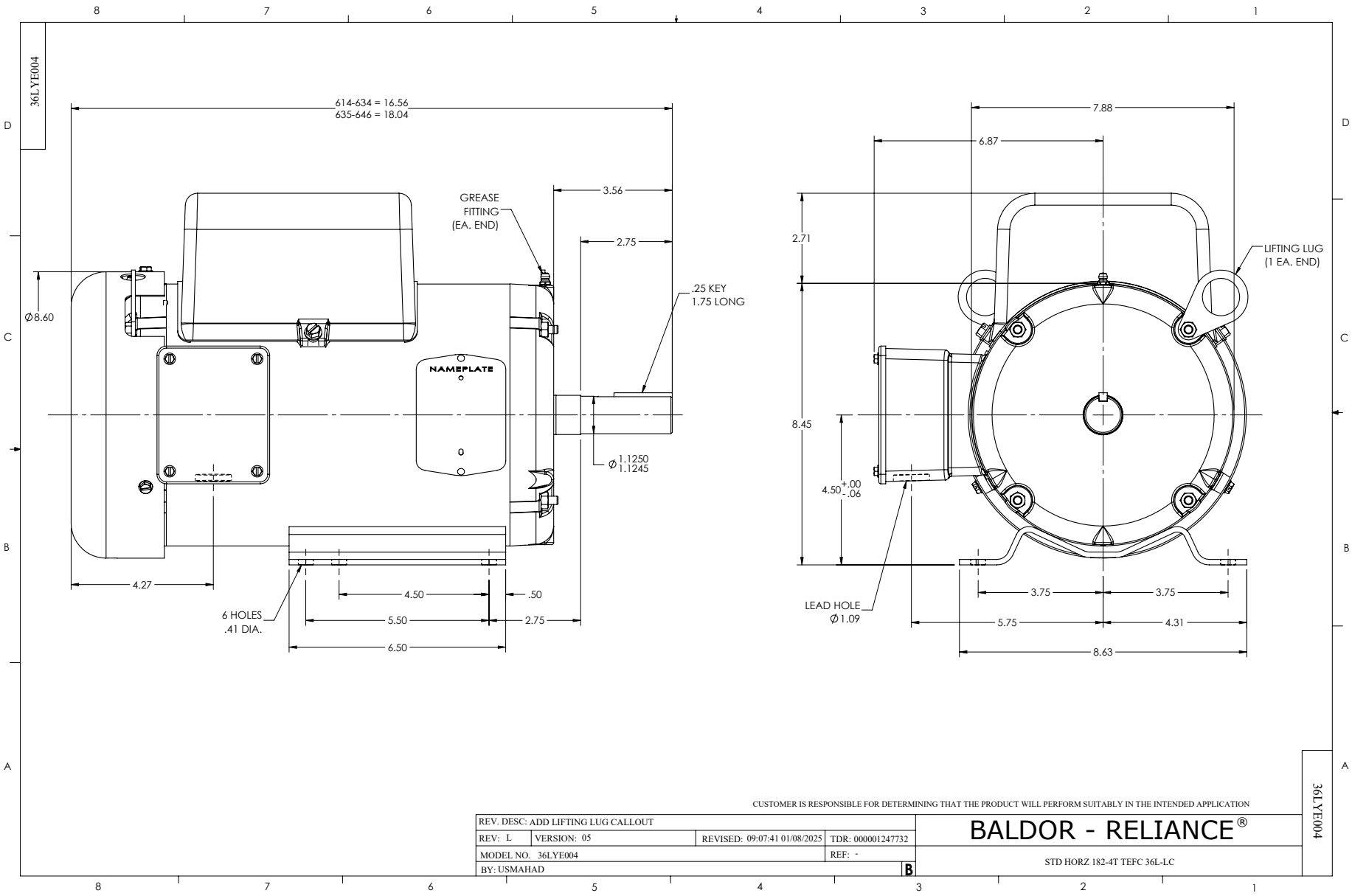
WINDING # 36WGS115

3 HP 1 PH 60 HZ 3450 RPM 230 V 3634LC

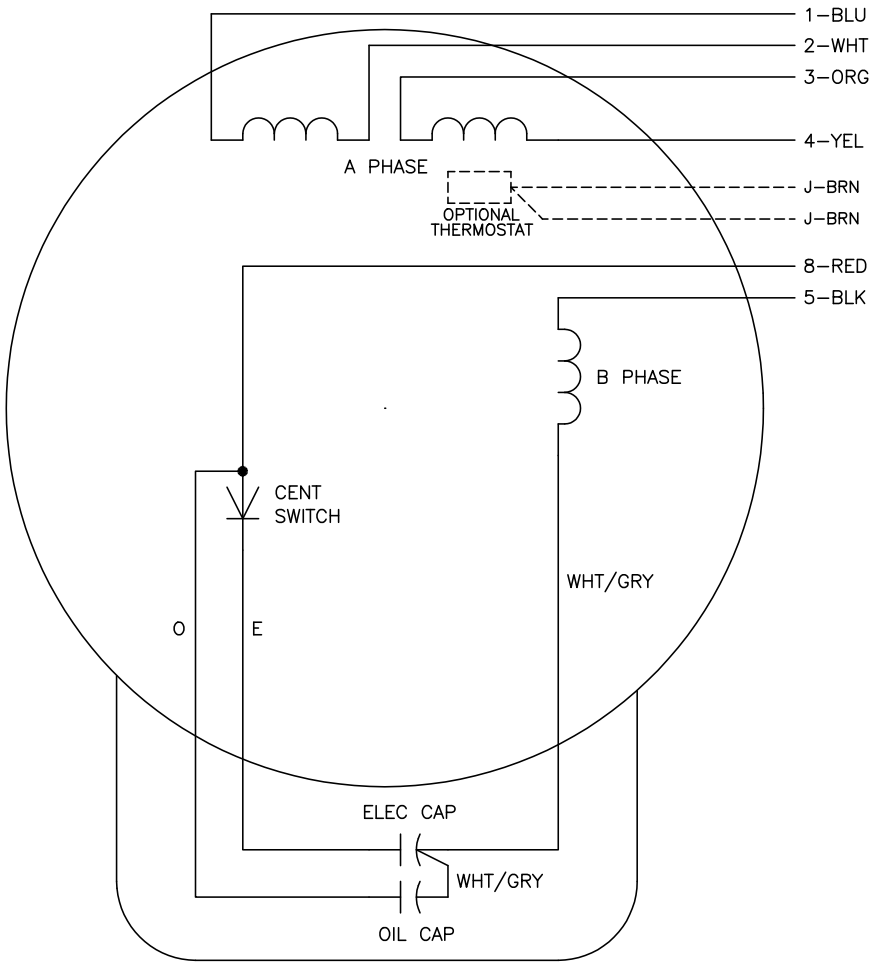
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=17.8 PU=8.01 LR=9.84 LRA=83.7




36LYE004
614-634 = 16.56
635-646 = 18.04
GREASE FITTING (EA. END)
3.56
2.75
.25 KEY
1.75 LONG
Ø8.60
NAMEPLATE
Ø 1.1250
1.1245
4.27
4.50
.50
5.50
2.75
6.50
6 HOLES
.41 DIA.
7.88
6.87
2.71
LIFTING LUG
(1 EA. END)
8.45
4.50 +.00 -.06
LEAD HOLE
Ø1.09
3.75
3.75
5.75
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD LIFTING LUG CALLOUT
REV: L
VERSION: 05
REVISED: 09:07:41 01/08/2025
TDR: 000001247732
MODEL NO. 36LYE004
REF: -
BY: USMAHAD
B
BALDOR - RELIANCE®
STD HORZ 182-4T TEFC 36L-LC
36LYE004

CD0055



	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.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
CD0055		FILE: AAA00007414	MDL: –
		MTL: –	TYPE LC, DV, REV, 6 LEADS