ABB BALDOR RELIANCE

Customer information packet

L3608T

5HP, 3450RPM, 1PH, 60HZ, 184T, 3640LC, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	184T
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	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	C UR US
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	19.500 A @ 230.0 V 22.000 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	83.0 %
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	19.5 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AU
Type	AC
Mech. spec.	36E004
Base	
Status	PRD/A
Elec. spec.	36WGW914
Layout	36LYE004
Eff. date	07-17-2025
CD Diagram	CD0017A02
Poles	02
Leads	2#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.06 IN
Power Factor	99
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

NP1256L								
CAT.NO.	L3608T							
SPEC.	36E04W914							
HP	5							
VOLTS	230							
AMP	19.5							
RPM	3450							
FRAME	184T	**HZ**	60			**PH**	1	
SER.F.	1.00	**CODE**	G	**DES**	L	**CLASS**	F	
NEMA-NOM-EFF	83	**PF**	99					
RATING	40C AMB-CONT							
CC								
DE	6206	**ODE**	6205					
ENCL	TEFC	**SN**						

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data
Record # 10881
Typical performance - not guaranteed values

Winding: 36WGW914-R001	**Type:** 3640LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	7.5 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			19.5	**Breakdown Torque**	26 LB-FT
R.P.M.			3450	**Pull-up Torque**	12.5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	15 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	128 A
Service Factor (S.F.)			1	**No-load Current**	2.3 A
NEMA Nom. Eff.	83	**Power Factor**	99	**Line-line Res. @ 25ºC**	0.38 Ω A Ph 1.02 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	93°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	98	98	98	98	97	97
Efficiency	66.4	81.5	83.9	83.9	82.1	79.2
Speed	3565	3539	3507	3472	3430	3389
Line amperes	6.5	10.4	14.9	19.6	24.7	29.9

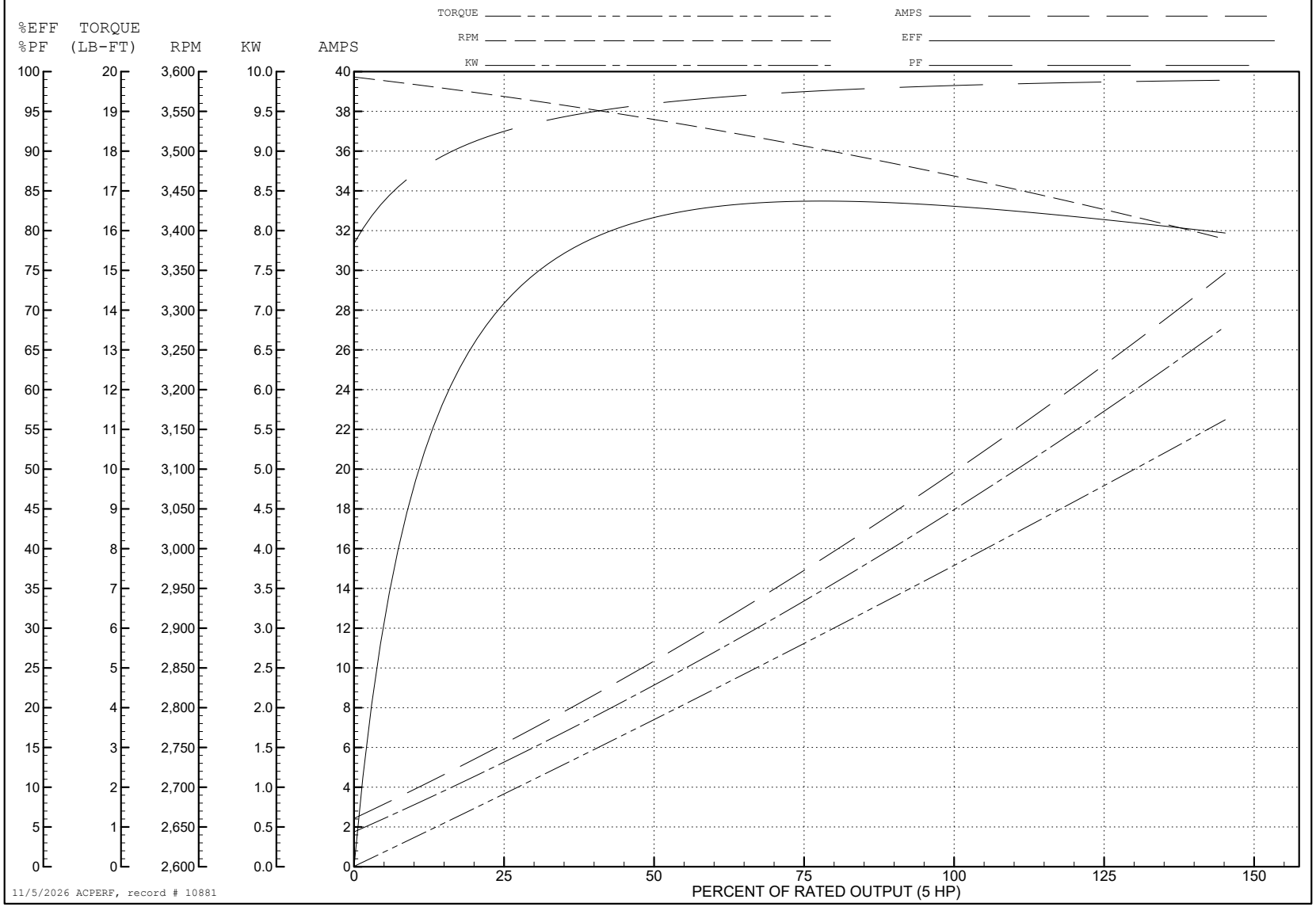
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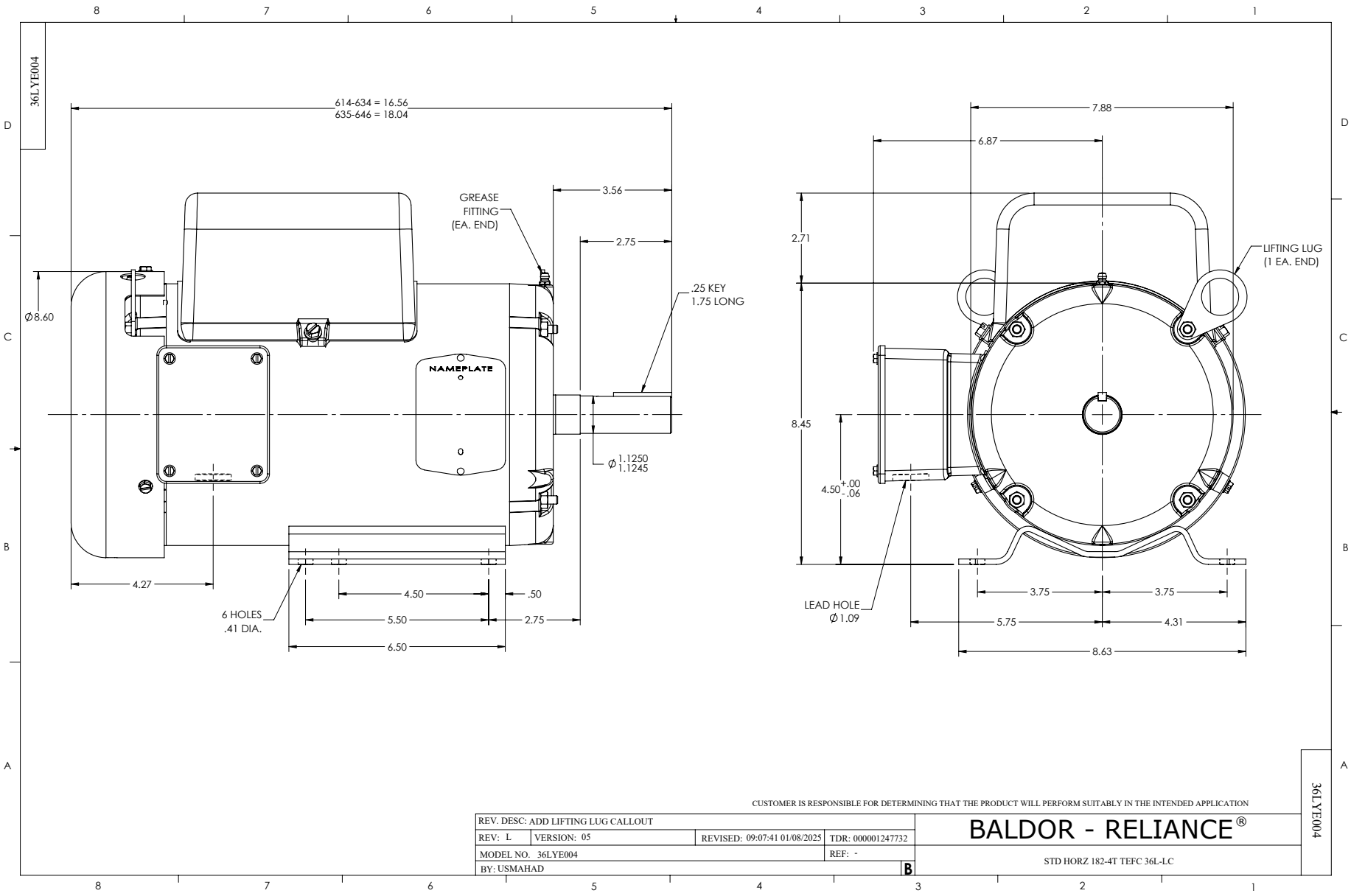
WINDING # 36WGW914

5 HP 1 PH 60 HZ 3450 RPM 230 V 3640LC

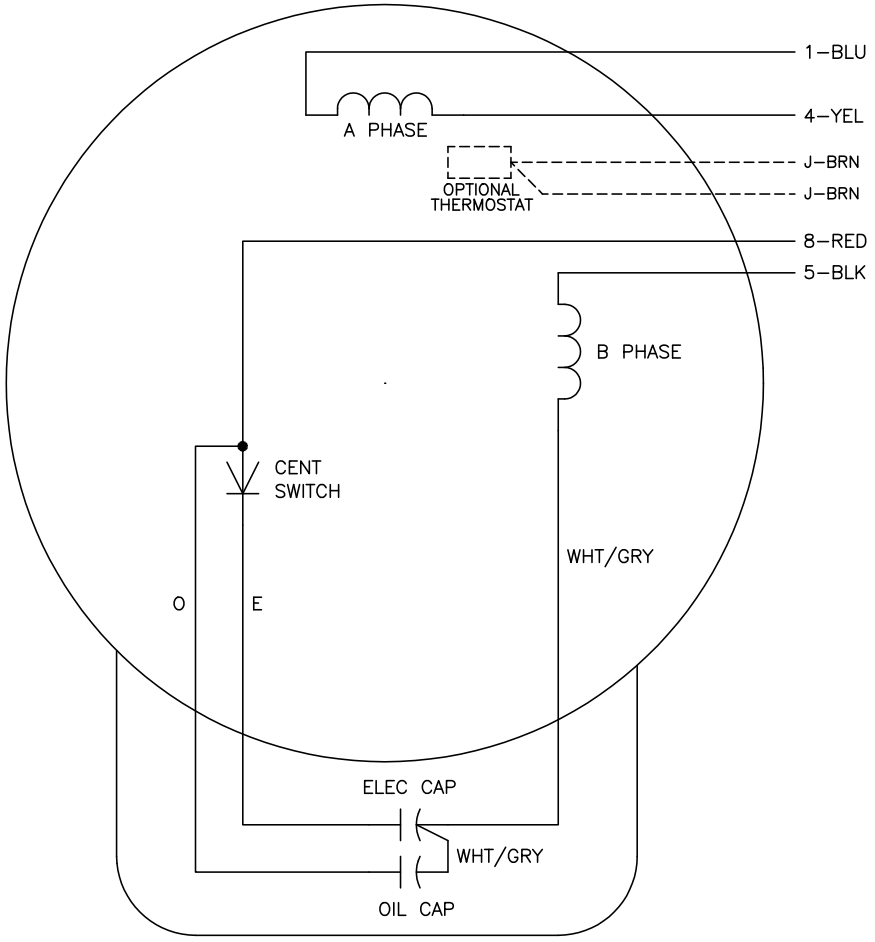
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=26 PU=12.5 LR=15 LRA=128




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
6 HOLES .41 DIA.
5.50
2.75
6.50
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

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