ABB BALDOR RELIANCE

Customer information packet

L3613T

1.5HP, 1140RPM, 1PH, 60HZ, 184T, 3634LC, TEFC
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	1.500 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	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	16.400 A @ 115.0 V
	8.200 A @ 230.0 V
	8.600 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	73.0 %
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	8.2 a

Part Detail

Revision	AZ
Type	AC
Mech. spec.	36E004
Base	
Status	PRD/A
Elec. spec.	36WGW839
Layout	36LYE004
Eff. date	07-17-2025
CD Diagram	CD0055
Poles	06
Leads	6#16
Proprietary	False
Created date	01-01-0001

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	Standard 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	3634LC
Mounting Arrangement	F1
Number of Poles	6
Overall Length	16.56 IN
Power Factor	81
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	1.125 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.	L3613T								
SPEC.	36E04W839								
HP	1.5								
VOLTS	115/230								
AMP	16.4/8.2								
RPM	1140								
FRAME	184T	**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	J	**DES**	L	**CLASS**	F		
NEMA-NOM-EFF	73	**PF**	81						
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 # 44641
Typical performance - not guaranteed values

Winding: 36WGW839-R001	**Type:** 3634LC	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)		1.5	
Volts		115/230	
Full Load Amps		16.4/8.2	
R.P.M.		1140	
Hz	60 **Phase**	1	
NEMA Design Code	L **KVA Code**	J	
Service Factor (S.F.)		1.15	
NEMA Nom. Eff.	73 **Power Factor**	81	
Rating - Duty		40C AMB-CONT	
S.F. Amps			

230 V, 60 Hz: High Voltage Connection	
Full Load Torque	6.8 LB-FT
Start Configuration	direct on line
Breakdown Torque	16 LB-FT
Pull-up Torque	11 LB-FT
Locked-rotor Torque	15 LB-FT
Starting Current	84 A
No-load Current	4.1 A
Line-line Res. @ 25ºC	0.403 Ω A Ph 1.01 Ω B Ph
Temp. Rise @ Rated Load	76°C
Temp. Rise @ S.F. Load	90°C
Rotor inertia	0.319 LB-FT2

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	53	68	76	81	81	80	81
Efficiency	51.4	66.5	72.4	74.3	73.8	70.7	74
Speed	1188	1179	1168	1156	1140	1117	1146
Line amperes	4.6	5.5	6.5	8.2	10	12.5	9.2

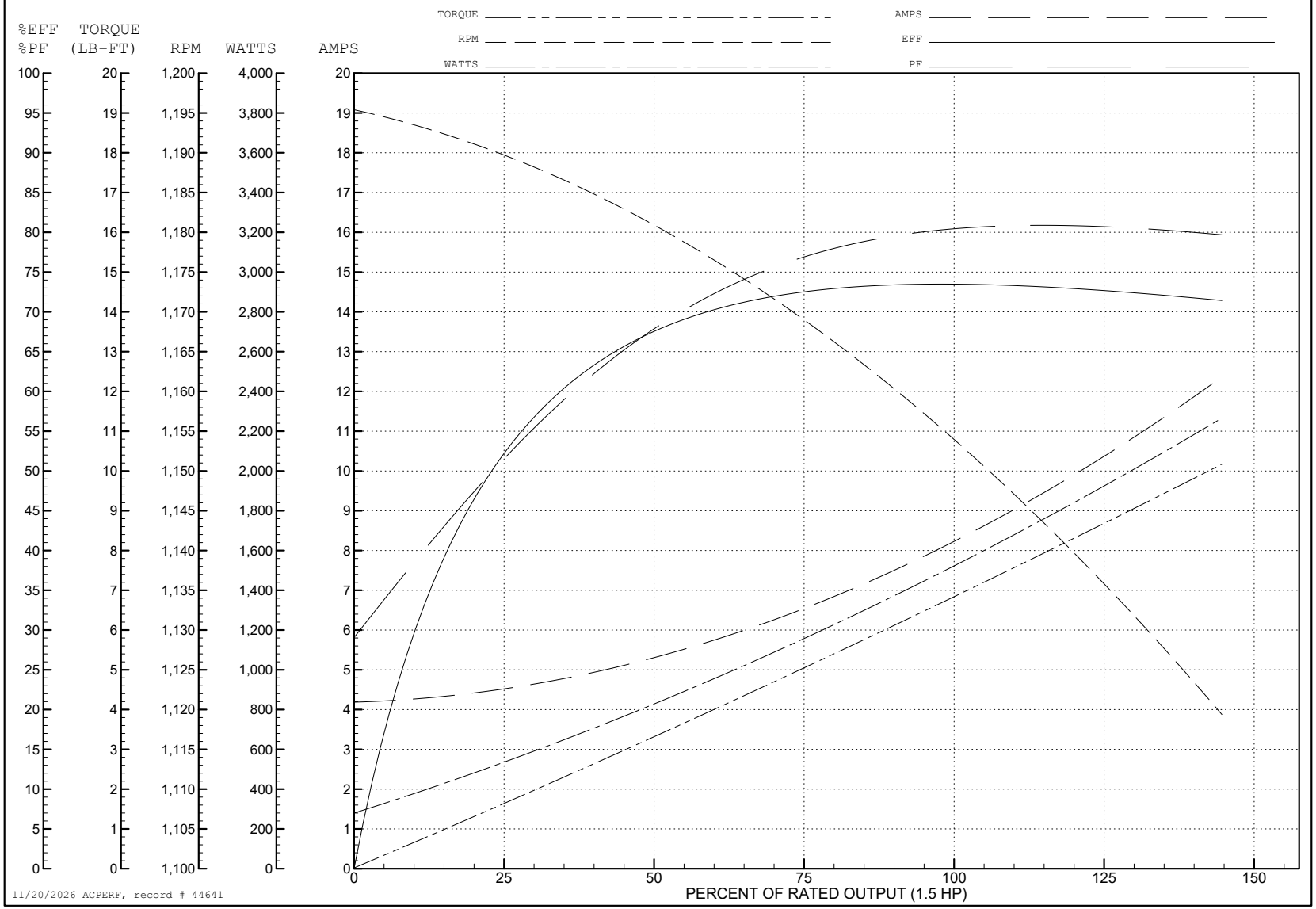
ABB Motors and Mechanical Inc.

WINDING # 36WGW839

1.5 HP 1 PH 60 HZ 1140 RPM 230 V 3634LC

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=16 PU=11 LR=15 LRA=84



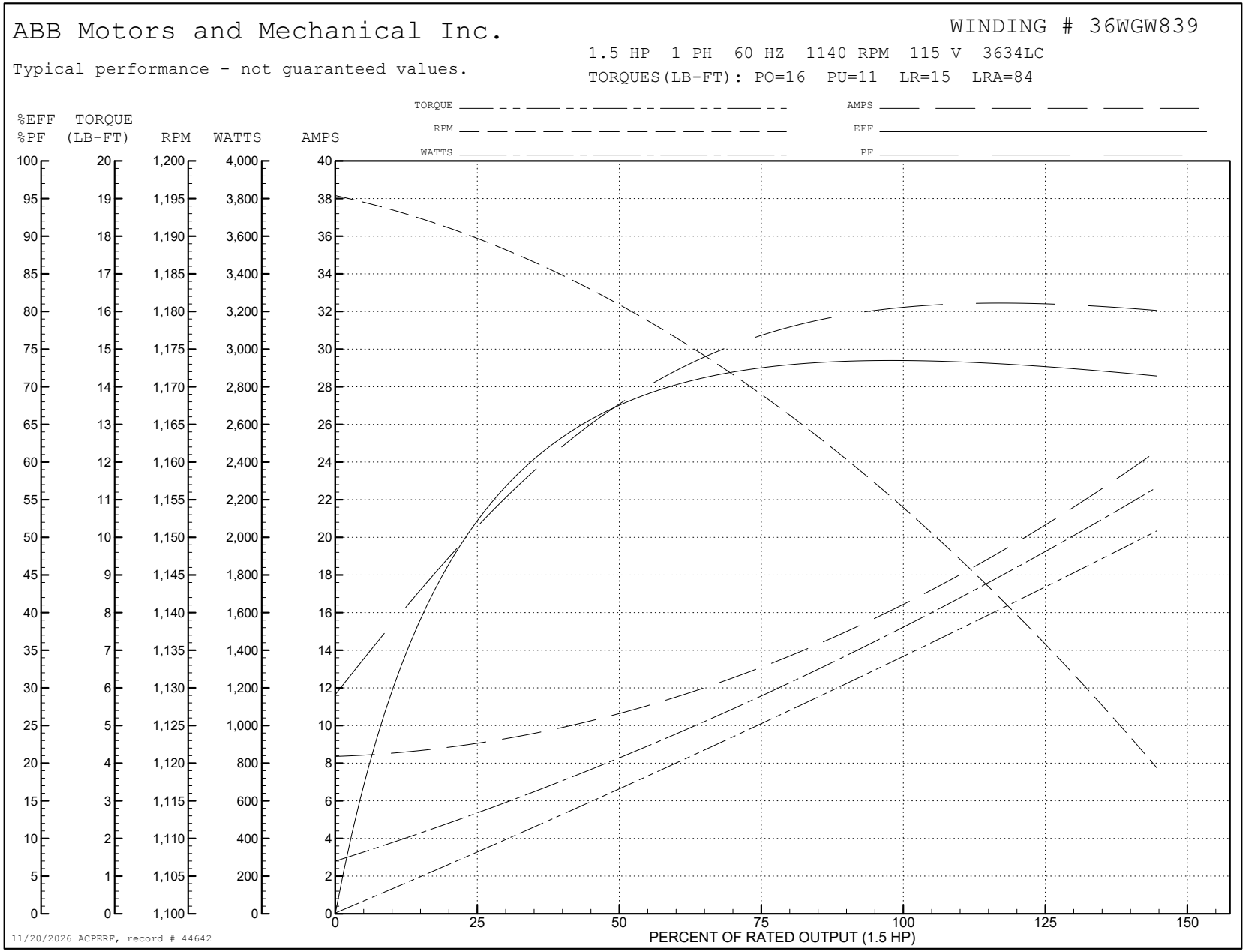
AC Induction Motor Performance Data
Record # 44642
Typical performance - not guaranteed values

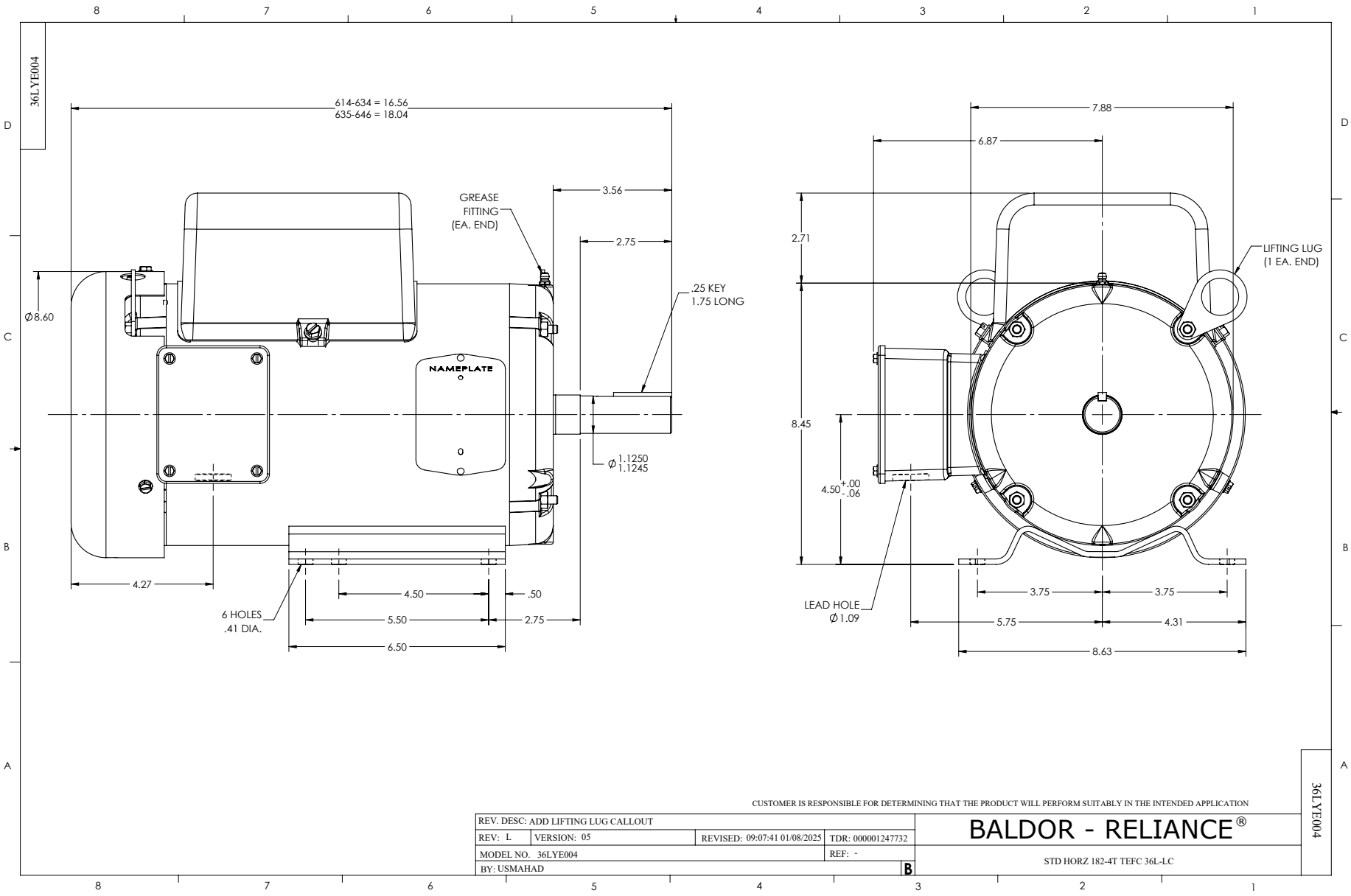
Winding: 36WGW839-R001	**Type:** 3634LC	**Enclosure:** TEFC

Nameplate Data			**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)		1.5	**Full Load Torque**	6.8 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		16.4/8.2	**Breakdown Torque**	16 LB-FT
R.P.M.		1140	**Pull-up Torque**	11 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	15 LB-FT
NEMA Design Code	L **KVA Code**	J	**Starting Current**	84 A
Service Factor (S.F.)		1.15	**No-load Current**	8.2 A
NEMA Nom. Eff.	73 **Power Factor**	81	**Line-line Res. @ 25ºC**	0.403 Ω A Ph 1.01 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	76°C
S.F. Amps			**Temp. Rise @ S.F. Load**	90°C
			Rotor inertia	0.319 LB-FT2

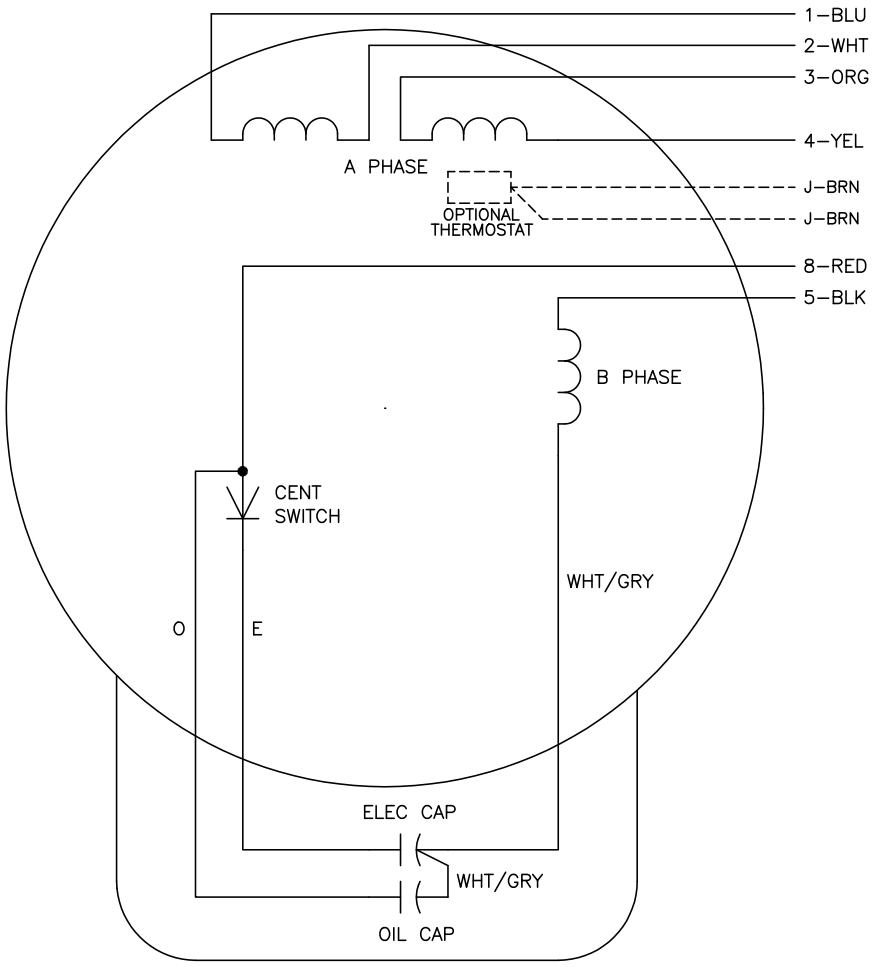
Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	53	68	76	81	81	80	81
Efficiency	51.4	66.5	72.4	74.3	73.8	70.7	74
Speed	1188	1179	1168	1156	1140	1117	1146
Line amperes	9.2	10.9	13.3	16.2	19.9	24.9	18.4


ABB Motors and Mechanical Inc.
WINDING # 36WGW839
1.5 HP 1 PH 60 HZ 1140 RPM 115 V 3634LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=16 PU=11 LR=15 LRA=84
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
11/20/2026 ACPERF, record # 44642


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

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