Customer information packet

FDL3611TM

2HP, 1725RPM, 1PH, 60HZ, 182T, 3634L, TEFC, F1
Class - None
Division - Not Applicable

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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, Induction Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 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 @ 230.0 V
	28.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.0 %
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	14.0 a

Part Detail

Revision	M
Type	AC
Mech. spec.	36Q168
Base	
Status	PRD/A
Elec. spec.	36WG3444
Layout	36LYQ168
Eff. date	07-25-2024
CD Diagram	CD0008
Poles	04
Leads	4#14 A&J,2#16 B PH,1#10 #4TH
Proprietary	False
Created date	12-12-2013

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
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&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.55 IN
Power Factor	67
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
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	Shaft Slinger
Speed	1725 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	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP1280L									
CAT.NO.	FDL3611TM								
SPEC.	36Q168-3444G1								
HP	2								
VOLTS	115/230								
AMP	28/14								
RPM	1725								
FRAME	182T	**HZ**	60		**PH**	1			
SER.F.	1.00	**CODE**	J	**DES**	L	**CL**	F		
NEMA-NOM-EFF	75	**PF**	67						
RATING	40C AMB-CONT								
CC									
DE	6206	**ODE**	6205						
ENCL	TEFC	**SN**							

Accessories

Part number	Description	Multiplier
36-3301FD	C FACE KIT FARM DUTY 182-4TC ENCL, 6206	P1
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data
Record # 61428
Typical performance - not guaranteed values

Winding: 36WG3444-R003	**Type:** 3634L	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	6 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			28/14	**Breakdown Torque**	23 LB-FT
R.P.M.			1725	**Pull-up Torque**	22 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	27 LB-FT
NEMA Design Code	L	**KVA Code**	J	**Starting Current**	105 A
Service Factor (S.F.)			1	**No-load Current**	8.5 A
NEMA Nom. Eff.	75	**Power Factor**	67	**Line-line Res. @ 25ºC**	0.732 Ω A Ph 0.396 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	86°C

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	43	57	68	76	81	84
Efficiency	47	62	68	71	71.5	71
Speed	1786	1776	1765	1754	1740	1725
Line amperes	8.8	9.7	10.8	12.3	14.2	16.4

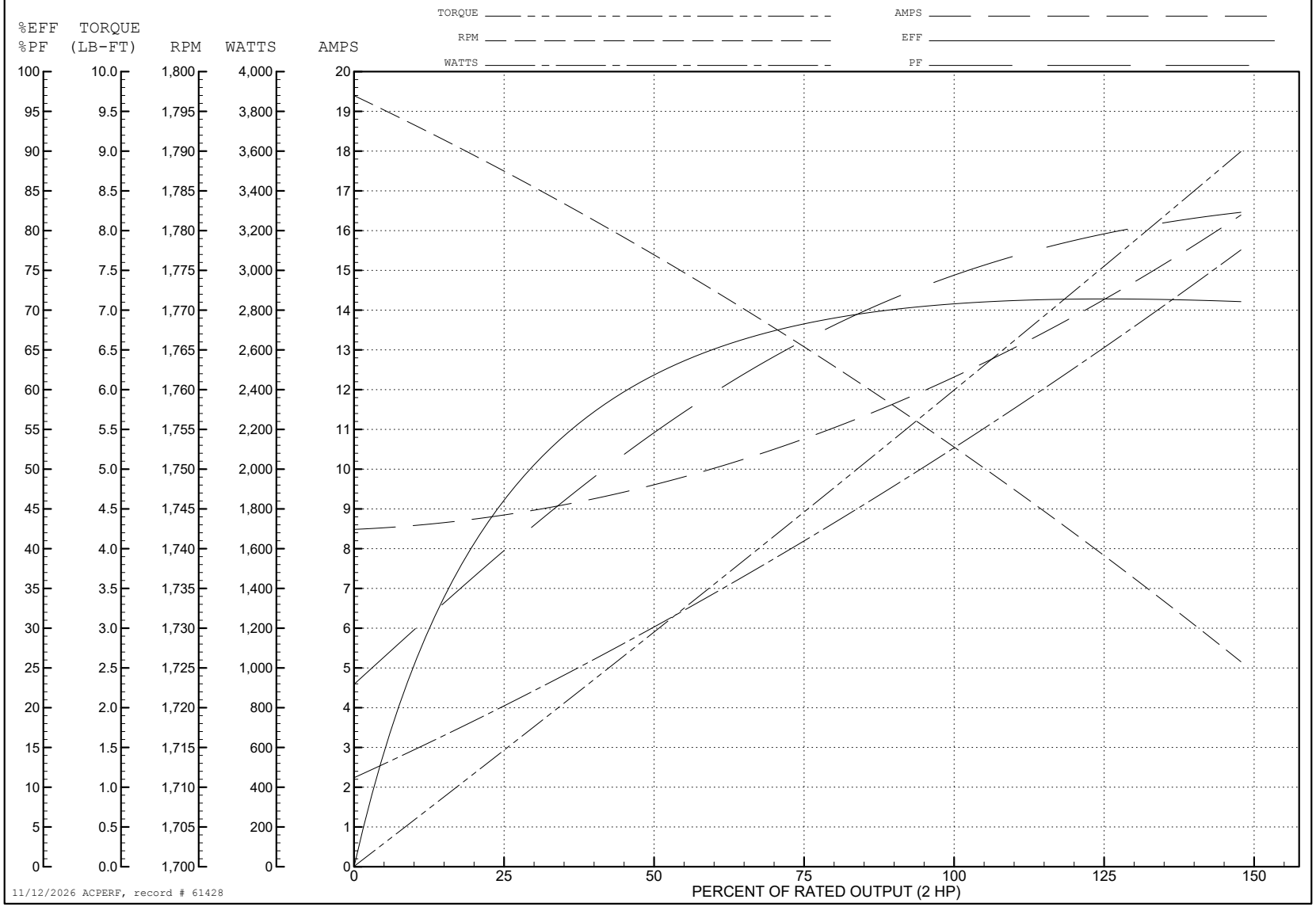
ABB Motors and Mechanical Inc.

WINDING # 36WG3444

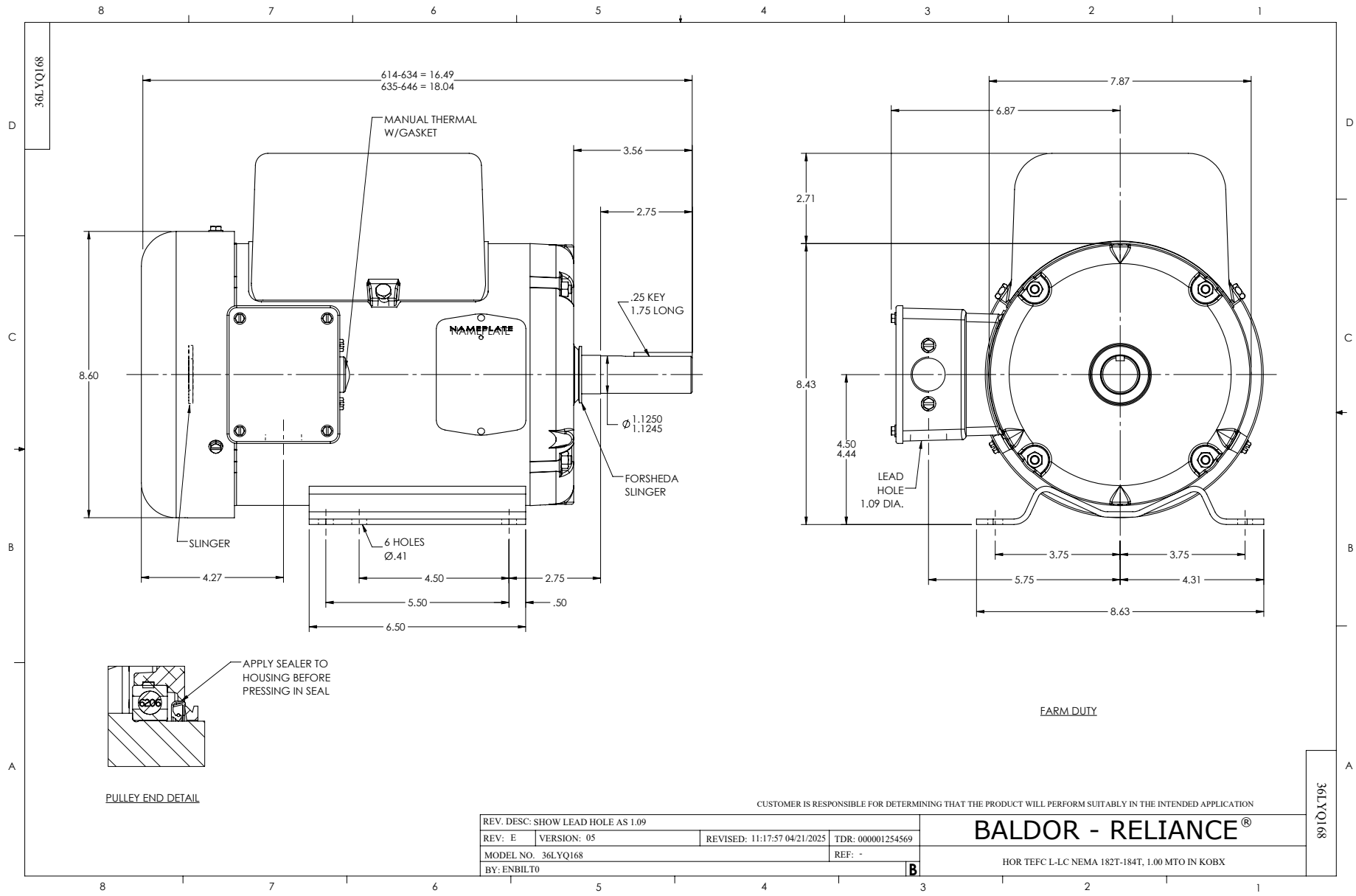
2 HP 1 PH 60 HZ 1725 RPM 230 V 3634L

Typical performance - not guaranteed values.

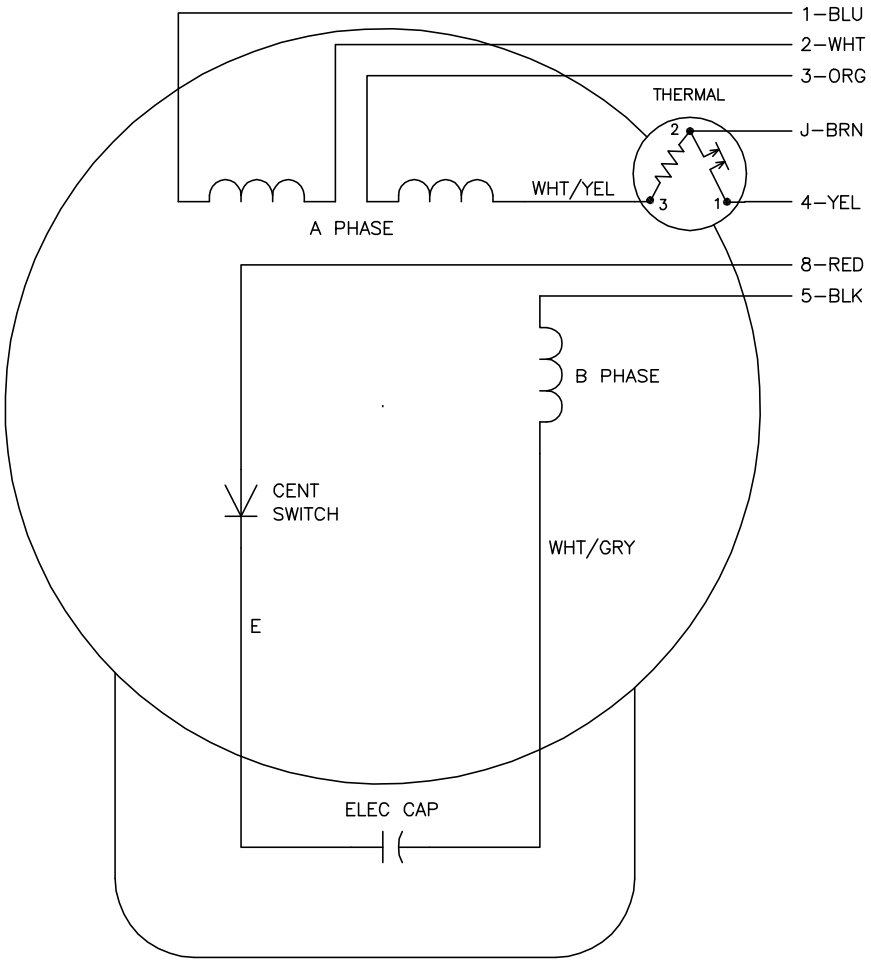
TORQUES(LB-FT): PO=23 PU=22 LR=27 LRA=105



11/12/2026 ACPERF, record # 61428


36LYQ168
614-634 = 16.49
635-646 = 18.04
MANUAL THERMAL
W/GASKET
3.56
2.75
.25 KEY
1.75 LONG
NAMEPLATE
8.60
Ø 1.1250
1.1245
FORSHEDA
SLINGER
SLINGER
6 HOLES
Ø.41
4.27
4.50
2.75
5.50
.50
6.50
7.87
6.87
2.71
8.43
4.50
4.44
LEAD
HOLE
1.09 DIA.
3.75
3.75
5.75
4.31
8.63
APPLY SEALER TO
HOUSING BEFORE
PRESSING IN SEAL
6206
PULLEY END DETAIL
FARM DUTY
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: SHOW LEAD HOLE AS 1.09
REV: E
VERSION: 05
REVISED: 11:17:57 04/21/2025
TDR: 000001254569
MODEL NO. 36LYQ168
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
HOR TEFC L-LC NEMA 182T-184T, 1.00 MTO IN KOBX
36LYQ168

CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	–	2,J,5
LOW OPP	1,3,5	4	–	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0008

REV. DESC: REMOVE 2–TERMINAL THERMAL DETAIL, SEE CD0008A02			BALDOR ELECTRIC Co.
REV. LTR: F	VERSION: 01	TDR: 000000360649	
CD0008	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005	TYPE L, DV, REV, THERMAL, 7 LEADS
	MTL: –	BY: ENJOEP0	