ABB BALDOR RELIANCE

Customer information packet

XL181542

1.5HP, 1725RPM, 1PH, 60HZ, 184, 3628L, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	184
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	115.0 V @ 60 HZ
Agency Approvals	CSA
	UL
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	9.500 A @ 230.0 V
	19.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part Detail

Revision	AS
Type	AC
Mech. spec.	36N007
Base	
Status	PRD/A
Elec. spec.	36WG0079
Layout	36LYN007
Eff. date	10-10-2025
CD Diagram	CD0001
Poles	04
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	9.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
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	X3628L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.92 IN
Power Factor	70
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2	None

Nameplate

NP1426XPSL							
NO.		**CC**					
SER.							
SPEC.	36N07-79						
CAT.NO.	XL181542						
HP	1.5	**T. CODE**	T3C				
VOLTS	115/230						
AMPS	19/9.5						
RPM	1725						
HZ	60	**PH**	1	**CL**	F		
SER.F.	1.15	**DES**	L	**CODE**	L		
RATING	40C AMB-CONT						
FRAME	184			**NEMA-NOM-EFF**	70		
		PF	70				
BLANK							

AC Induction Motor Performance Data
Record # 96049
Typical performance - not guaranteed values

Winding: 36WG0079-R011	**Type:** 3628L	**Enclosure:** XPFC

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	4.5 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			19/9.5	**Breakdown Torque**	14 LB-FT
R.P.M.			1725	**Pull-up Torque**	12 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	16 LB-FT
NEMA Design Code	L	**KVA Code**	L	**Starting Current**	68 A
Service Factor (S.F.)			1.15	**No-load Current**	7.1 A
NEMA Nom. Eff.	70	**Power Factor**	70	**Line-line Res. @ 25ºC**	1.16 Ω A Ph 0.581 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	67°C
S.F. Amps				**Temp. Rise @ S.F. Load**	76°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	50	61	68	75	79	72
Efficiency	56.2	66.9	72.6	77.7	76.2	72.8	76.8
Speed	1784	1776	1764	1754	1742	1727	1747
Line amperes	7.3	7.8	8.8	9.6	10.9	12.6	10.4

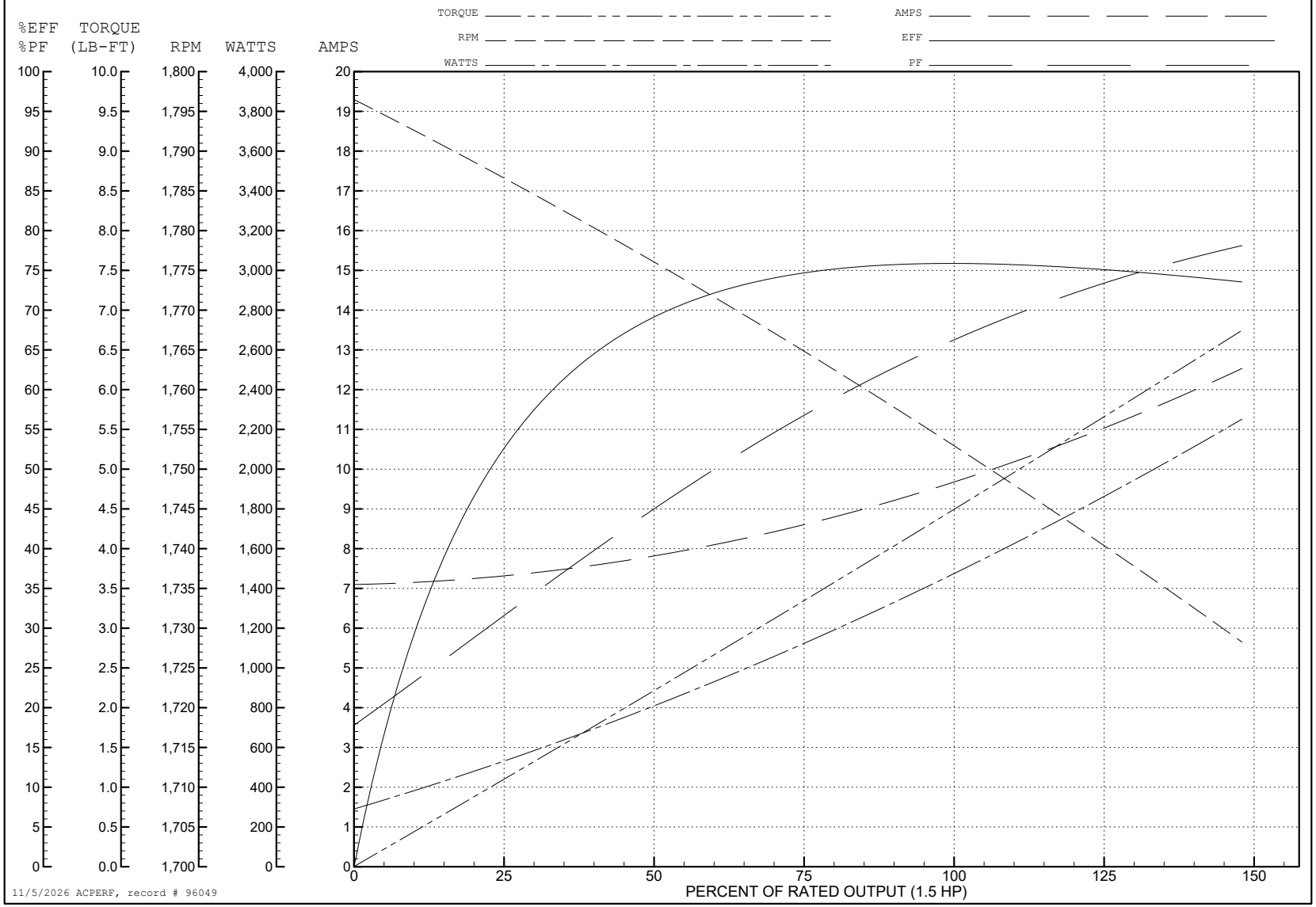
ABB Motors and Mechanical Inc.

WINDING # 36WG0079

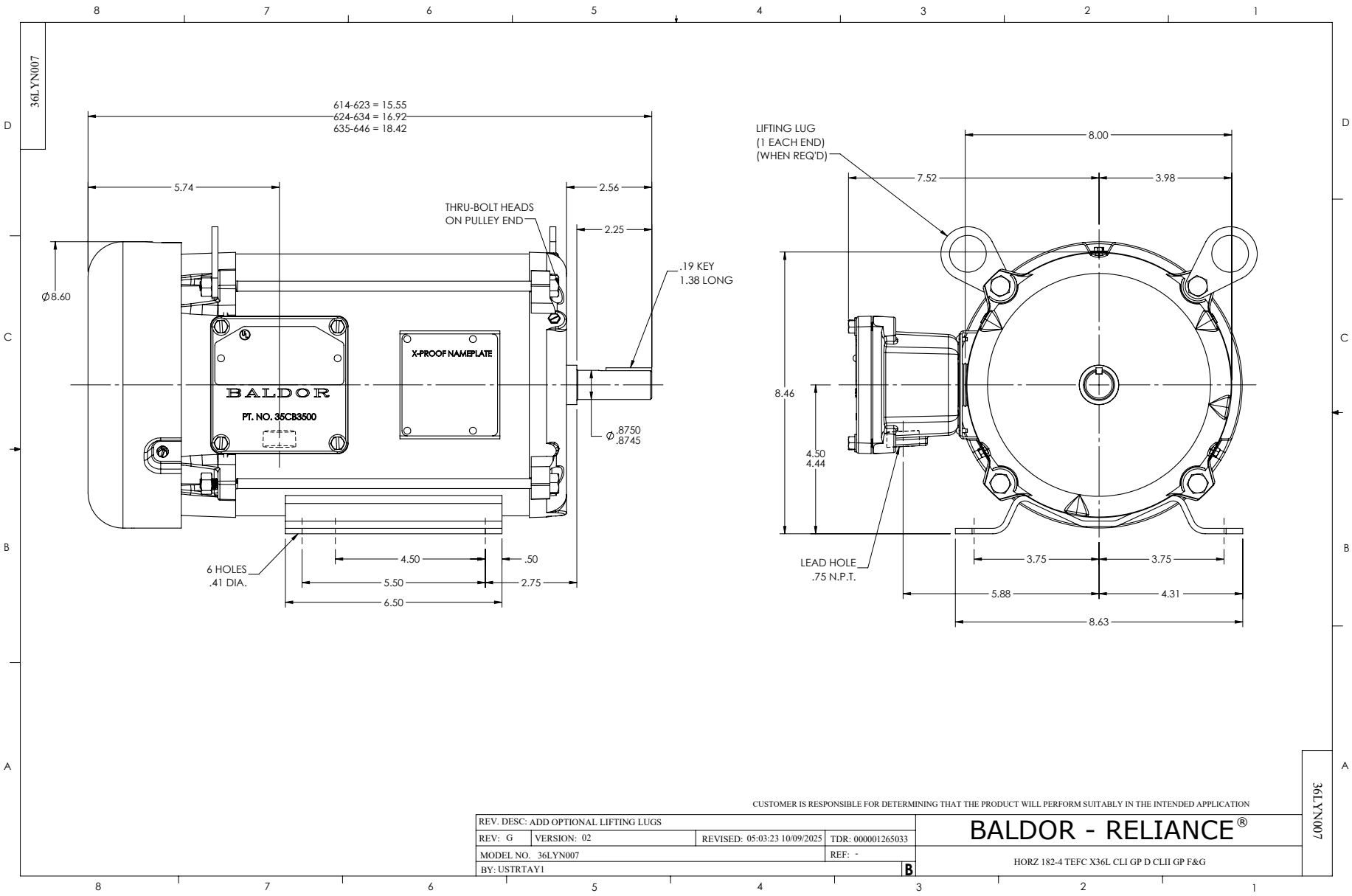
1.5 HP 1 PH 60 HZ 1725 RPM 230 V 3628L

Typical performance - not guaranteed values.

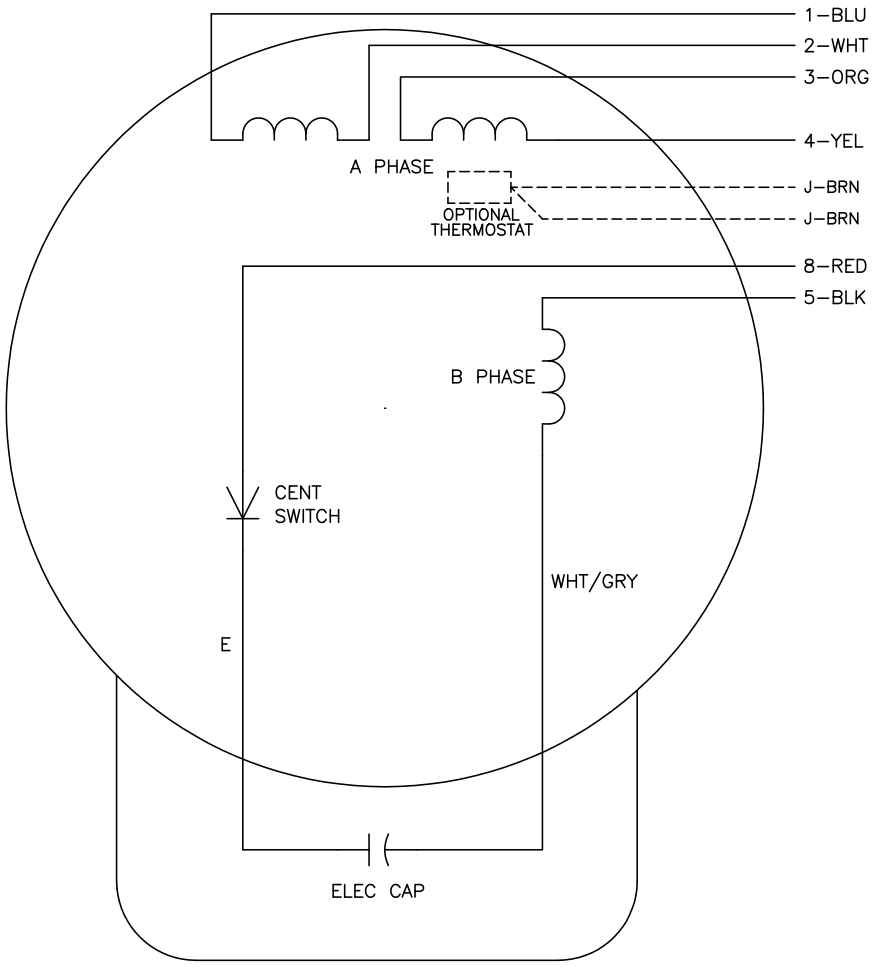
TORQUES(LB-FT): PO=14 PU=12 LR=16 LRA=68



11/5/2026 ACPERF, record # 96049


36LYN007
614-623 = 15.55
624-634 = 16.92
635-646 = 18.42
5.74
2.56
2.25
THRU-BOLT HEADS
ON PULLEY END
.19 KEY
1.38 LONG
Ø8.60
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø .8750
.8745
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
LIFTING LUG
(1 EACH END)
(WHEN REQ'D)
8.00
7.52
3.98
8.46
4.50
4.44
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.88
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD OPTIONAL LIFTING LUGS
REV: G
VERSION: 02
REVISED: 05:03:23 10/09/2025
TDR: 000001265033
MODEL NO. 36LYN007
REF: -
BY: USTRTAY1
B
BALDOR - RELIANCE®
HORZ 182-4 TEFC X36L CLI GP D CLII GP F&G
36LYN007

CD0001



	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.

CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	TYPE L, DV, REV, 6 LEADS