ABB BALDOR RELIANCE

Customer information packet

XL18322T

3HP, 3450RPM, 1PH, 60HZ, 184T, 3634L, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	184T
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	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	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	14.500 A @ 230.0 V
	29.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	76.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	14.5 a
Insulation Class	F

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGA0038
Layout	36LYN003
Eff. date	02-22-2024
CD Diagram	CD0001
Poles	02/02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	04-28-2021

IP Rating	NONE
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	17.42 IN
Power Factor	87
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3450 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.	36-0000-0518						
CAT.NO.	XL18322T						
HP	3	**T. CODE**	T3C				
VOLTS	115/230						
AMPS	29/14.5						
RPM	3450						
HZ	60	**PH**	1	**CL**	F		
SER.F.	1.15	**DES**	L	**CODE**	G		
RATING	40C AMB-CONT						
FRAME	184T	**NEMA-NOM-EFF**	76				
	PF	87					
BLANK	NEMA MG-1 PART 5, IP54						

AC Induction Motor Performance Data
Record # 88067
Typical performance - not guaranteed values

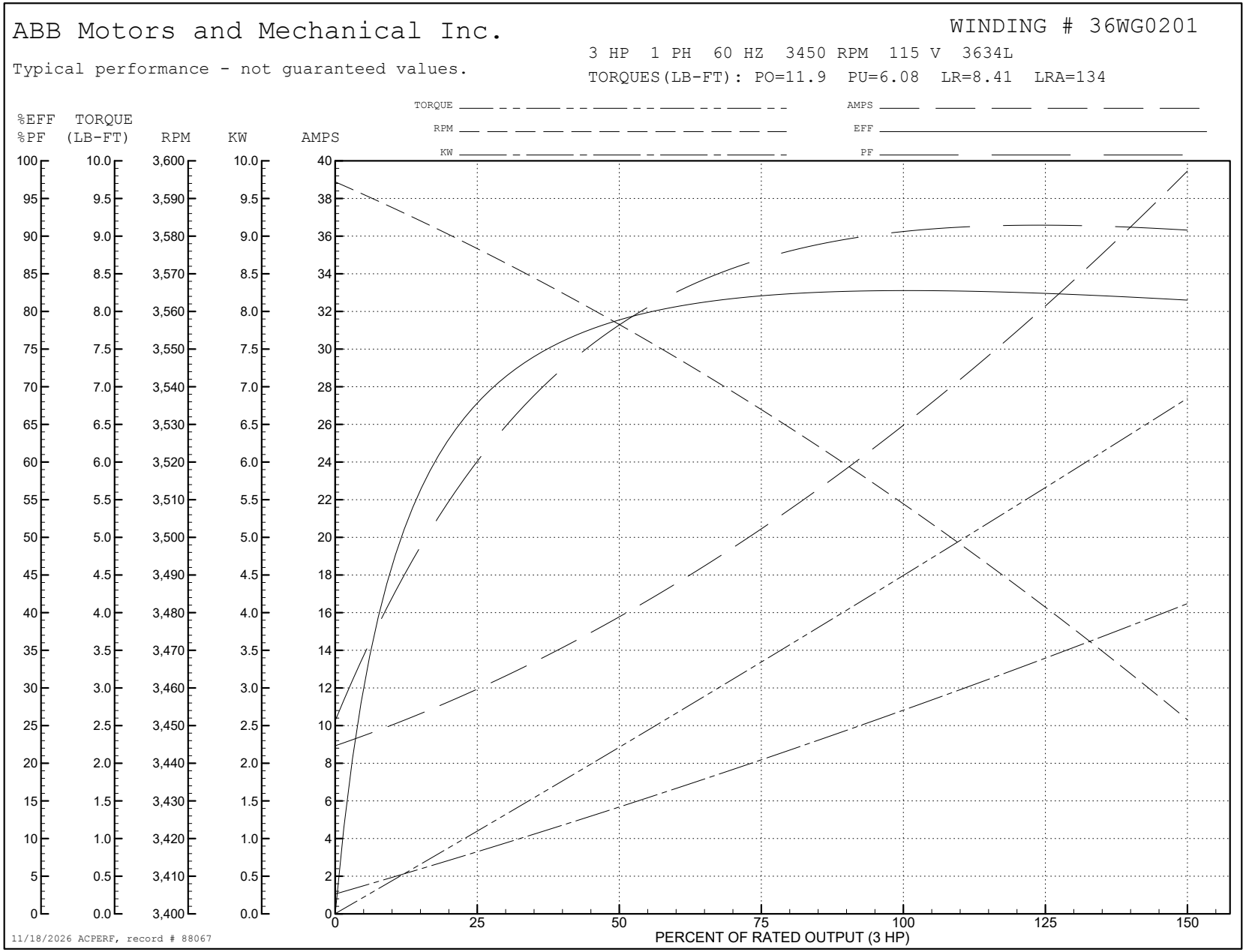
Winding: 36WG0201	**Type:** 3634L	**Enclosure:** XPFC

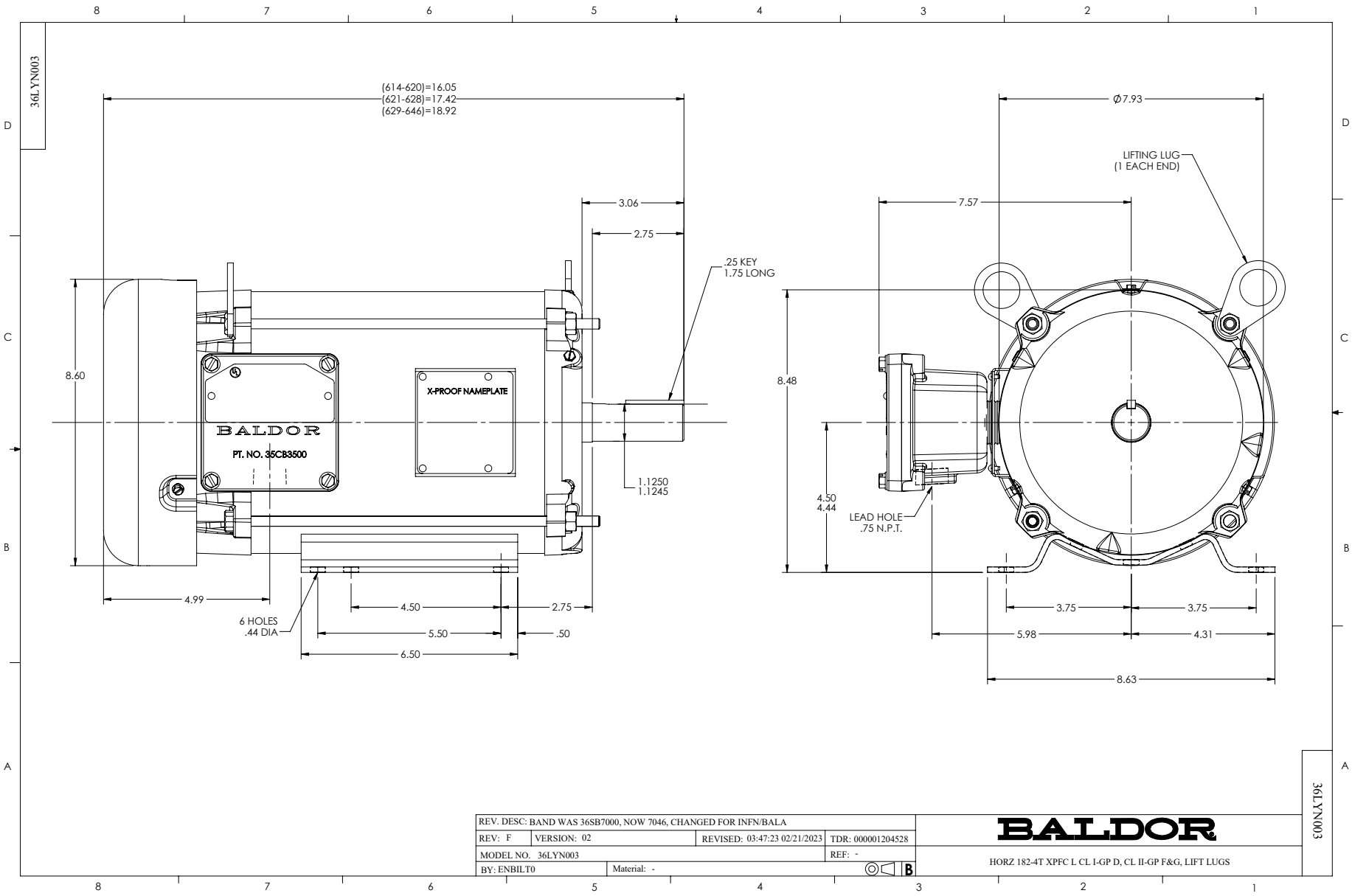
Nameplate Data			
Rated Output (HP)			3
Volts			115/230
Full Load Amps			28.6/14.3
R.P.M.			3450
Hz	60	**Phase**	1
NEMA Design Code	L	**KVA Code**	H
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	76	**Power Factor**	87
Rating - Duty			40C AMB-CONT
S.F. Amps			33.2/16.6

115 V, 60 Hz: Low Voltage Connection	
Full Load Torque	4.5 LB-FT
Start Configuration	Unknown
Breakdown Torque	11.9 LB-FT
Pull-up Torque	6.08 LB-FT
Locked-rotor Torque	8.41 LB-FT
Starting Current	134 A
No-load Current	9.19 A
Line-line Res. @ 25ºC	0.156 Ω A Ph 0.85 Ω B Ph
Temp. Rise @ Rated Load	63°C
Temp. Rise @ S.F. Load	73°C
Locked-rotor Power Factor	76.3
Rotor inertia	0.153 lb-ft²

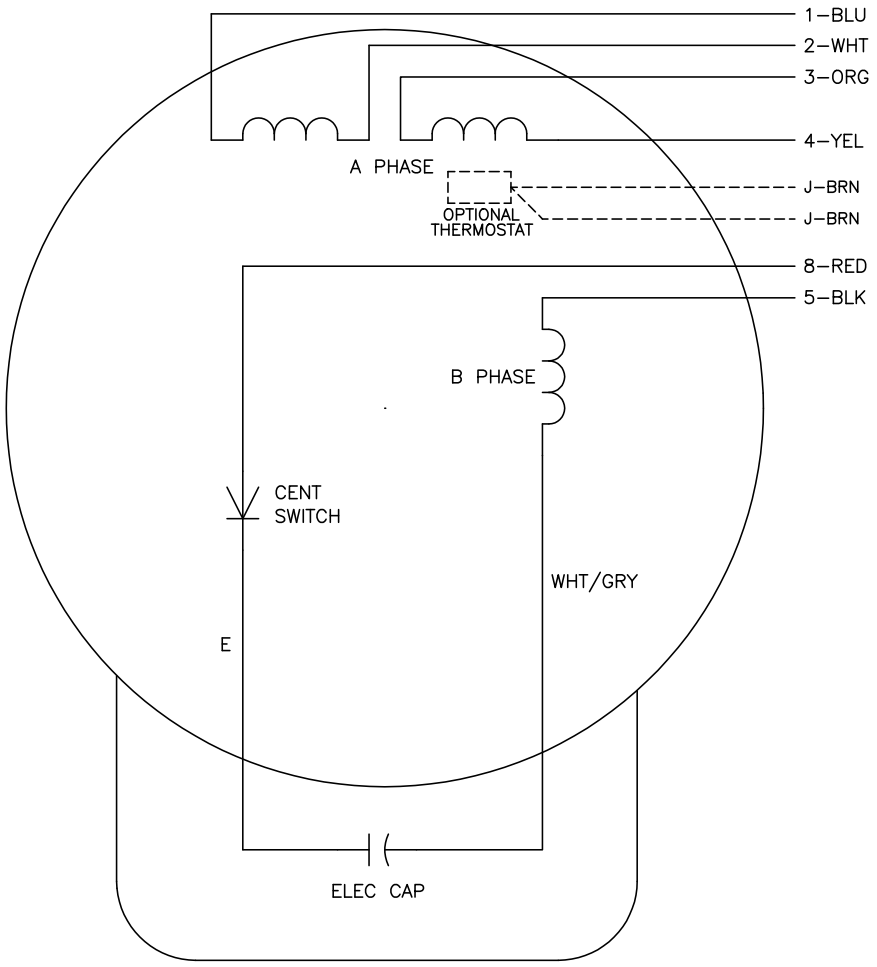
Load Characteristics 115 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	79	87	90	91	91	91
Efficiency	67.4	78.5	82	82.9	82.6	81.4	82.7
Speed	3576	3556	3534	3509	3482	3451	3493
Line amperes	11.6	15.6	20.6	26.2	32.4	39.3	29.9


ABB Motors and Mechanical Inc.
WINDING # 36WG0201
3 HP 1 PH 60 HZ 3450 RPM 115 V 3634L
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=11.9 PU=6.08 LR=8.41 LRA=134
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3 HP)
11/18/2026 ACPERF, record # 88067


36LYN003
(614-620)=16.05
(621-628)=17.42
(629-646)=18.92
3.06
2.75
.25 KEY
1.75 LONG
8.60
BALDOR
PT. NO. 35CB3500
X-PROOF NAMEPLATE
1.1250
1.1245
4.99
4.50
2.75
6 HOLES
.44 DIA
5.50
.50
6.50
Ø7.93
LIFTING LUG
(1 EACH END)
7.57
8.48
4.50
4.44
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.98
4.31
8.63
REV. DESC: BAND WAS 36SB7000, NOW 7046, CHANGED FOR INFN/BALA
REV: F
VERSION: 02
REVISED: 03:47:23 02/21/2023
TDR: 000001204528
MODEL NO. 36LYN003
REF: -
BY: ENBILT0
Material: -
B
BALDOR
HORZ 182-4T XPFC L CL I-GP D, CL II-GP F&G, LIFT LUGS
36LYN003

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