Customer information packet

CXL18322T

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

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Specifications

Enclosure	XPFC
Frame	184TC
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	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGA0038
Layout	36LY-000-114
Eff. date	02-22-2024
CD Diagram	CD0001
Poles	02/02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	04-14-2021

IP Rating	NONE
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.86 IN
Power Factor	87
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
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.	36-0000-0506						
CAT.NO.	CXL18322T						
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	184TC	**NEMA-NOM-EFF**	76				
		PF	87				
BLANK	NEMA MG-1 PART 5, IP54						

AC Induction Motor Performance Data
Record # 87419
Typical performance - not guaranteed values

Winding: 36WG0201-R002	**Type:** 3634L	**Enclosure:** XPFC

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	4.572 LB-FT
Volts			115/230	**Start Configuration**	Unknown
Full Load Amps			29/14.5	**Breakdown Torque**	18.3 LB-FT
R.P.M.			3450	**Pull-up Torque**	4.87 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	9.66 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	89.9 A
Service Factor (S.F.)			1	**No-load Current**	5.74 A
NEMA Nom. Eff.	76	**Power Factor**	87	**Line-line Res. @ 25ºC**	0.59911 Ω A Ph 0.89 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	67°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	60	75	83	88	89	90
Efficiency	59.7	71.7	75.5	76	75.6	73.5
Speed	3568.9	3546.5	3521.5	3449	3455	3409.8
Line amperes	7.18	9.31	11.8	14.55	18.3	21.9

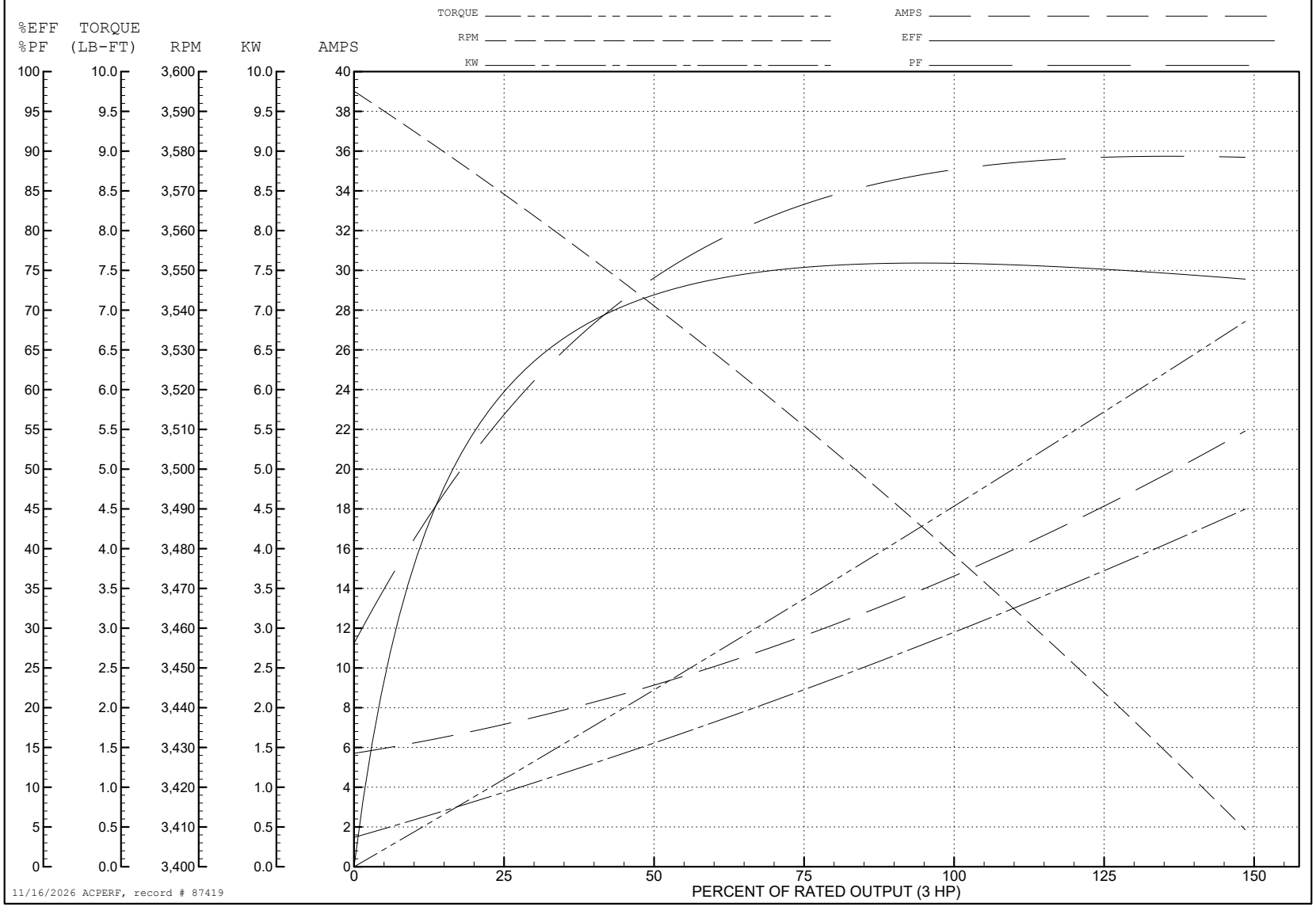
ABB Motors and Mechanical Inc.

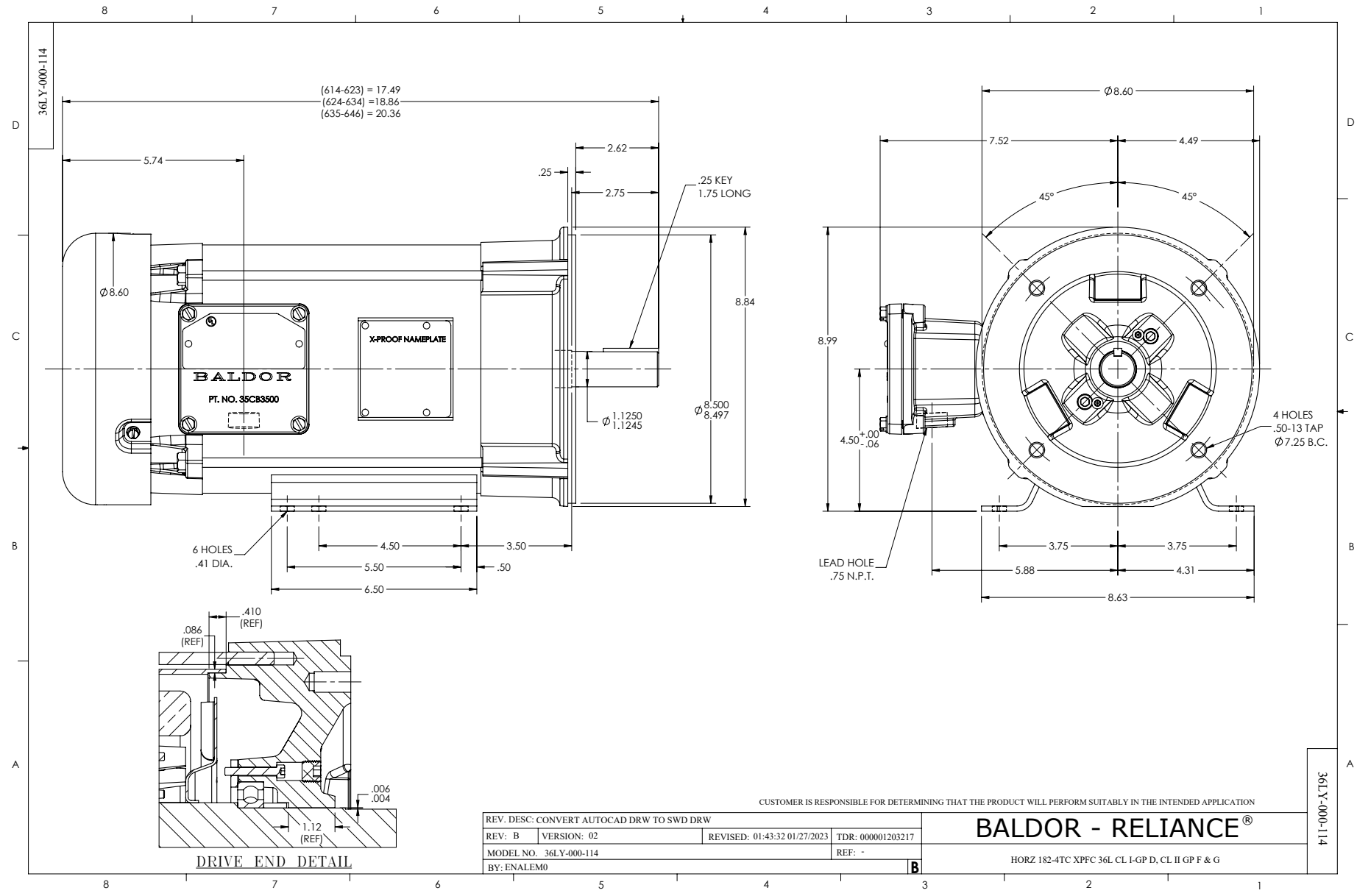
WINDING # 36WG0201

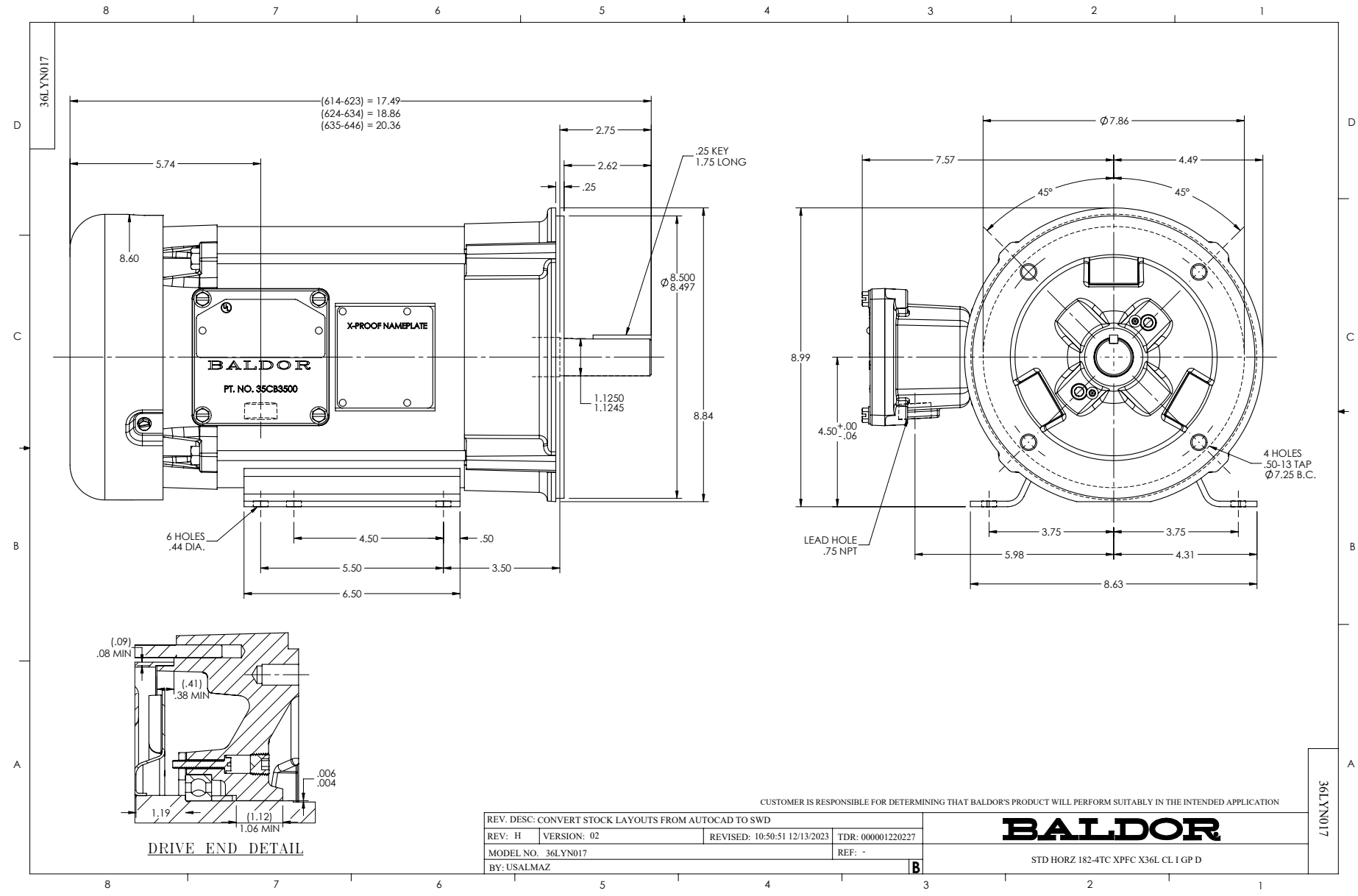
3 HP 1 PH 60 HZ 3450 RPM 230 V 3634L

Typical performance - not guaranteed values.

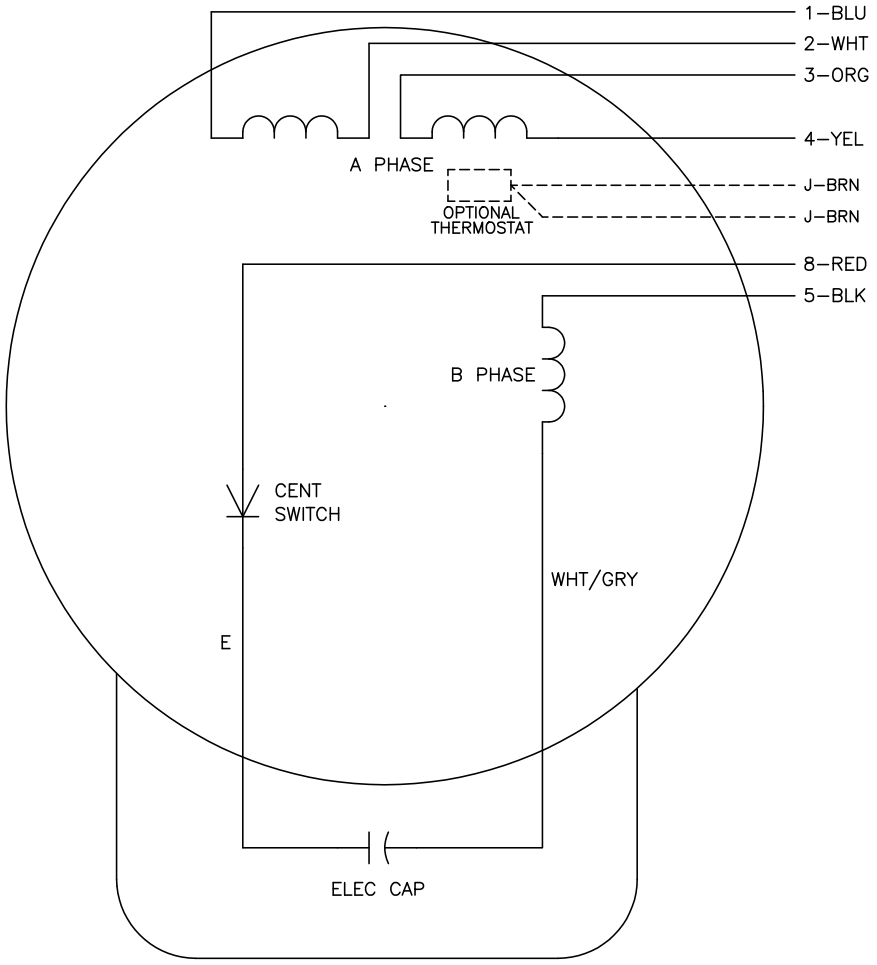
TORQUES(LB-FT): PO=18.3 PU=4.87 LR=9.66 LRA=89.9




36LY-000-114
(614-623) = 17.49
(624-634) =18.86
(635-646) = 20.36
5.74
2.62
.25
2.75
.25 KEY
1.75 LONG
Ø8.60
8.84
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø1.1250
1.1245
Ø8.500
8.497
6 HOLES
.41 DIA.
4.50
3.50
5.50
.50
6.50
Ø8.60
7.52
4.49
45°
45°
8.99
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.88
4.31
8.63
.410
(REF)
.086
(REF)
.006
.004
1.12
(REF)
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: B
VERSION: 02
REVISED: 01:43:32 01/27/2023
TDR: 000001203217
MODEL NO. 36LY-000-114
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 182-4TC XPFC 36L CL I-GP D, CL II GP F & G
36LY-000-114


36LYN017
(614-623) = 17.49
(624-634) = 18.86
(635-646) = 20.36
5.74
2.75
2.62
.25
.25 KEY
1.75 LONG
8.60
Ø8.500
8.497
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
1.1250
1.1245
8.84
6 HOLES
.44 DIA.
4.50
.50
5.50
3.50
6.50
Ø7.86
7.57
4.49
45°
45°
8.99
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75 NPT
3.75
3.75
5.98
4.31
8.63
(.09)
.08 MIN
(.41)
.38 MIN
.006
.004
1.19
(1.12)
1.06 MIN
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT STOCK LAYOUTS FROM AUTOCAD TO SWD
REV: H
VERSION: 02
REVISED: 10:50:51 12/13/2023
TDR: 000001220227
MODEL NO. 36LYN017
REF: -
BY: USALMAZ
B
BALDOR
STD HORZ 182-4TC XPFC X36L CL I GP D
36LYN017

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

CD0001