

ABB BALDOR RELIANCE III

Customer information packet

CXL18322T

3HP, 3450RPM, 1PH, 60HZ, 184TC, 3634L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

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. @ 25°C		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

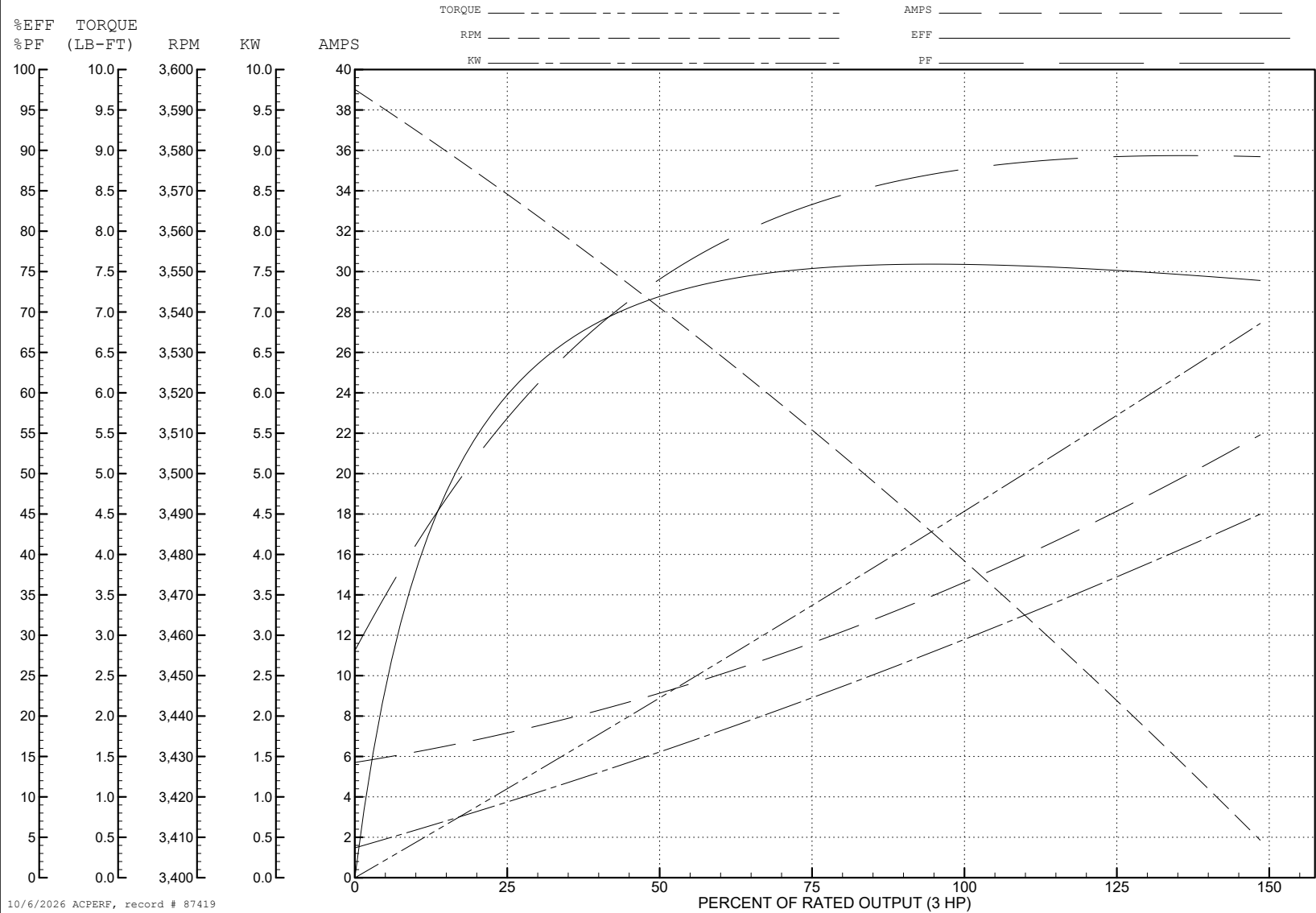
ABB Motors and Mechanical Inc.

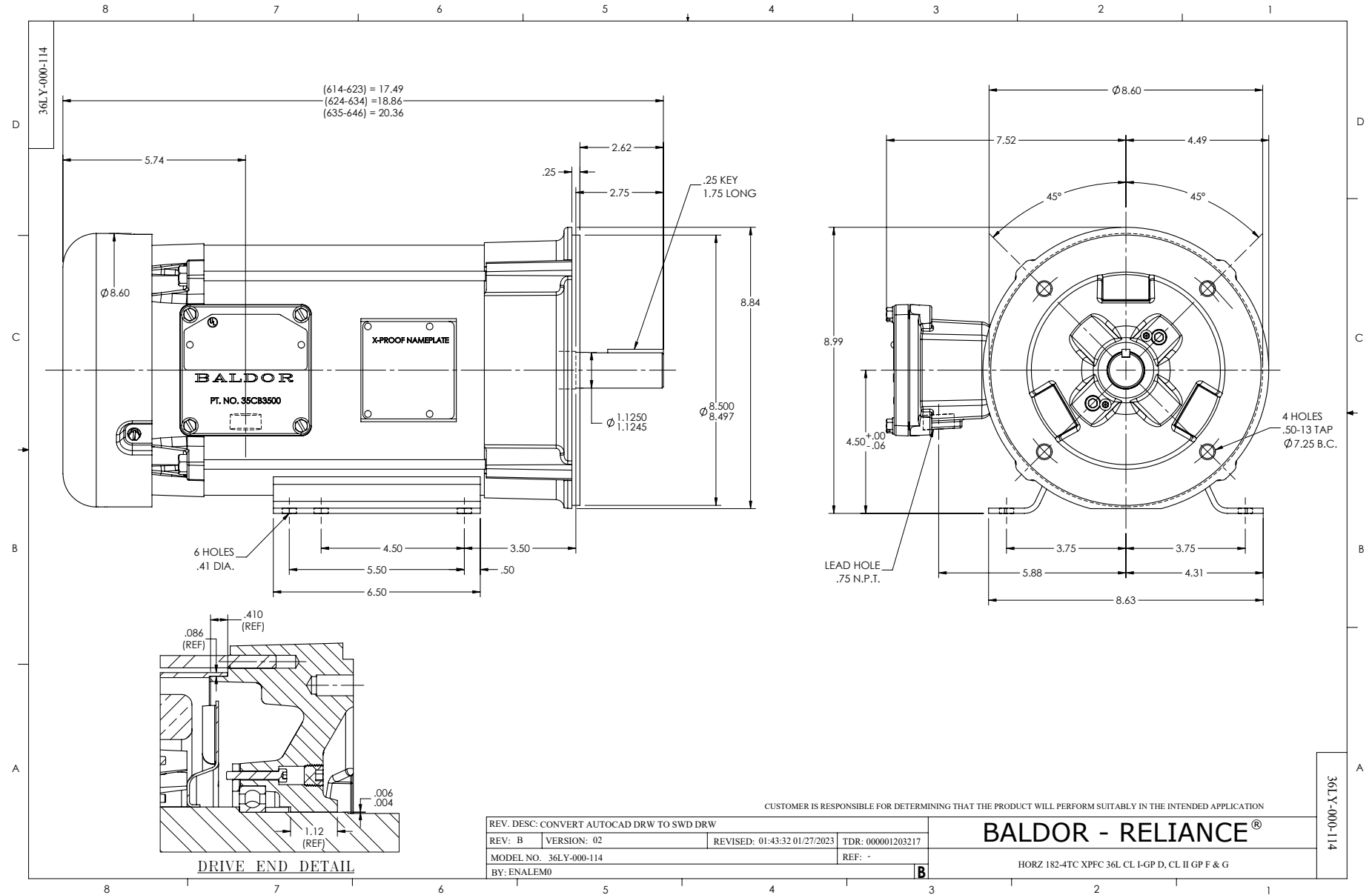
WINDING # 36WG0201

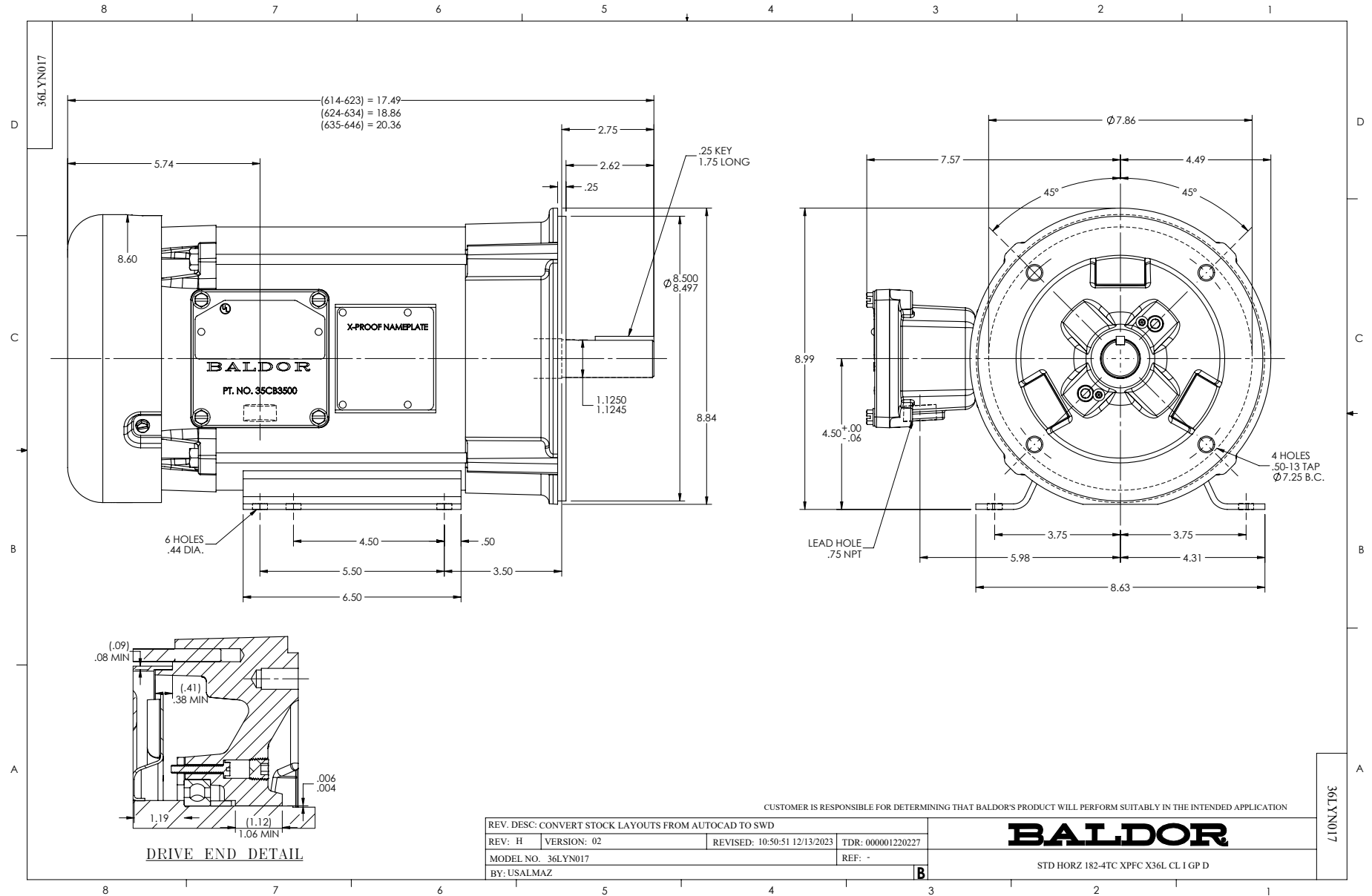
Typical performance - not guaranteed values.

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

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







CD0001

