

ABB BALDOR RELIANCE III

Customer information packet

CXL18242T

2HP, 1750RPM, 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	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ 208.0 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	11.000 A @ 230.0 V 11.600 A @ 208.0 V 22.000 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
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WG0203
Layout	36LY-000-114
Eff. date	02-22-2024
CD Diagram	CD0001
Poles	04
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	04-07-2021

High Voltage Full Load Amps	11.0 a
Insulation Class	F
IP Rating	NONE
KVA Code	H
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	4
Overall Length	18.86 IN
Power Factor	81
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	1730 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.	36-0000-0505								
CAT.NO.	CXL18242T								
HP	2		T. CODE	T3C					
VOLTS	115/208-230								
AMPS	22/11.6-11								
RPM	1730								
HZ	60		PH	1		CL	F		
SER.F.	1.15		DES	L		CODE	H		
RATING	40C AMB-CONT								
FRAME	184TC		NEMA-NOM-EFF						75
		PF	81						
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 93614

Typical performance - not guaranteed values

Winding: 36WG0203-R016			Type: 3634L		Enclosure: XPFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		2	Full Load Torque		6 LB-FT	
Volts		115/208-230	Start Configuration		direct on line	
Full Load Amps		22/11.6-11	Breakdown Torque		14.5 LB-FT	
R.P.M.		1730	Pull-up Torque		13 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		16.6 LB-FT	
NEMA Design Code		L	KVA Code		H	
Starting Current		61 A	No-load Current		6.5 A	
Service Factor (S.F.)		1.15	Line-line Res. @ 25°C		0.244 Ω A Ph 0.632 Ω B Ph	
NEMA Nom. Eff.		75	Power Factor		81	
Temp. Rise @ Rated Load		70°C		Temp. Rise @ S.F. Load		
Rating - Duty		40C AMB-CONT		82°C		
S.F. Amps						

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	58	69	76	80	81	78
Efficiency	63.1	72.3	74.3	75	72	68.3	73.2
Speed	1783	1769	1753	1733	1711	1689	1720
Line amperes	7	8.05	9.7	11	13.9	16.2	12.7

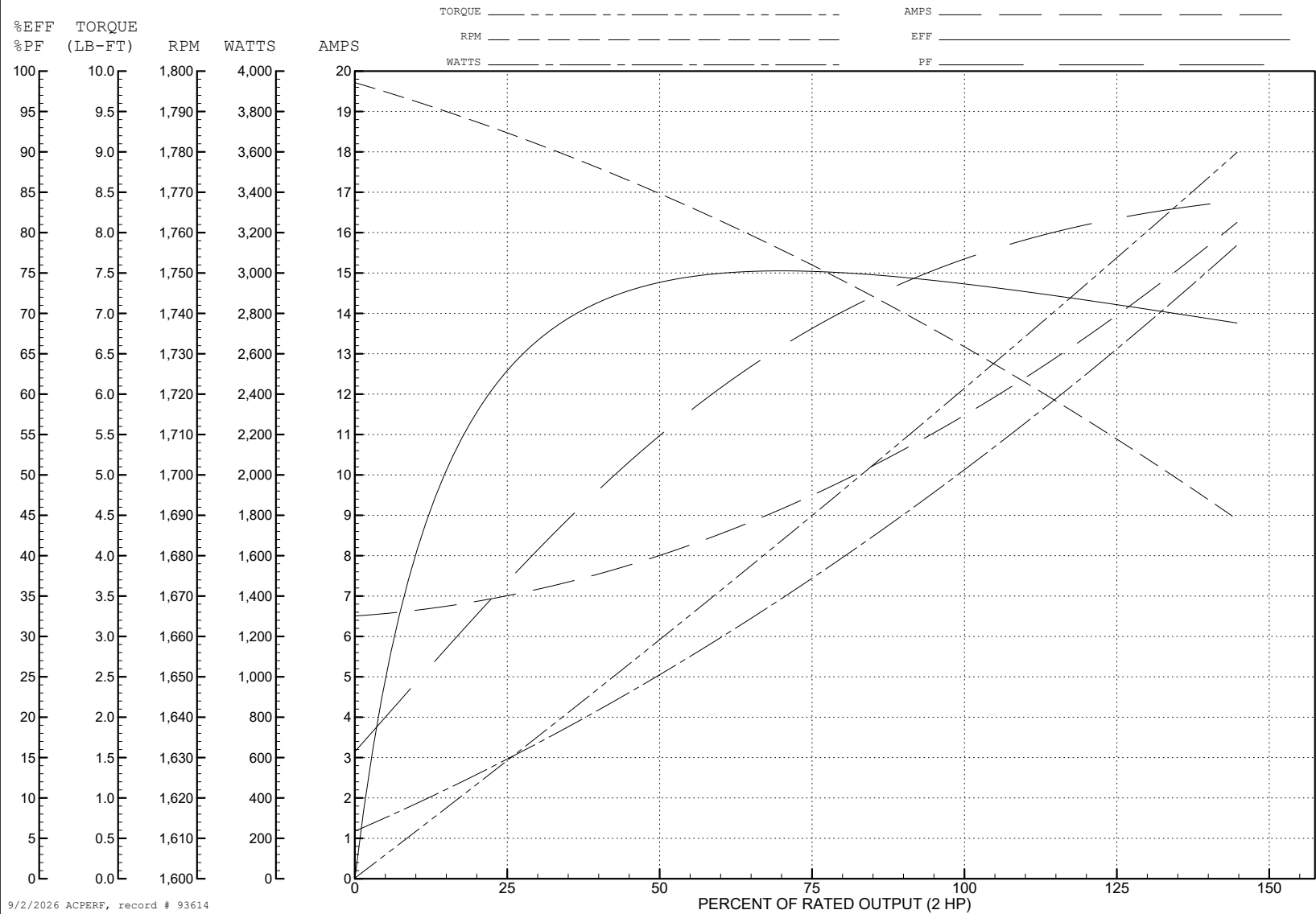
ABB Motors and Mechanical Inc.

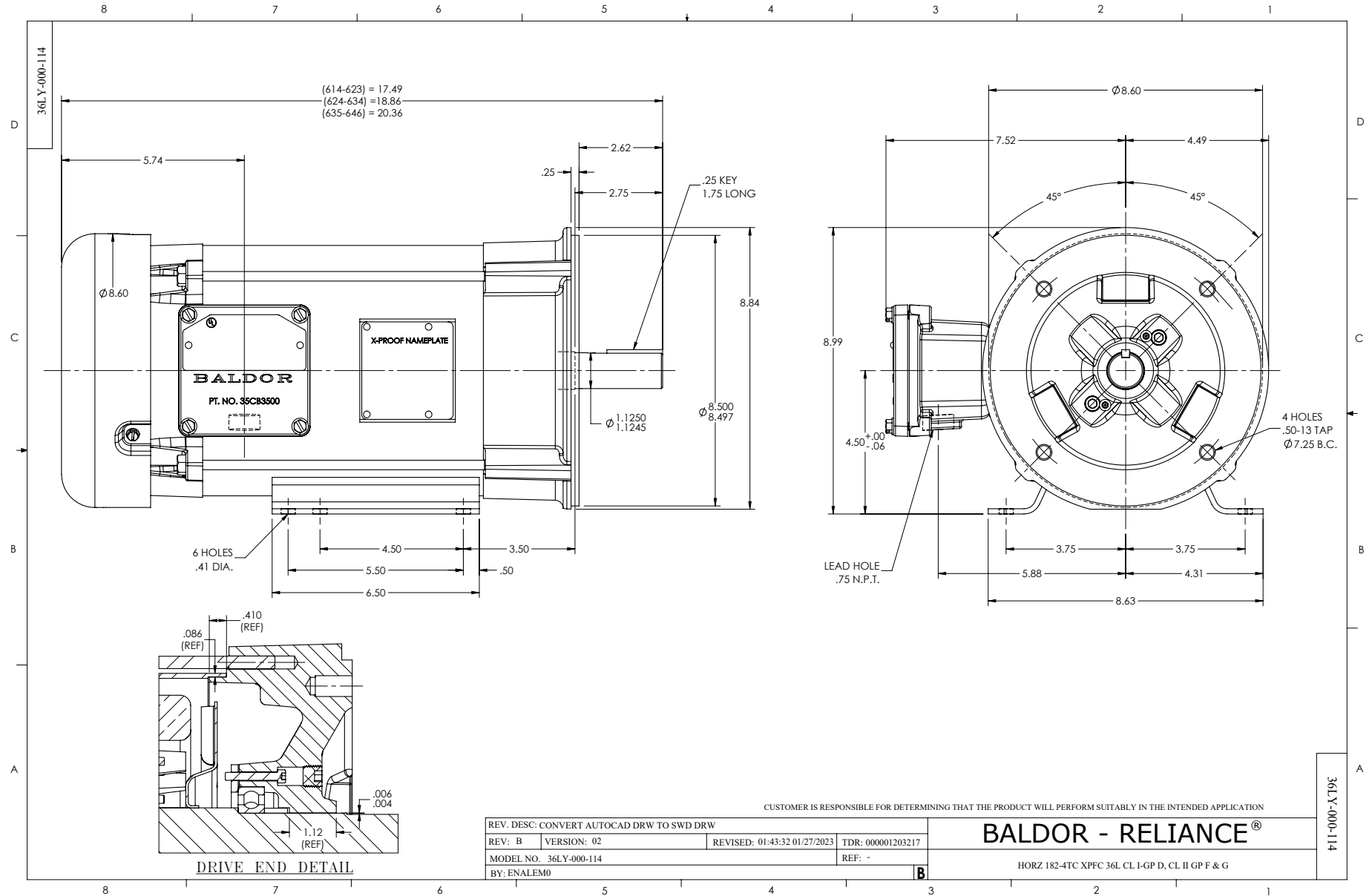
WINDING # 36WG0203

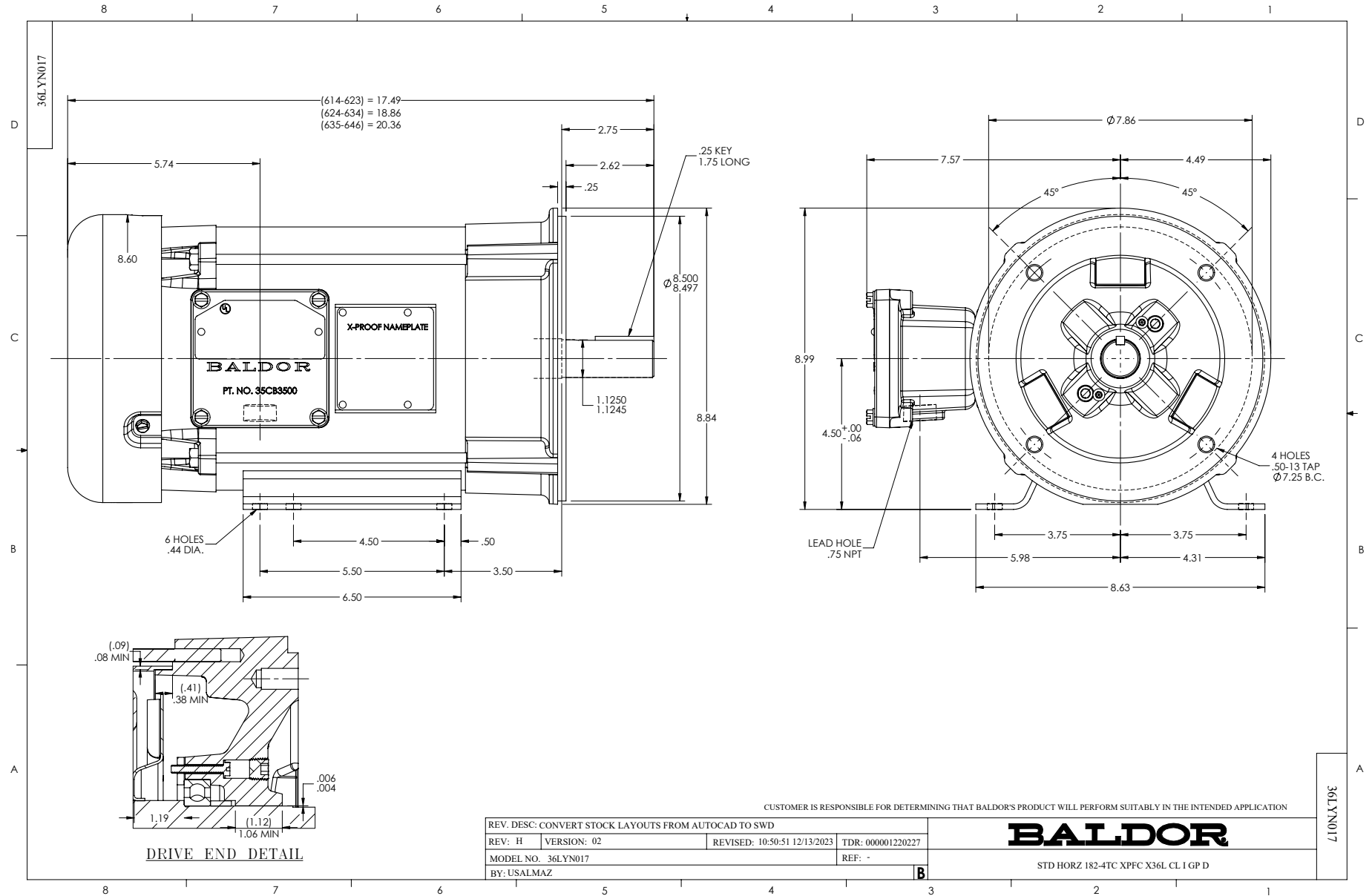
Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1730 RPM 230 V 3634L

TORQUES (LB-FT): PO=14.5 PU=13 LR=16.6 LRA=61







CD0001

