

ABB BALDOR RELIANCE III

Customer information packet

CL5028T

3HP, 3450RPM, 1PH, 60HZ, 184TC, X3634L, XPFC

Class - CLI GP D

Division - Division I

Specifications

Enclosure	XPFC
Frame	184TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D
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	UL CSA
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
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T2C
Heater Indicator	No Heater

Part Detail

Revision	AG
Type	AC
Mech. spec.	36N017
Base	
Status	PRD/A
Elec. spec.	36WG0201
Layout	36LYN017
Eff. date	05-07-2026
CD Diagram	CD0001
Poles	02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	14.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	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	3634L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.86 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
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

NP0015XPSL									
NO.		CC							
SER. #									
SPEC	36N17-201								
CAT.NO.	CL5028T								
H.P.	3	T. CODE	T2C						
VOLTS	115/230								
AMPS	29/14.5								
R.P.M.	3450								
HZ	60	PH	1	CLASS	B				
SER.F.	1.00	DES	L	CODE	G				
RATING	40C AMB-CONT								
FRAME	184TC	NEMA NOM. EFF	76						
	PF	87							
BLANK									

AC Induction Motor Performance Data

Record # 20849

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		4.5 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		29/14.5	Breakdown Torque		14 LB-FT			
R.P.M.		3450	Pull-up Torque		8 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		10 LB-FT		
NEMA Design Code		L	KVA Code	G	Starting Current		86 A	
Service Factor (S.F.)		1	No-load Current		5.5 A			
NEMA Nom. Eff.		76	Power Factor		87	Line-line Res. @ 25°C		0.588 Ω A Ph 0.896 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		80°C	

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	70	83	88	91	92	92	92
Efficiency	61	71	73.5	76	75	73	75.4
Speed	3558	3526	3496	3457	3407	3356	3427
Line amperes	7	9	11.5	14.5	18	21.8	16.6

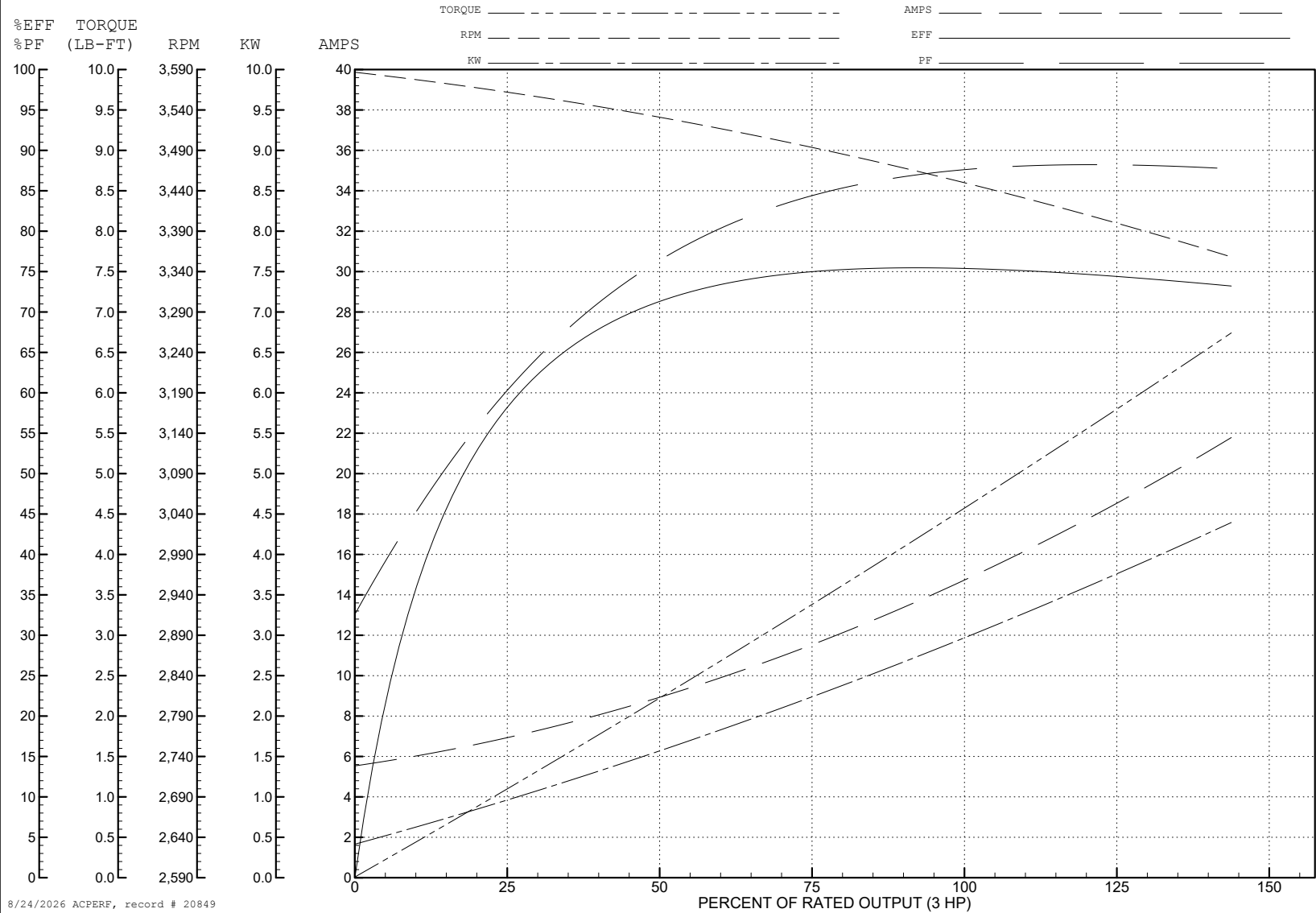
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WINDING # 36WG0201

Typical performance - not guaranteed values.

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

TORQUES (LB-FT): PO=14 PU=8 LR=10 LRA=86



AC Induction Motor Performance Data

Record # 64041

Typical performance - not guaranteed values

Winding: 36WG0201-R002			Type: 3634L		Enclosure: XPFC	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		3	Full Load Torque		4.5 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		29/14.5	Breakdown Torque		14 LB-FT	
R.P.M.		3450	Pull-up Torque		8 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		10 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current		172 A
Service Factor (S.F.)			1	No-load Current		11 A
NEMA Nom. Eff.	76	Power Factor	87	Line-line Res. @ 25°C		0.149 Ω A Ph 0.89 Ω B Ph
Rating - Duty		40C	AMB-CONT	Temp. Rise @ Rated Load		80°C
				Locked-rotor Power Factor		75.6
				Rotor inertia		0.153 LB-FT2

Load Characteristics 115 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	58	77	86	87	88	88
Efficiency	61.3	71	73.6	76	75	73
Speed	3558	3526	3496	3457	3407	3356
Line amperes	14	18	23	29	36	43.6

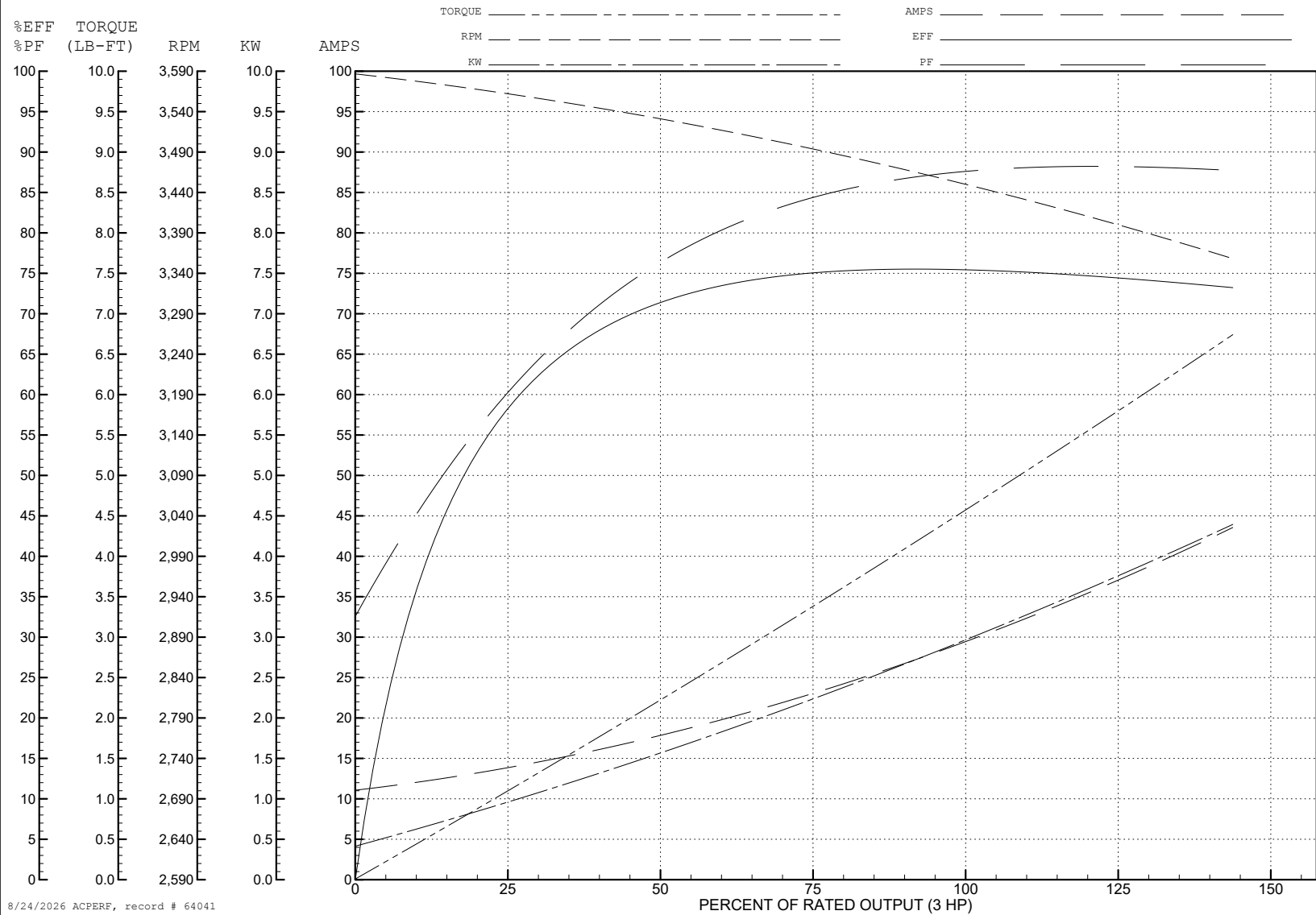
ABB Motors and Mechanical Inc.

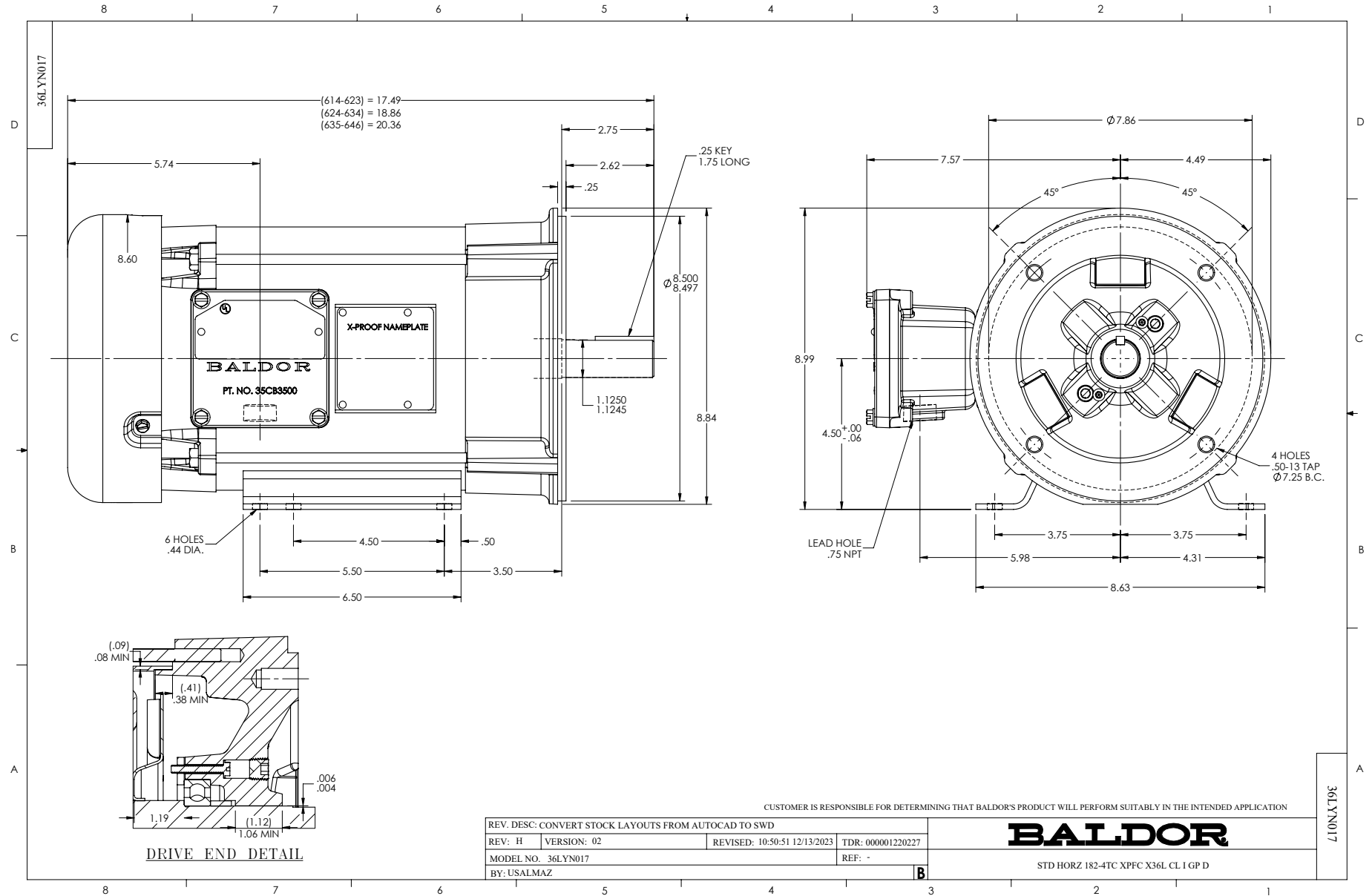
WINDING # 36WG0201

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 115 V 3634L

TORQUES (LB-FT): PO=14 PU=8 LR=10 LRA=172





CD0001

