



Customer information packet

XL14142T

1HP, 1750RPM, 1PH, 60HZ, 143T, 3528L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	143T
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	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 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	6.300 A @ 230.0 V 12.500 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.3 a
Insulation Class	F

Part detail

Revision	C
Type	AC
Mech. spec.	35E358
Base	
Status	PRD/A
Elec. spec.	35WGG376
Layout	35LYE361
Eff. date	09-19-2024
CD Diagram	CD0001
Poles	04
Leads	6#18 Y
Proprietary	False
Created date	02-23-2023

Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X3528L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.21 IN
Power Factor	69
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1750 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.	35E358G376								
CAT.NO.	XL14142T								
HP	1	T. CODE							
VOLTS	115/230								
AMPS	12.5/6.3								
RPM	1750								
HZ	60	PH	1	CL	F				
SER.F.	1.15	DES		L	CODE	L			
RATING	40C AMB-CONT								
FRAME	143T	NEMA-NOM-EFF					74		
		PF	69						
BLANK	SFA 13.9/6.95								

AC Induction Motor Performance Data

Record # 88163

Typical performance - not guaranteed values

Winding: 35WGX945-R010			Type: 3524L		Enclosure: XPFC		
Nameplate Data			115 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		1	Full Load Torque		3 LB-FT		
Volts		115/230	Start Configuration		Unknown		
Full Load Amps		12.2/6.1	Breakdown Torque		7.96 LB-FT		
R.P.M.		1750	Pull-up Torque		6.57 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		10.5 LB-FT	
NEMA Design Code		L	KVA Code	L	Starting Current		73.5 A
Service Factor (S.F.)		1.15		No-load Current		8.04 A	
NEMA Nom. Eff.		68	Power Factor	74	Line-line Res. @ 25°C		0.549 Ω A Ph 1.66 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		63°C	
S.F. Amps				Temp. Rise @ S.F. Load		72°C	
				Locked-rotor Power Factor		90.9	
				Rotor inertia		0.142 lb-ft²	

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	53	65	73	79	82	77
Efficiency	53	67.4	73	75.1	75.3	74.4	75.2
Speed	1788	1778	1767	1754	1740	1724	1746
Line amperes	8.38	9.15	10.3	11.8	13.7	15.9	12.9

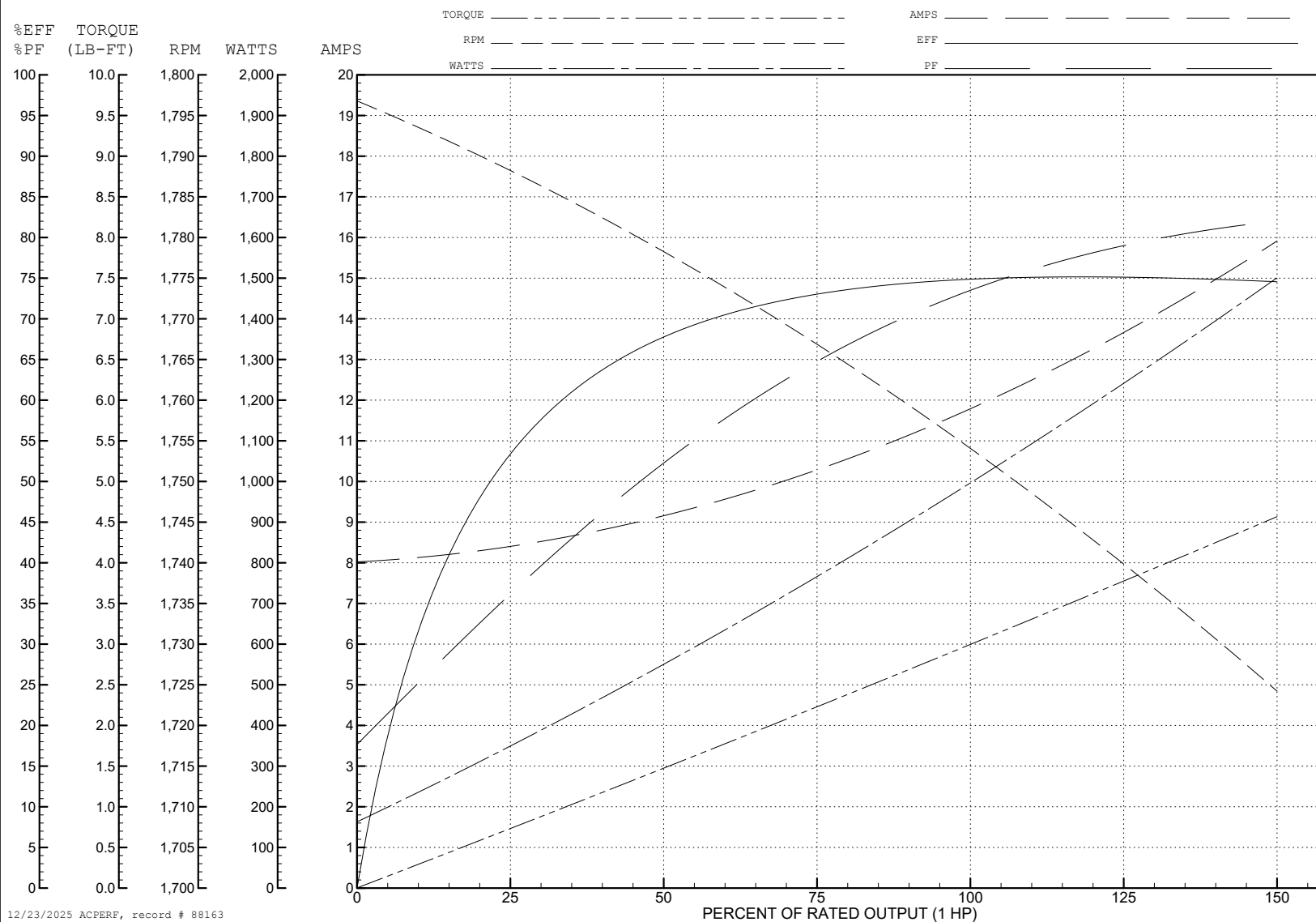
ABB Motors and Mechanical Inc.

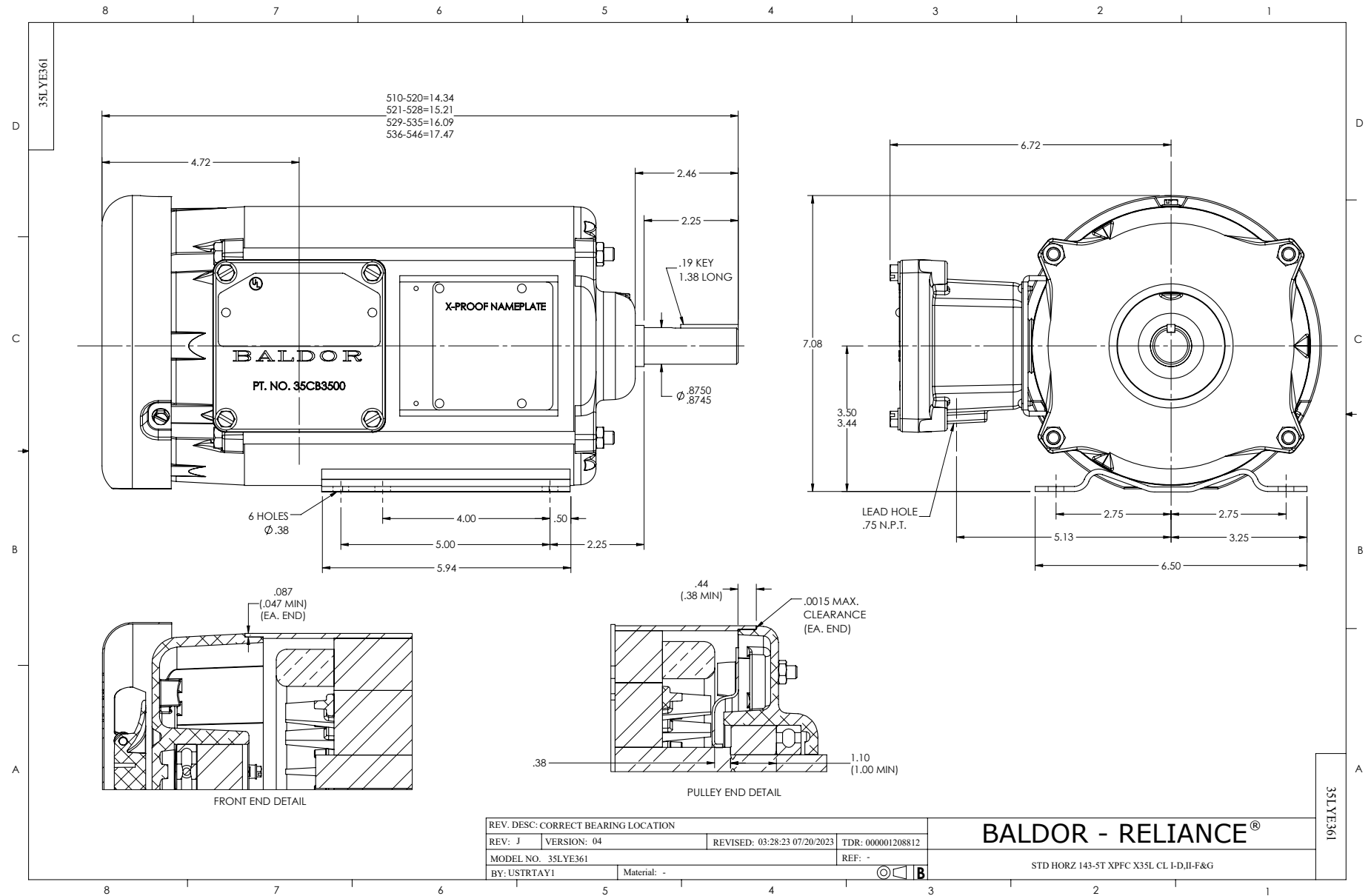
WINDING # 35WGX945

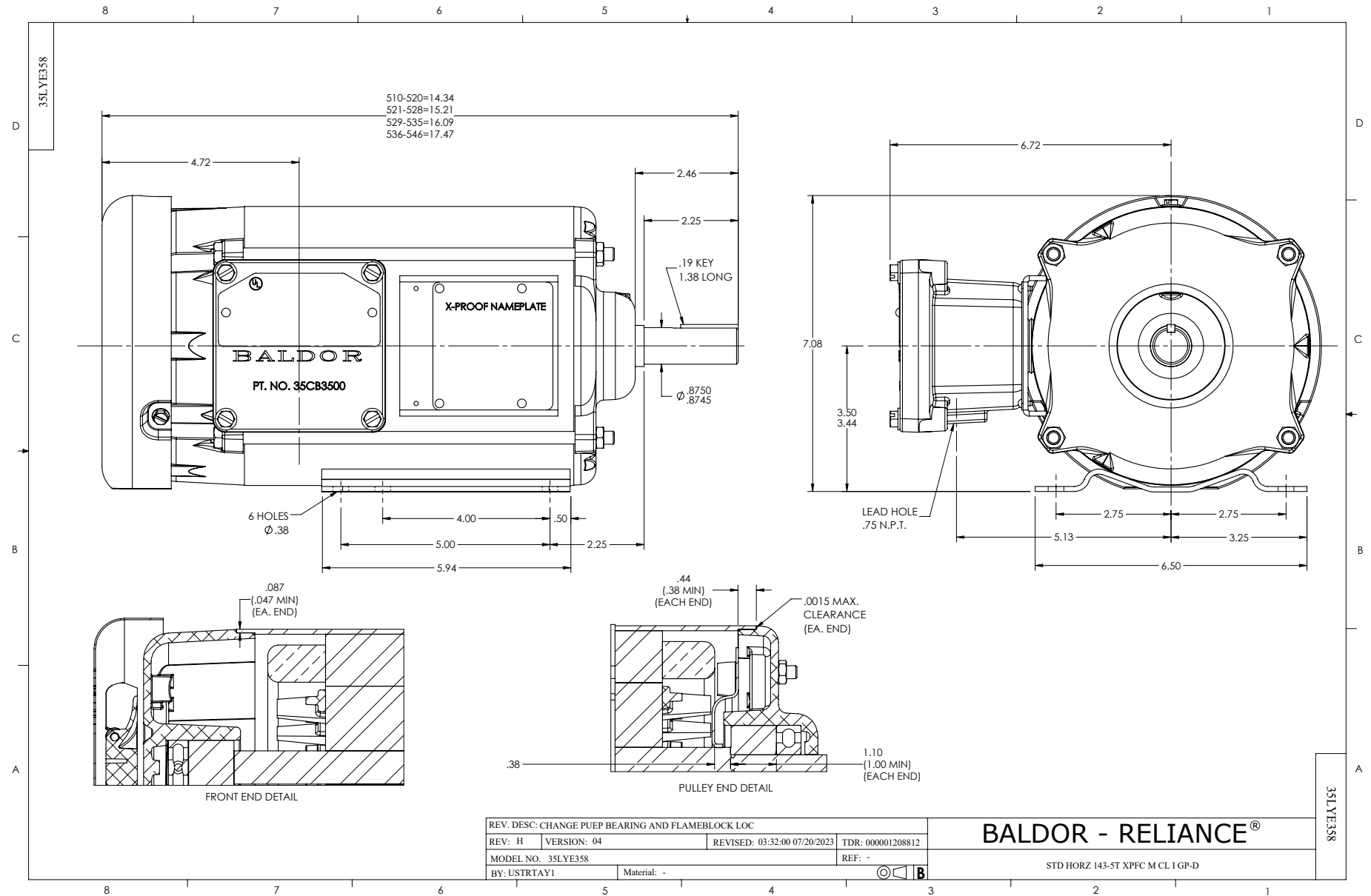
Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1750 RPM 115 V 3524L

TORQUES (LB-FT) : PO=7.96 PU=6.57 LR=10.5 LRA=73.5







CD0001

