

BALDOR • RELIANCE

Customer information packet

VXL05142A

1HP, 1725RPM, 1PH, 60HZ, 56C, 3528L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56C
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
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	12.400 A @ 115.0 V 6.200 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	67.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T2C
Heater Indicator	No Heater
High Voltage Full Load Amps	6.2 a
Insulation Class	B

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WG0527
Layout	35LYE371
Eff. date	05-01-2024
CD Diagram	CD0008
Poles	04
Leads	6#18,1#14 #4TH
Proprietary	False
Created date	03-24-2021

Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.15 IN
Power Factor	68
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	EP
Winding Thermal 2	None

Nameplate

NP0016XPSL					
NO.		CC			
SER. #					
SPEC	35-0000-1088				
CAT.NO.	VXL05142A				
H.P.	1	T. CODE	T3C		
VOLTS	115/230				
AMPS	12.4/6.2				
R.P.M.	1725 35WG0527				
HZ	60	PH	1	CLASS	B
SER.F.	1.00	DES	L	CODE	K
RATING	40C AMB-CONT				
FRAME	56C	NEMA NOM. EFF	67		
	PF	68			
BLANK	NEMA MG-1 PART 5, IP54				

AC Induction Motor Performance Data

Record # 8082

Typical performance - not guaranteed values

Winding: 35WG0527-R001		Type: 3528L		Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	1		Full Load Torque	3 LB-FT	
Volts	115/230		Start Configuration	direct on line	
Full Load Amps	12.4/6.2		Breakdown Torque	7 LB-FT	
R.P.M.	1725		Pull-up Torque	3 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	7.9 LB-FT	
NEMA Design Code	L	KVA Code	K	Starting Current	39 A
Service Factor (S.F.)	1		No-load Current	3.8 A	
NEMA Nom. Eff.	67	Power Factor	68	Line-line Res. @ 25°C	2.73 Ω A Ph 1.76 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	42°C	

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	57	70	77	83	86	81
Efficiency	51	64.5	67	68.5	66.5	63.5	67.5
Speed	1790	1780	1765	1750	1735	1710	1742
Line amperes	4	4.5	5.2	6.2	7.25	8.7	6.8

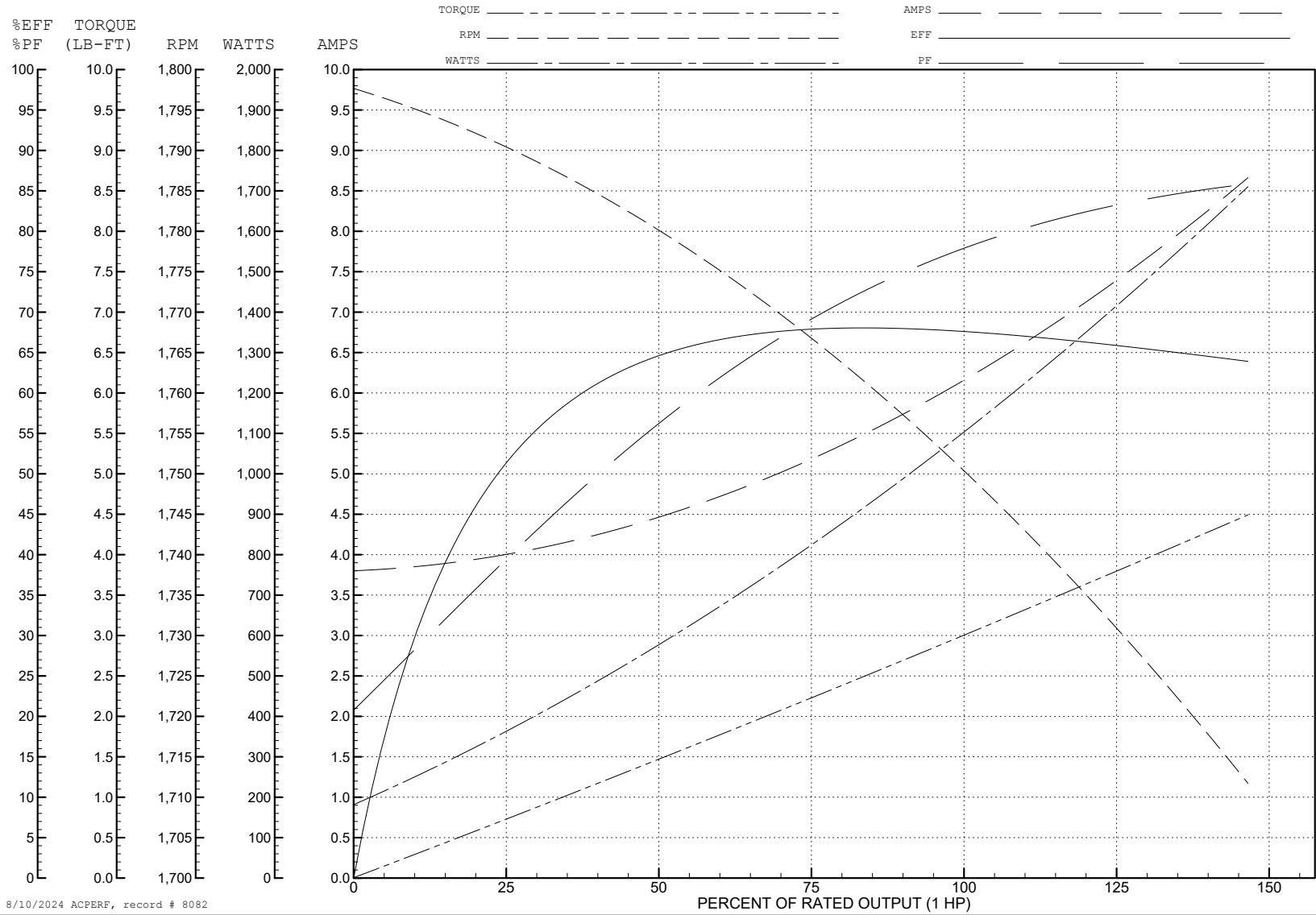
ABB Motors and Mechanical Inc.

WINDING # 35WG0527

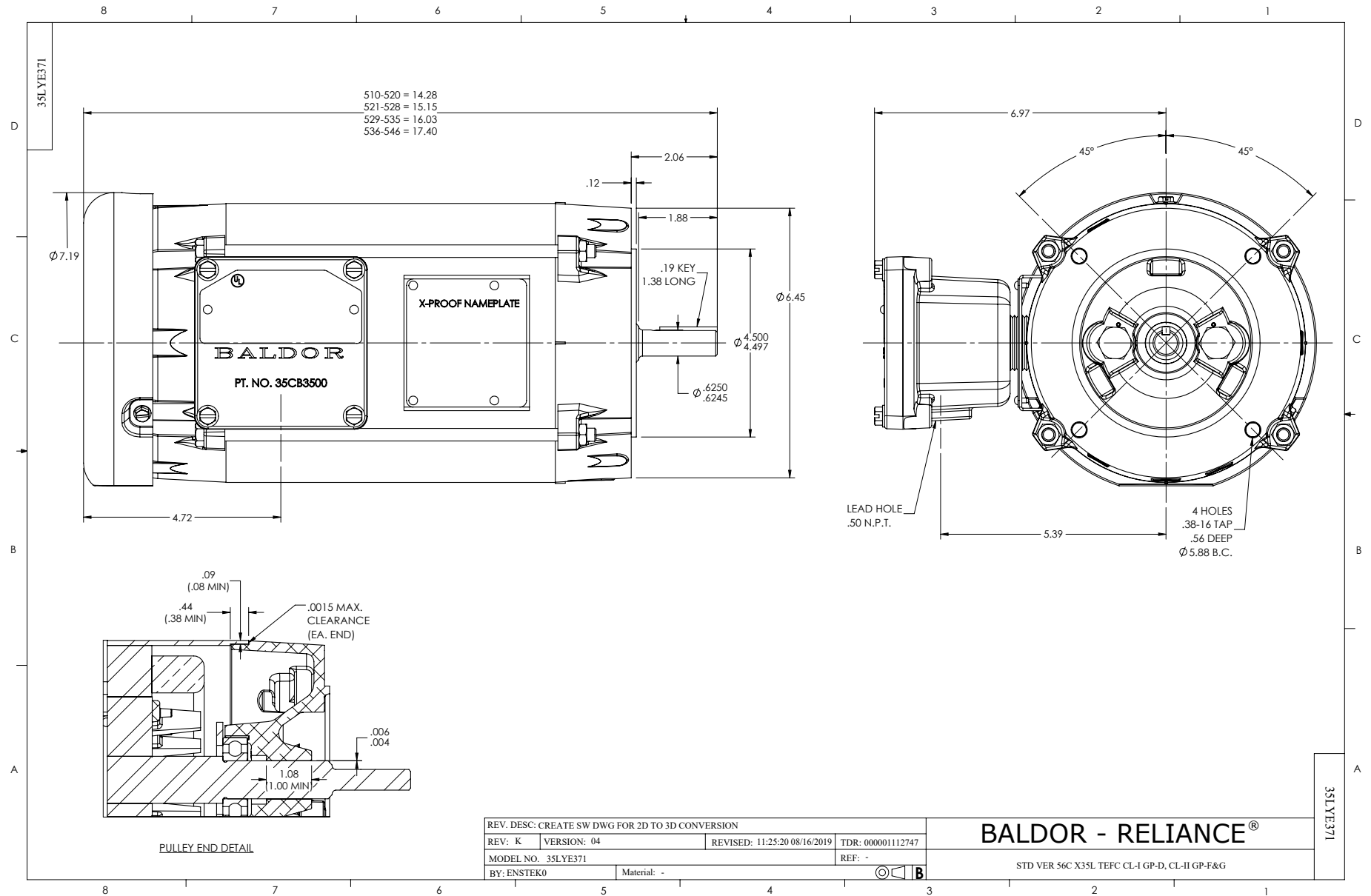
Typical performance - not guaranteed values.

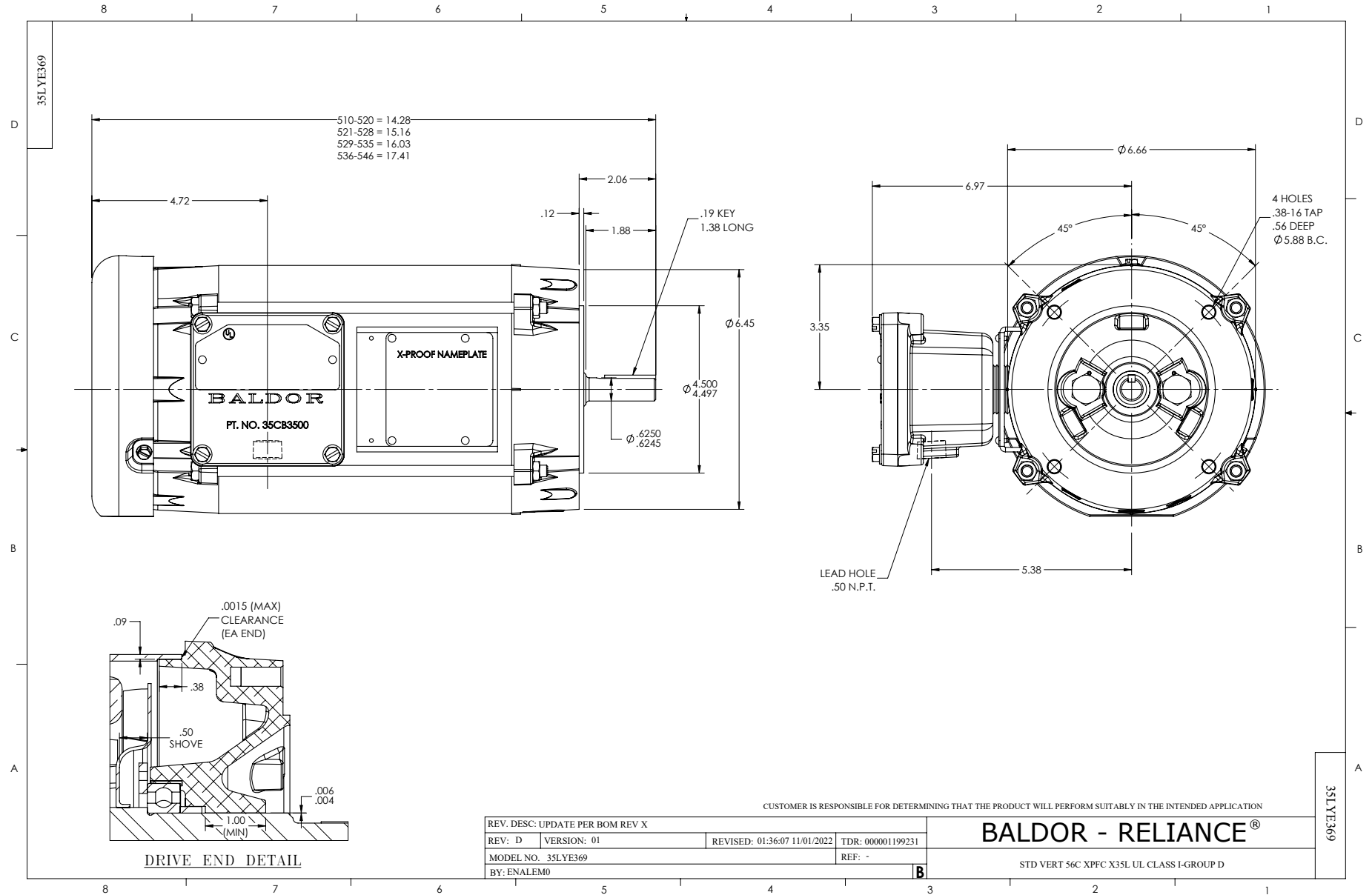
1 HP 1 PH 60 HZ 1725 RPM 230 V 3528L

TORQUES (LB-FT): PO=7 PU=3 LR=7.9 LRA=39

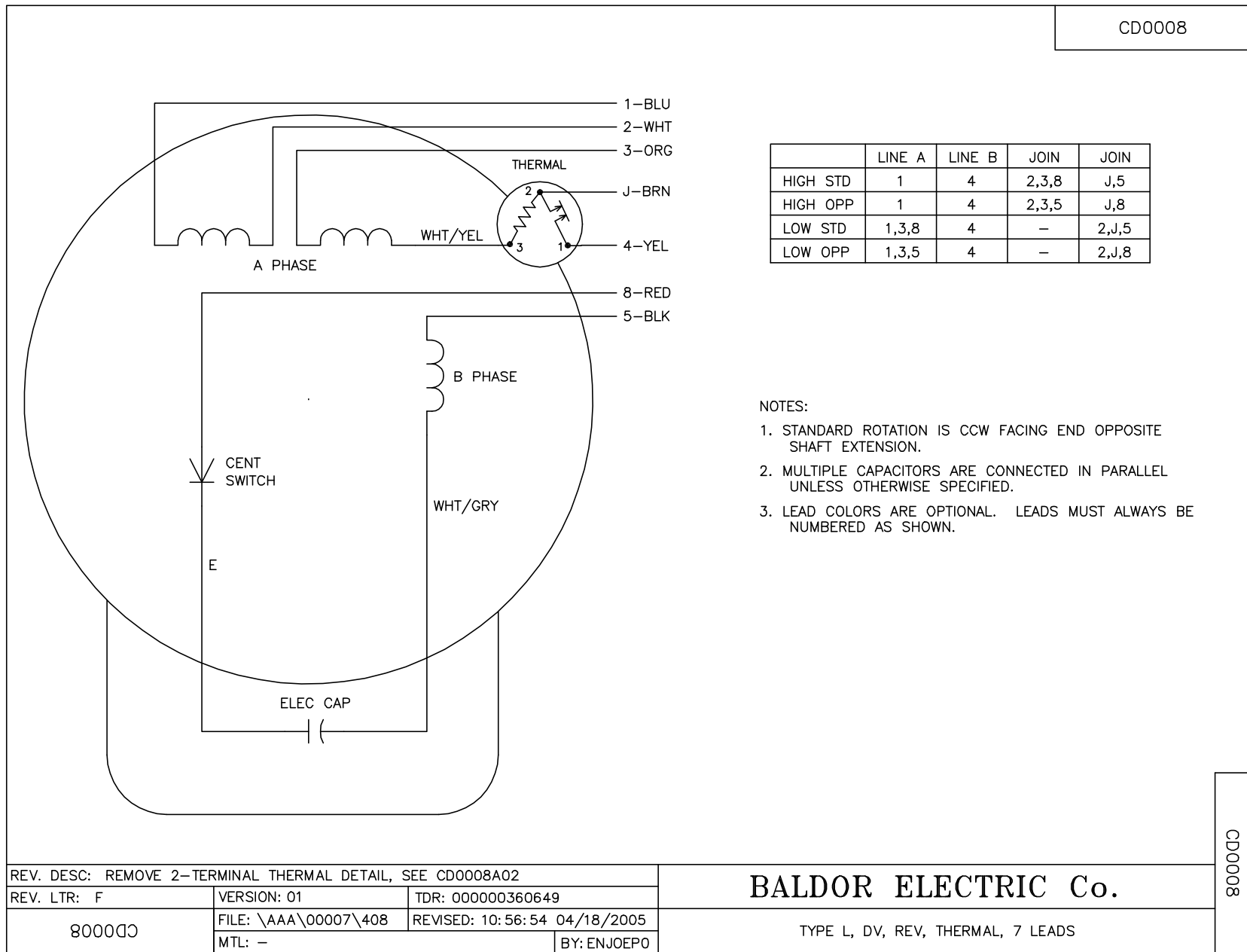


8/10/2024 ACPERF, record # 8082





CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02		
REV. LTR: F	VERSION: 01	TDR: 000000360649
800000	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008