

ABB BALDOR RELIANCE III

Customer information packet

XL040242A

.25HP, 1725RPM, 1PH, 60HZ, 48, 3411L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	48
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	.250 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	2.500 A @ 230.0 V 2.600 A @ 208.0 V 5.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	55.0 %
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.	34WG368
Layout	34LY6414
Eff. date	09-04-2024
CD Diagram	CD0885
Poles	04
Leads	7#18
Proprietary	False
Created date	04-21-2021

High Voltage Full Load Amps	2.5 a
Insulation Class	B
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3411L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.84 IN
Power Factor	57
Product Family	Hazardous Location Motor
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.500 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	SB
Winding Thermal 2	None

Nameplate

NP0016XPSL									
NO.		CC							
SER. #									
SPEC	34-0000-0412								
CAT.NO.	XL040242A								
H.P.	.25		T. CODE		T3C				
VOLTS	115/208-230								
AMPS	5/2.6-2.5								
R.P.M.	1725 34WGW368								
HZ	60		PH	1	CLASS	B			
SER.F.	1.00		DES	N	CODE	L			
RATING	40C AMB-CONT								
FRAME	48		NEMA NOM. EFF						55
		PF	57						
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 6961

Typical performance - not guaranteed values

Winding: 34WGW368-R001			Type: 3411L		Enclosure: XPFC	
Nameplate Data				230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		.25		Full Load Torque		0.781 LB-FT
Volts		115/208-230		Start Configuration		direct on line
Full Load Amps		5/2.6-2.5		Breakdown Torque		3.72 LB-FT
R.P.M.		1725		Pull-up Torque		2.15 LB-FT
Hz	60	Phase	1	Locked-rotor Torque		2.79 LB-FT
NEMA Design Code		N	KVA Code	Starting Current		11 A
Service Factor (S.F.)		1		No-load Current		2.34 A
NEMA Nom. Eff.		55	Power Factor	Line-line Res. @ 25°C		8.77 Ω A Ph 6.84 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		

Load Characteristics 230 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	36	45	53	60	66	72
Efficiency	31.6	42.2	50	54.7	56.3	56.5
Speed	1767	1752	1738	1719	1698	1672
Line amperes	2.32	2.36	2.42	2.53	2.7	2.93

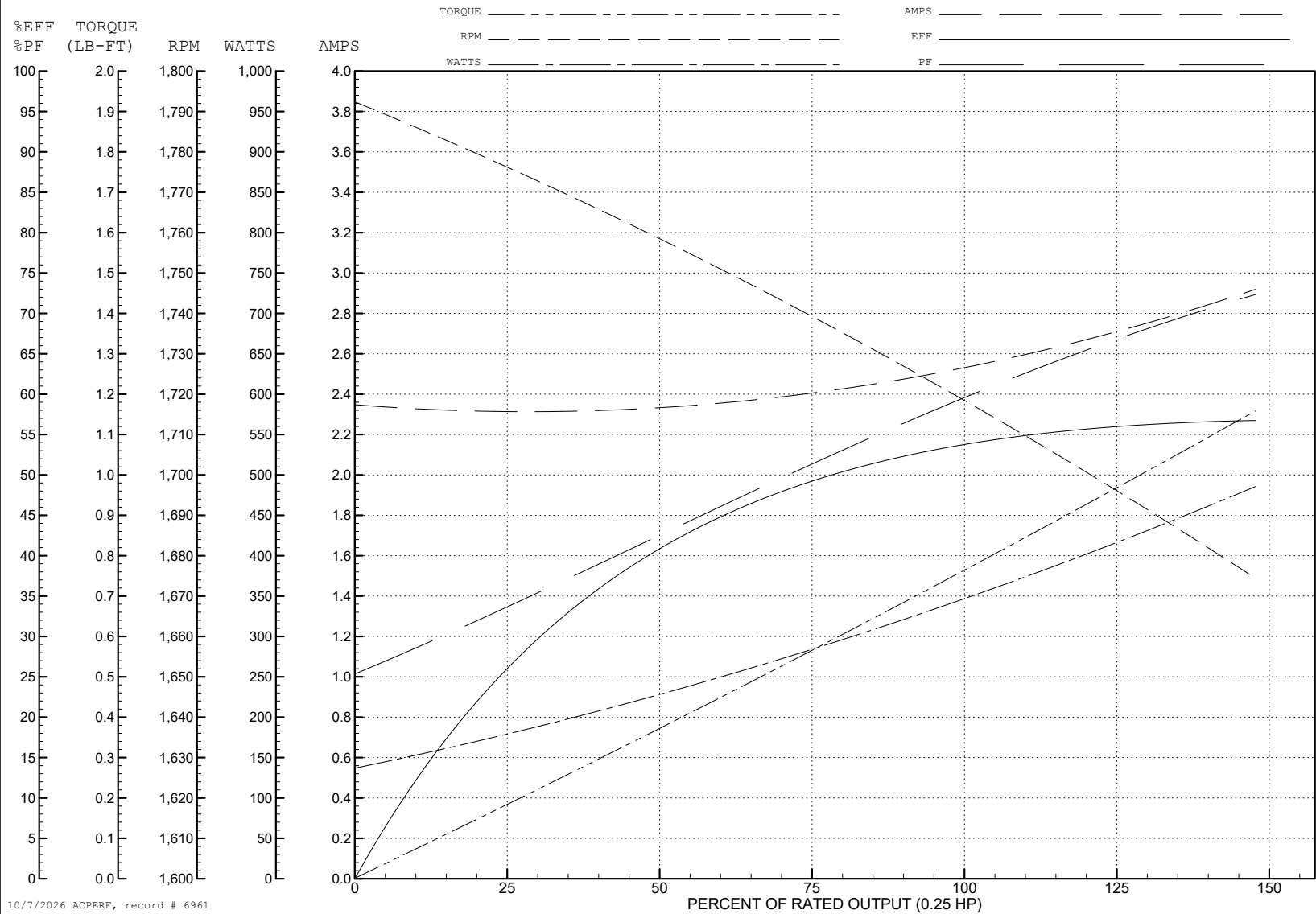
ABB Motors and Mechanical Inc.

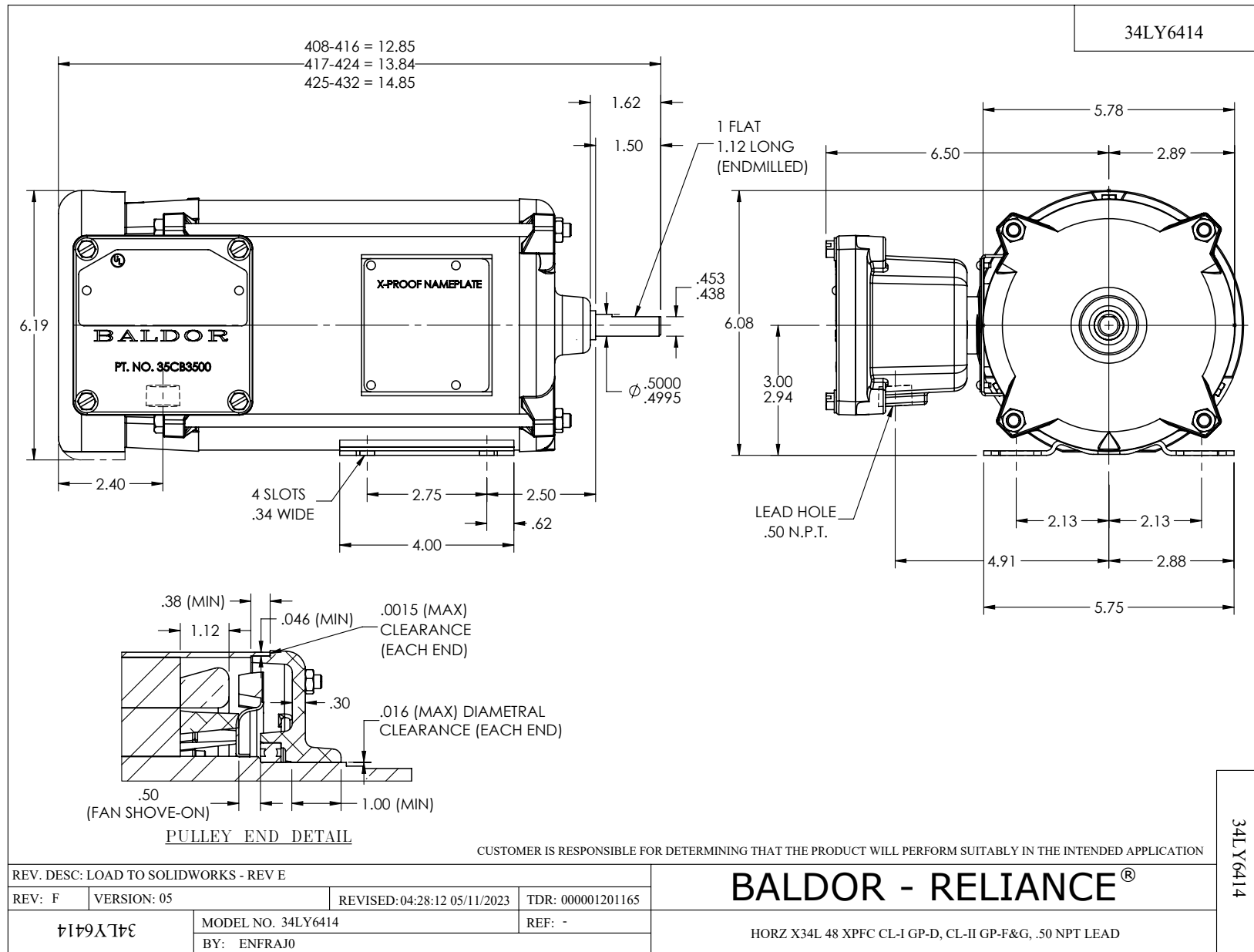
WINDING # 34WGW368

Typical performance - not guaranteed values.

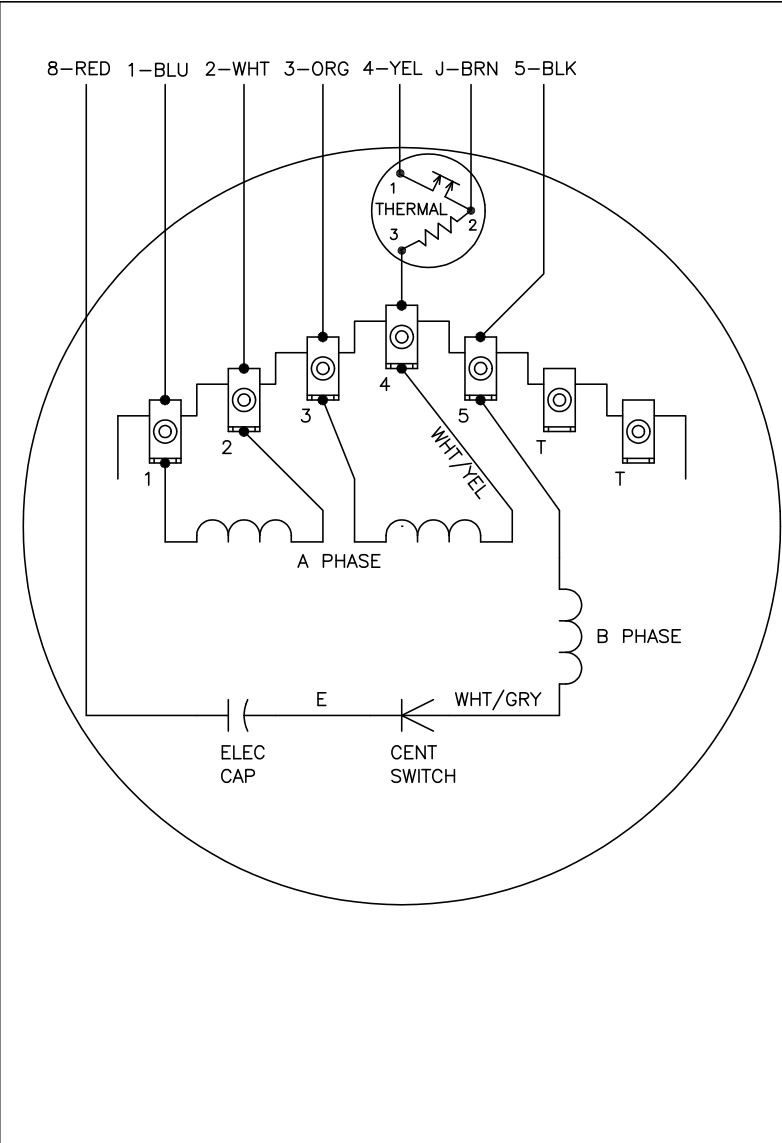
0.25 HP 1 PH 60 HZ 1725 RPM 230 V 3411L

TORQUES (LB-FT) : PO=3.72 PU=2.15 LR=2.79 LRA=11





CD0885



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
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: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: B	BY: JLP	REVISED: 04/08/99 4:16	TDR: 0178636
S880C0		FILE: AAA00014285	MDL: —
		MTL: —	

BALDOR ELECTRIC Co.	
TYPE L, DV, REV, THERM, 7 LD, B PH A THRU HTR HVC, 34XP	

CD0885