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# Customer information packet

## XL050522A

0.5HP, 3450RPM, 1PH, 60HZ, 56, 3420L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

## Specifications

Enclosure	XPFC
Frame	56
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	.500 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	CSA UL
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.700 A @ 230.0 V 9.400 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	60.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	4.7 a
Insulation Class	B

## Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	34WG0656
Layout	34LY5492
Eff. date	05-01-2024
CD Diagram	CD0565
Poles	02
Leads	6#18,1#16 4TH
Proprietary	False
Created date	05-07-2021

<b>Inverter Code</b>	Not Inverter
<b>IP Rating</b>	NONE
<b>KVA Code</b>	N
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3420L
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	2
<b>Overall Length</b>	14.22 IN
<b>Power Factor</b>	60
<b>Product Family</b>	Hazardous Location Motor
<b>Pulley Face Code</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	3450 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	Automatic Thermal Overload
<b>Winding Thermal 1 Location</b>	EP
<b>Winding Thermal 2</b>	None

**Nameplate**

NP0016XPSL					
<b>NO.</b>		<b>CC</b>			
<b>SER. #</b>					
<b>SPEC</b>	34-0000-0421				
<b>CAT.NO.</b>	XL050522A				
<b>H.P.</b>	.5	<b>T. CODE</b>	T3C		
<b>VOLTS</b>	115/230				
<b>AMPS</b>	9.4/4.7				
<b>R.P.M.</b>	3450 34WG0656				
<b>HZ</b>	60	<b>PH</b>	1	<b>CLASS</b>	B
<b>SER.F.</b>	1.00	<b>DES</b>	N	<b>CODE</b>	N
<b>RATING</b>	40C AMB-CONT				
<b>FRAME</b>	56	<b>NEMA NOM. EFF</b>	60		
	<b>PF</b>	60			
<b>BLANK</b>	NEMA MG-1 PART 5, IP54				

**AC Induction Motor Performance Data**

Record # 88187

Typical performance - not guaranteed values

Winding: 34WG0656		Type: 3420L		Enclosure: XPFC	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>		
Rated Output (HP)	0.5	Full Load Torque	0.753 LB-FT		
Volts	115/230	Start Configuration	Unknown		
Full Load Amps	9.4/4.7	Breakdown Torque	2.82 LB-FT		
R.P.M.	3450	Pull-up Torque	2.31 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque	3.13 LB-FT
NEMA Design Code	N	KVA Code	N	Starting Current	44.9 A
Service Factor (S.F.)	1			No-load Current	8.19 A
NEMA Nom. Eff.	60	Power Factor	60	Line-line Res. @ 25°C	0.782 Ω A Ph 2.48 Ω B Ph
Rating - Duty	40C	AMB-CONT		Temp. Rise @ Rated Load	69°C
				Locked-rotor Power Factor	95.1
				Rotor inertia	0.0186 lb-ft <sup>2</sup>

**Load Characteristics 115 V, 60 Hz, 0.5 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	35	44	53	60	67	72
Efficiency	27.8	42.6	51.4	56.9	60.2	62.1
Speed	3561	3540	3516	3491	3464	3434
Line amperes	8.33	8.59	8.97	9.48	10.1	10.9

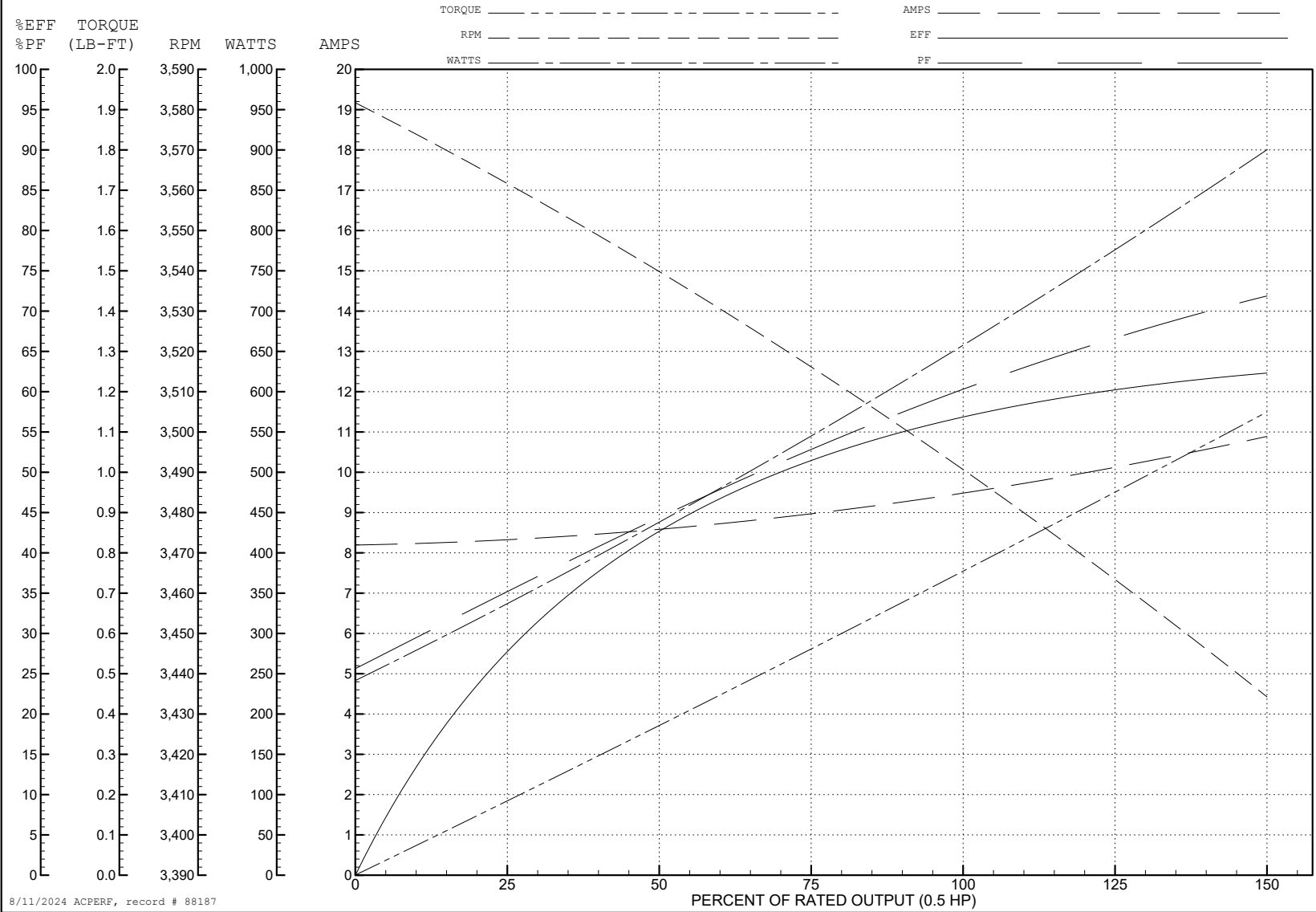
ABB Motors and Mechanical Inc.

WINDING # 34WG0656

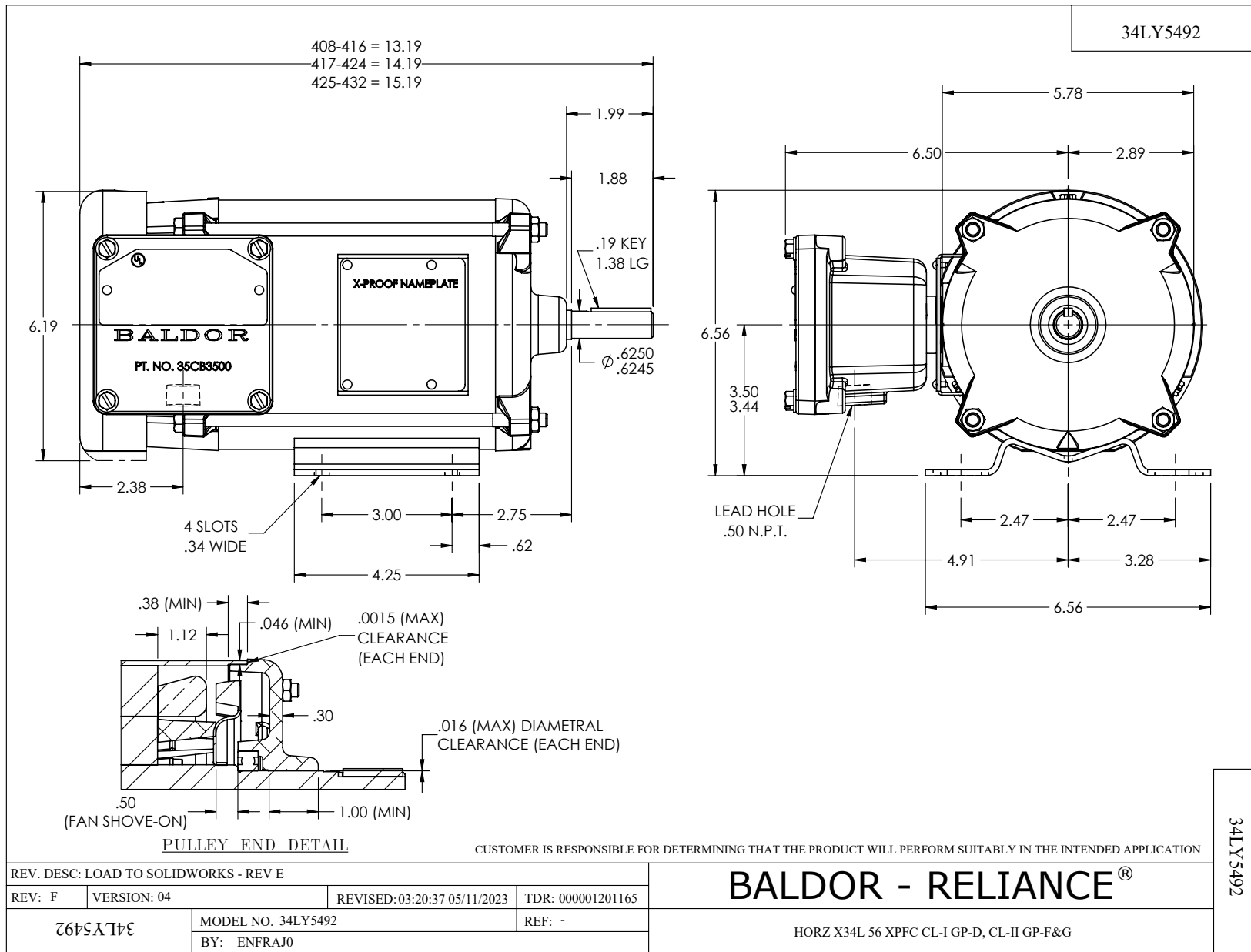
Typical performance - not guaranteed values.

0.5 HP 1 PH 60 HZ 3450 RPM 115 V 3420L

TORQUES (LB-FT): PO=2.82 PU=2.31 LR=3.13 LRA=44.9

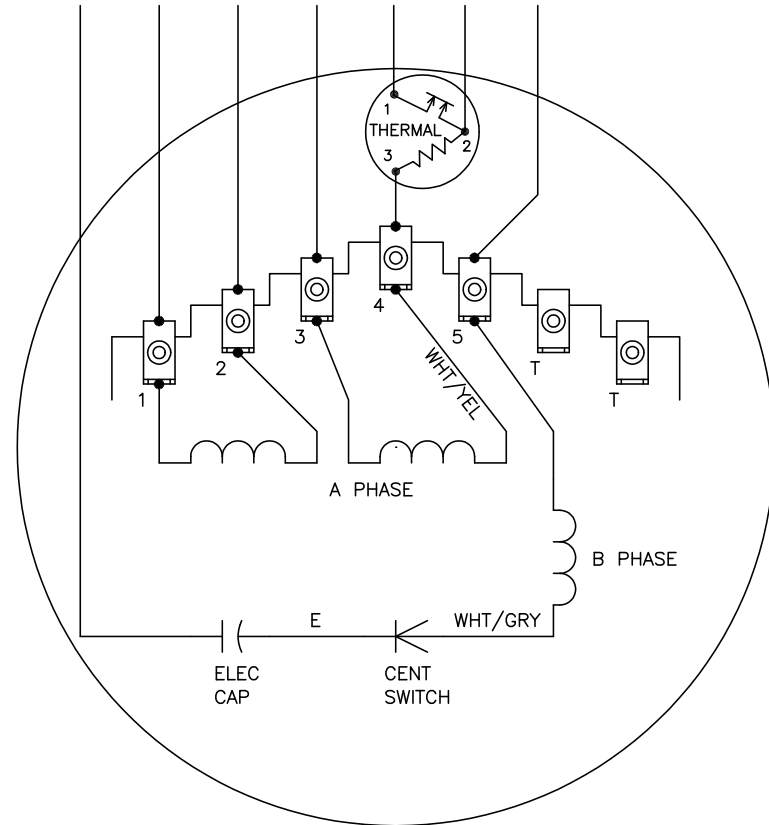


8/11/2024 ACPERF, record # 88187



CD0565

8-RED 1-BLU 2-WHT 3-ORG 4-YEL J-BRN 5-BLK

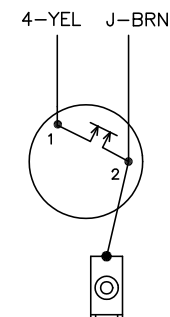


	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

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.

CONNECTIONS FOR TWO-TERMINAL THERMAL



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 04/08/99 3:25	TDR: 0178636
99000		FILE: AAA00014311	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, THERMAL, 7 LD, 34XP

CD0565