

ABB BALDOR RELIANCE III

Customer information packet

CXL050342A-50

.33HP, 1425RPM, 1PH, 50HZ, 56C, 3421L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

| | |
|---------------------------------------|--|
| Enclosure | XPFC |
| Frame | 56C |
| Frame Material | Steel |
| Frequency | 50.00 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 | .330 HP @ 50 HZ |
| Phase | 1 |
| Synchronous Speed @ Frequency | 1500 RPM @ 50 HZ |
| Voltage @ Frequency | 110.0 V @ 50 HZ 220.0 V @ 50 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 | 2.600 A @ 220.0 V 5.200 A @ 110.0 V |
| Design Code | N |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 59.5 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Haz Area Temp Code | T3C |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 2.6 a |
| Insulation Class | B |

Part Detail

| | |
|---------------------|------------|
| Revision | E |
| Type | AC |
| Mech. spec. | |
| Base | |
| Status | PRD/A |
| Elec. spec. | 34WGW777 |
| Layout | 34LY5328 |
| Eff. date | 09-04-2024 |
| CD Diagram | CD0565 |
| Poles | 04 |
| Leads | 7#18 |
| Proprietary | False |
| Created date | 03-30-2021 |

| | |
|-----------------------------------|----------------------------|
| 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 | 3421L |
| Mounting Arrangement | F1 |
| Number of Poles | 4 |
| Overall Length | 14.22 IN |
| Power Factor | 68 |
| Product Family | Hazardous Location Motor |
| 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 | 1425 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 | SK |
| Winding Thermal 2 | None |

Nameplate

| NP0016XPSL | | | | |
|-------------------|------------------------|----------------------|------|----------------|
| NO. | | CC | | |
| SER. # | | | | |
| SPEC | 34-0000-0410 | | | |
| CAT.NO. | CXL050342A-50 | | | |
| H.P. | .33 | T. CODE | T3C | |
| VOLTS | 110/220 | | | |
| AMPS | 5.2/2.6 | | | |
| R.P.M. | 1425 34WGW777 | | | |
| HZ | 50 | PH | 1 | CLASS B |
| SER.F. | 1.00 | DES | N | CODE L |
| RATING | 40C AMB-CONT | | | |
| FRAME | 56C | NEMA NOM. EFF | 59.5 | |
| | PF | 68 | | |
| BLANK | NEMA MG-1 PART 5, IP54 | | | |

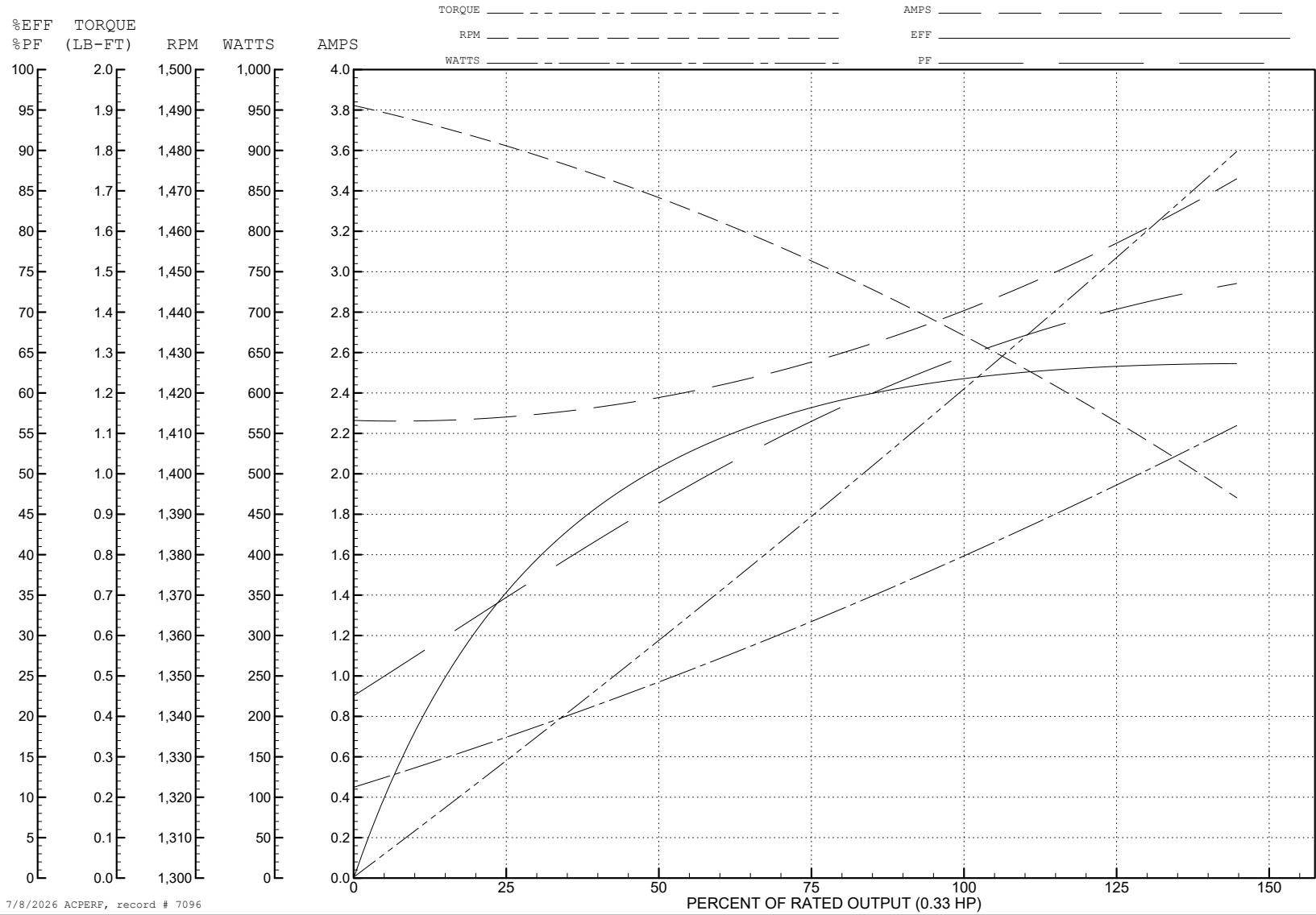
ABB Motors and Mechanical Inc.

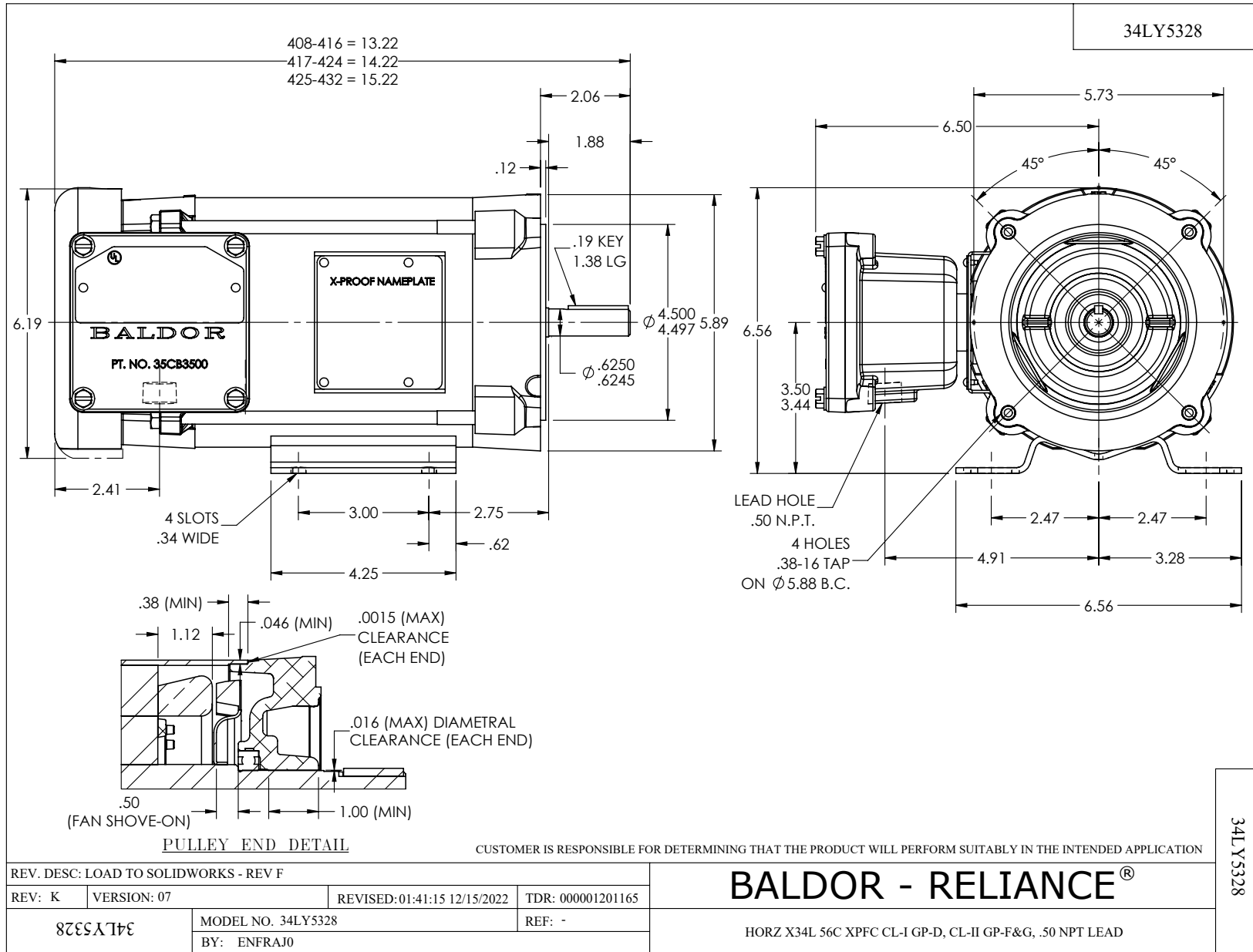
WINDING # 34WG777

Typical performance - not guaranteed values.

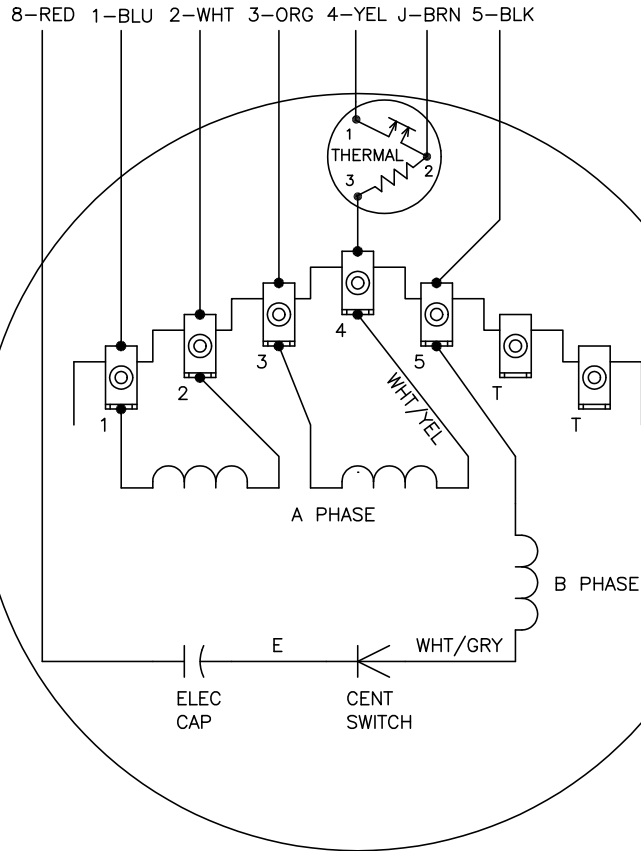
0.33 HP 1 PH 50 HZ 1425 RPM 220 V 3421L

TORQUES (LB-FT): PO=2.6 PU=1.9 LR=3.3 LRA=13





CD0565

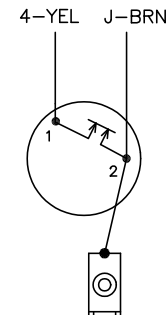


| | LINE A | LINE B | JOIN | JOIN |
|----------|--------|--------|-------|-------|
| HIGH STD | 1 | 4 | 2,3,8 | J,5 |
| HIGH OPP | 1 | 4 | 2,3,5 | J,8 |
| LOW STD | 1,3,8 | 4 | - | 2,J,5 |
| LOW OPP | 1,3,5 | 4 | - | 2,J,8 |

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