ABB BALDOR RELIANCE

# Customer information packet

## VXM050242A

0.25HP, 1725RPM, 3PH, 60HZ, 56C, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division - Division I

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/15/2026 9:17:35 PM

## 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** | Three Phase |
| **Output @ Frequency** | .250 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| | 208.0 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** | No Mounting |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | .650 A @ 460.0 V |
| | 1.300 A @ 230.0 V |
| | 1.400 A @ 208.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 63.0 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Haz Area Temp Code** | T3C |
| **Heater Indicator** | No Heater |

## Part Detail

| | |
|---|---|
| **Revision** | C |
| **Type** | AC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 34WG5724 |
| **Layout** | 34LY5336 |
| **Eff. date** | 05-01-2024 |
| **CD Diagram** | CD0007 |
| **Poles** | 04 |
| **Leads** | 12#18 |
| **Proprietary** | False |
| **Created date** | 08-06-2020 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 0.7 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** | 3410M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 13.22 IN |
| **Power Factor** | 56 |
| **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** | 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** | 34-0000-0389 | | | | | | |
| **CAT.NO.** | VXM050242A | | | | | | |
| **H.P.** | .25 | | **T. CODE** | T3C | | | |
| **VOLTS** | 208-230/460 | | | | | | |
| **AMPS** | 1.4-1.3/.65 | | | | | | |
| **R.P.M.** | 1725 34WG5724 | | | | | | |
| **HZ** | 60 | **PH** | 3 | | **CLASS** | B | |
| **SER.F.** | 1.00 | | **DES** | B | **CODE** | L | |
| **RATING** | 40C AMB-CONT | | | | | | |
| **FRAME** | 56C | | | | **NEMA NOM. EFF** | 63 | |
| | | **PF** | 56 | | | | |
| **BLANK** | NEMA MG-1 PART 5, IP54 | | | | | | |

**AC Induction Motor Performance Data**
Record # 16504
Typical performance - not guaranteed values

| **Winding:** 34WG5724-R001 | **Type:** 3410M | **Enclosure:** XPFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 0.25 | **Full Load Torque** | 0.75 LB-FT |
| **Volts** | | | 208-230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 1.4-1.3/0.65 | **Breakdown Torque** | 3.47 LB-FT |
| **R.P.M.** | | | 1725 | **Pull-up Torque** | 2.27 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 2.57 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | L | **Starting Current** | 3.45 A |
| **Service Factor (S.F.)** | | | 1 | **No-load Current** | 0.6 A |
| **NEMA Nom. Eff.** | 63 | **Power Factor** | 56 | **Line-line Res. @ 25ºC** | 70.7 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | |

**Load Characteristics 460 V, 60 Hz, 0.25 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|
| **Power Factor** | 23 | 33 | 43 | 54 | 60 | 68 |
| **Efficiency** | 40.1 | 55.5 | 62.5 | 64 | 64.9 | 64.5 |
| **Speed** | 1785 | 1772 | 1758 | 1743 | 1729 | 1713 |
| **Line amperes** | 0.64 | 0.65 | 0.66 | 0.67 | 0.74 | 0.79 |

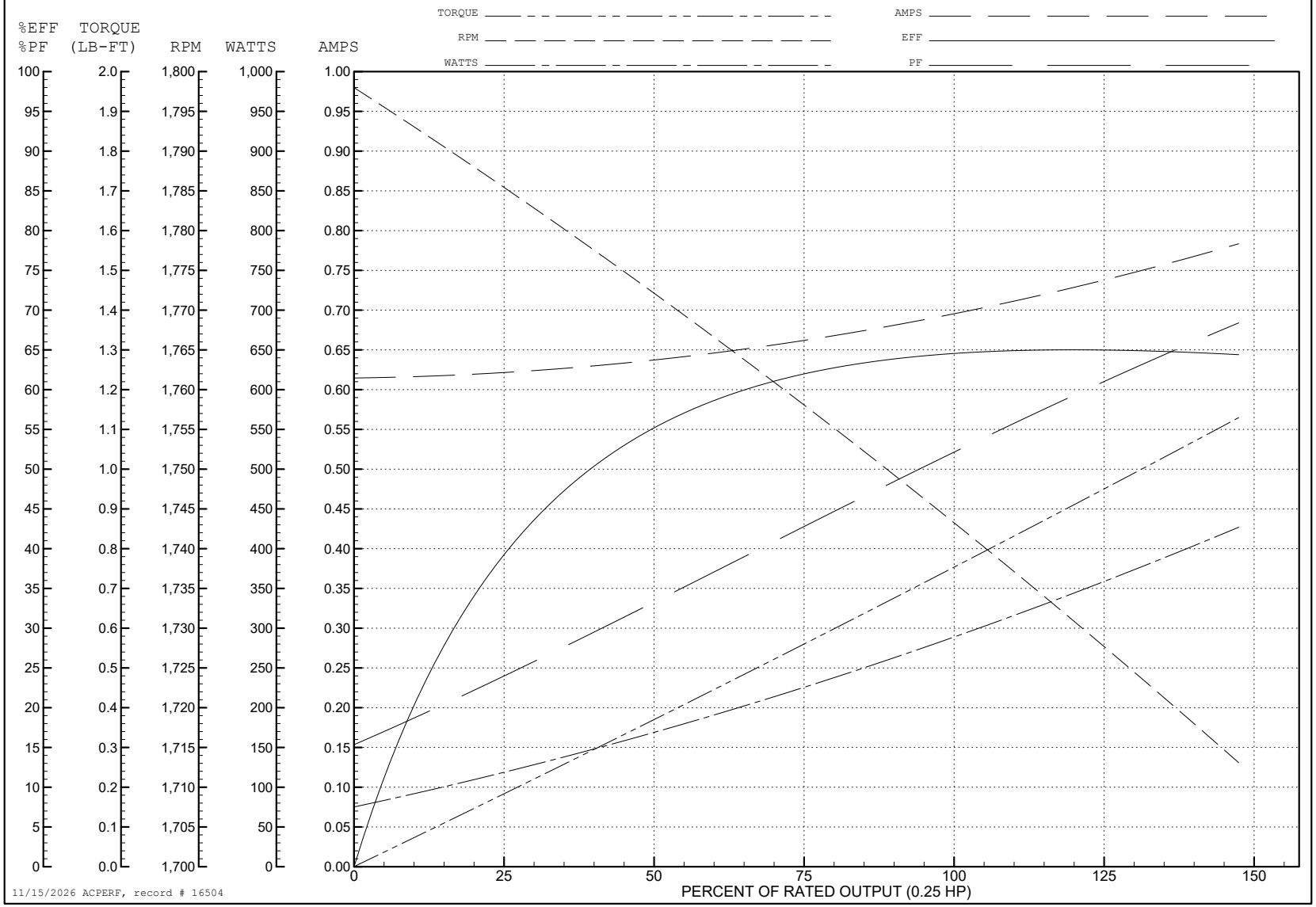
ABB Motors and Mechanical Inc.

WINDING # 34WG5724

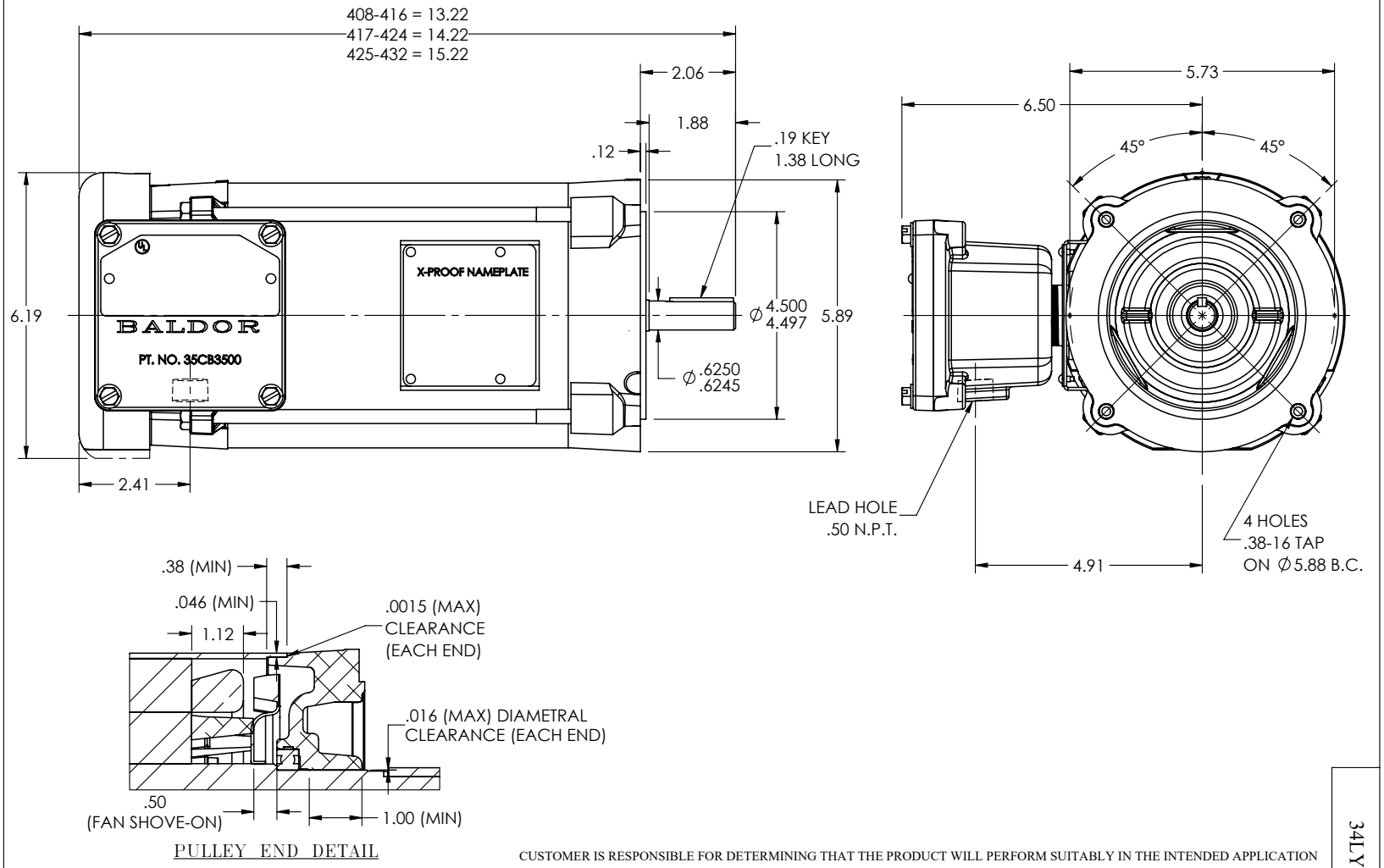
0.25 HP 3 PH 60 HZ 1725 RPM 460 V 3410M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=3.47 PU=2.27 LR=2.57 LRA=3.45



34LY5336




PULLEY END DETAIL

CUSTOMER IS responsible FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

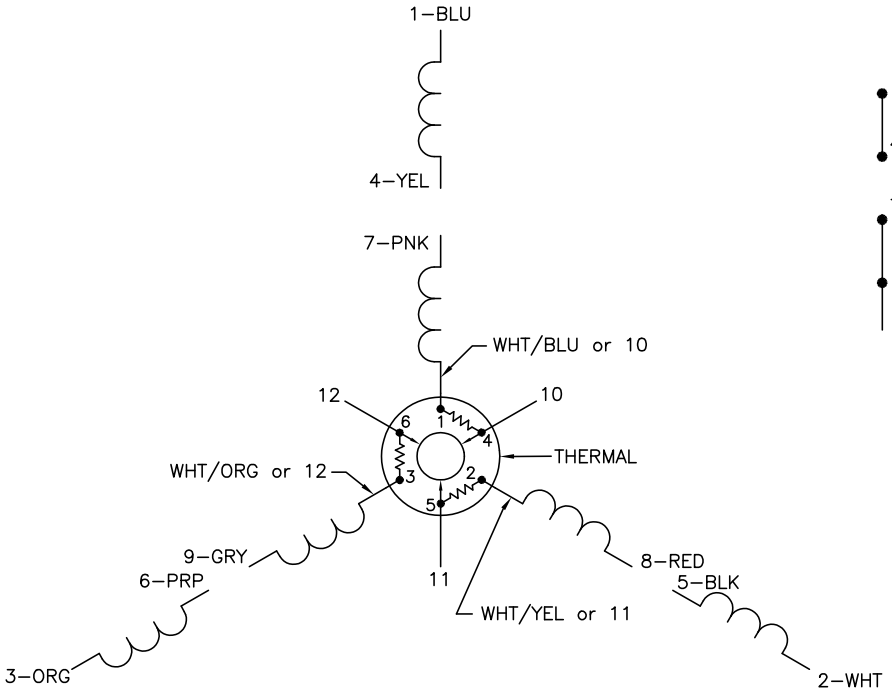
| | | | |
|---|---|---|---|
| REV. DESC: LOAD TO SOLIDWORKS - REV K | | | |
| REV: L | VERSION: 08 | REVISED: 08:27:57 04/05/2023 | TDR: 000001201165 |
| 34LY5336 | MODEL NO. 34LY5336 | | REF: - |
| | BY: ENFRAJ0 | | |

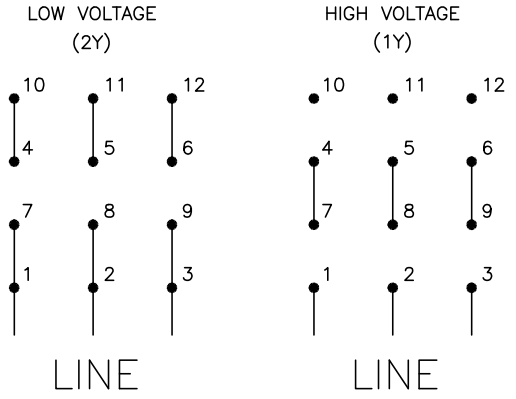
BALDOR - RELIANCE®

STD VERT X34M NEMA 56C TEFC W/ATO CL1 GP D, CL2 GP F & G

34LY5336

CD0007




NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

| | | | |
|---|---|---|---|
| REV. DESC: ADDED "CK" PLANT CODE | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: EAH | REVISED: 05/06/99 17:1 | TDR: 0181040 |
| CD0007 | | FILE: AAA00008370 | MDL: – |
| | | MTL: – | 3PH, DV, THERMAL, 12 LEADS |

CD0007