

# ABB BALDOR RELIANCE III

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## Customer information packet

### XM040242A

0.25HP, 1725RPM, 3PH, 60HZ, 48, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

**Specifications**

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| <b>Enclosure</b>                      | XPFC                                                       |
| <b>Frame</b>                          | 48                                                         |
| <b>Frame Material</b>                 | Steel                                                      |
| <b>Frequency</b>                      | 60.00 Hz                                                   |
| <b>Haz Area Class and Group</b>       | CLI GP D; CLII GP F,G                                      |
| <b>Haz Area Division</b>              | Division I                                                 |
| <b>Motor Letter Type</b>              | Three Phase                                                |
| <b>Output @ Frequency</b>             | .250 HP @ 60 HZ                                            |
| <b>Phase</b>                          | 3                                                          |
| <b>Synchronous Speed @ Frequency</b>  | 1800 RPM @ 60 HZ                                           |
| <b>Voltage @ Frequency</b>            | 460.0 V @ 60 HZ<br>208.0 V @ 60 HZ<br>230.0 V @ 60 HZ      |
| <b>Agency Approvals</b>               | CSA<br>UL                                                  |
| <b>Ambient Temperature</b>            | 40 °C                                                      |
| <b>Auxiliary Box</b>                  | NO AUXILLARY BOX                                           |
| <b>Auxiliary Box Lead Termination</b> | None                                                       |
| <b>Base Indicator</b>                 | Rigid                                                      |
| <b>Bearing Grease Type</b>            | Polyrex EM (-20F +300F)                                    |
| <b>Blower</b>                         | None                                                       |
| <b>Current @ Voltage</b>              | .650 A @ 460.0 V<br>1.300 A @ 230.0 V<br>1.400 A @ 208.0 V |
| <b>Design Code</b>                    | B                                                          |
| <b>Drip Cover</b>                     | No Drip Cover                                              |
| <b>Duty Rating</b>                    | CONT                                                       |
| <b>Efficiency @ 100% Load</b>         | 63.0 %                                                     |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                  |
| <b>Feedback Device</b>                | NO FEEDBACK                                                |
| <b>Haz Area Temp Code</b>             | T3C                                                        |
| <b>Heater Indicator</b>               | No Heater                                                  |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | G          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  |            |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 34WG5724   |
| <b>Layout</b>       | 34LY5427   |
| <b>Eff. date</b>    | 08-18-2026 |
| <b>CD Diagram</b>   | CD0007     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 12#18      |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 08-03-2020 |

|                             |                            |
|-----------------------------|----------------------------|
| 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              | 12.85 IN                   |
| Power Factor                | 56                         |
| Product Family              | General Purpose            |
| 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  | EP                         |
| Winding Thermal 2           | None                       |

Nameplate

| NP0016XPSL |                        |    |               |   |       |  |   |    |  |
|------------|------------------------|----|---------------|---|-------|--|---|----|--|
| NO.        |                        | CC |               |   |       |  |   |    |  |
| SER. #     |                        |    |               |   |       |  |   |    |  |
| SPEC       | 34-0000-0379           |    |               |   |       |  |   |    |  |
| CAT.NO.    | XM040242A              |    |               |   |       |  |   |    |  |
| 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      | 48                     |    | 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:<br>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     | Starting Current                         |                 | 3.45 A         |
| Service Factor (S.F.)  |    | 1            |              | No-load Current                          |                 | 0.6 A          |
| NEMA Nom. Eff.         |    | 63           | Power Factor | Line-line Res. @ 25°C                    |                 | 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 |

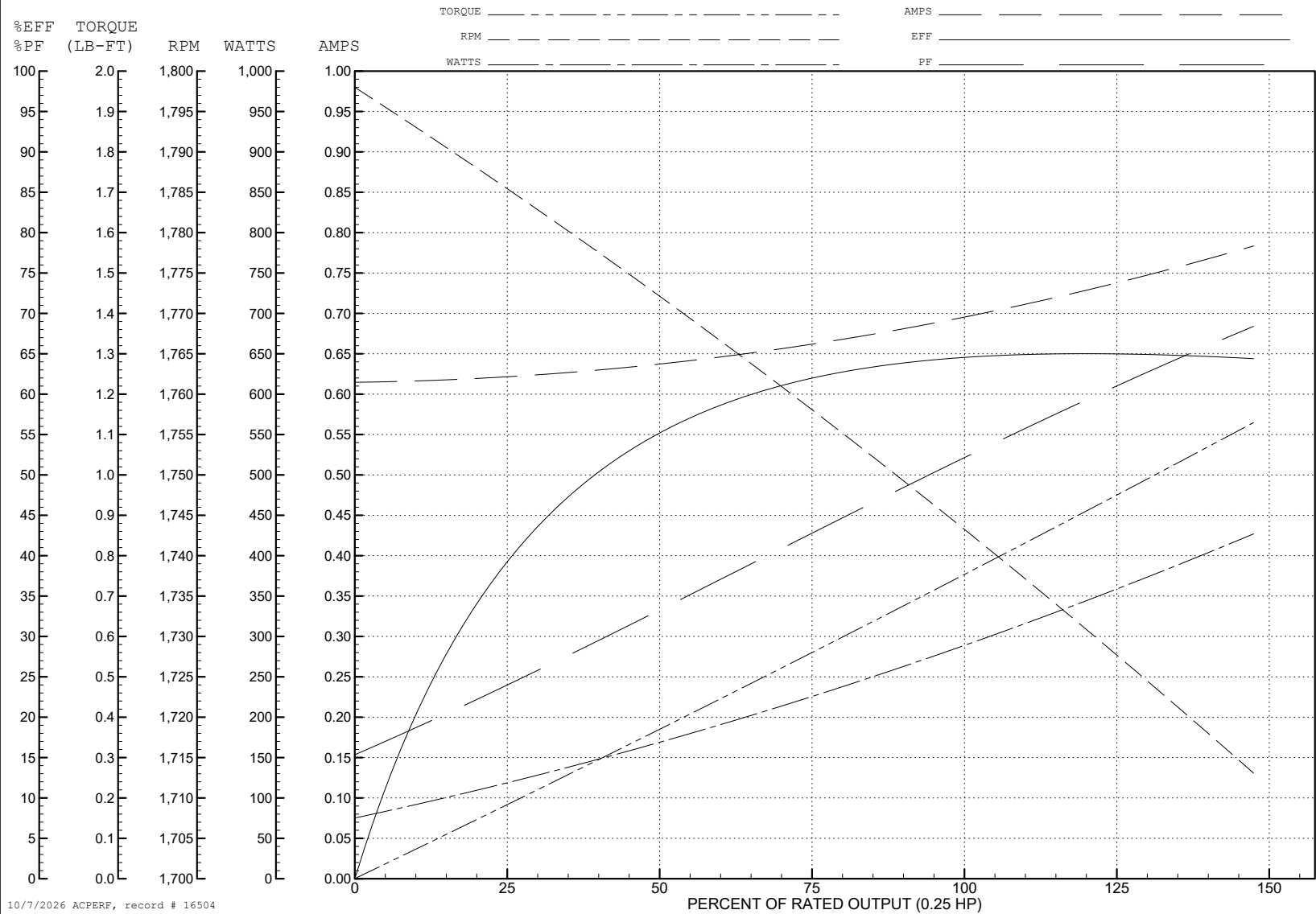
ABB Motors and Mechanical Inc.

WINDING # 34WG5724

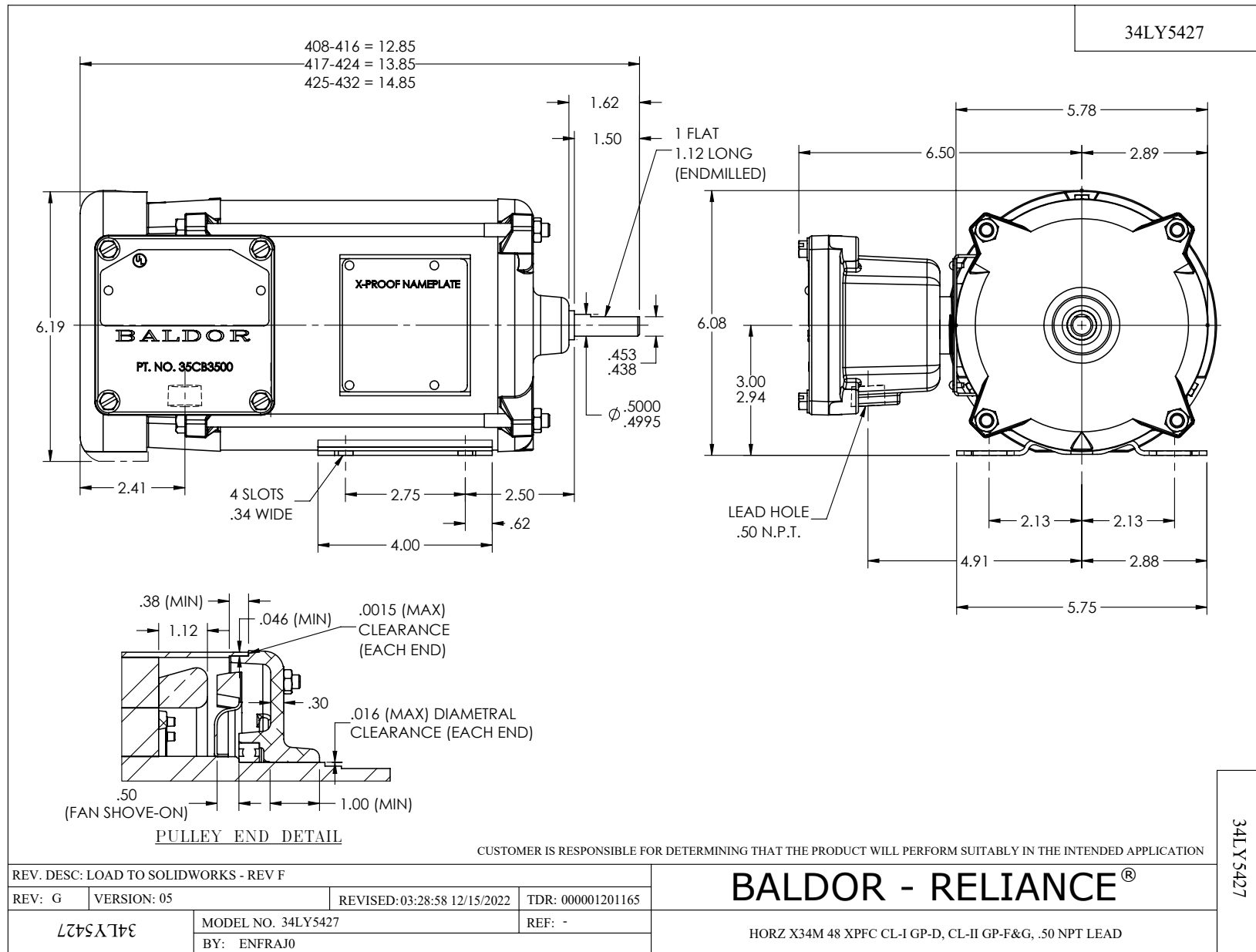
Typical performance - not guaranteed values.

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

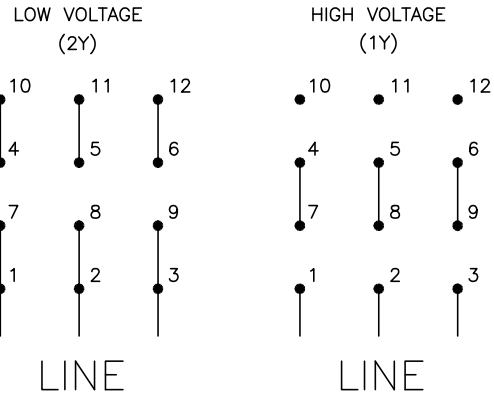
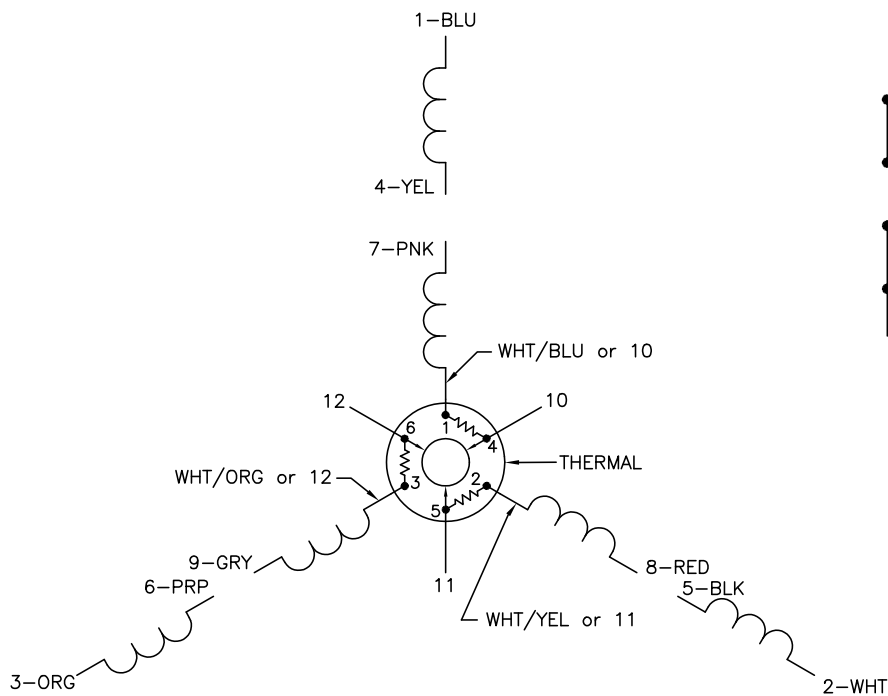
TORQUES (LB-FT) : PO=3.47 PU=2.27 LR=2.57 LRA=3.45



10/7/2026 ACPERF, record # 16504



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 |         |                        |              |
| REV. LTR: E                      | BY: EAH | REVISED: 05/06/99 17:1 | TDR: 0181040 |
| L00000                           |         | FILE: AAA00008370      | MDL: -       |
|                                  |         | MTL: -                 |              |

**BALDOR ELECTRIC Co.**

3PH, DV, THERMAL, 12 LEADS

CD0007