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# Customer information packet

## XL21542

5HP, 1740RPM, 1PH, 60HZ, 215, 3726LC, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

## Specifications

|                                |                           |
|--------------------------------|---------------------------|
| Enclosure                      | XPFC                      |
| Frame                          | 215                       |
| 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, Cap Run        |
| Output @ Frequency             | 5.000 HP @ 60 HZ          |
| Phase                          | 1                         |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ          |
| Voltage @ Frequency            | 230.0 V @ 60 HZ           |
| Agency Approvals               | CSA<br>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              | 19.700 A @ 230.0 V        |
| Design Code                    | L                         |
| Drip Cover                     | No Drip Cover             |
| Duty Rating                    | CONT                      |
| Efficiency @ 100% Load         | 84.0 %                    |
| Electrically Isolated Bearing  | Not Electrically Isolated |
| Feedback Device                | NO FEEDBACK               |
| Haz Area Temp Code             | T3C                       |
| Heater Indicator               | No Heater                 |
| High Voltage Full Load Amps    | 19.7 a                    |
| Insulation Class               | F                         |
| Inverter Code                  | Not Inverter              |
| IP Rating                      | NONE                      |

## Part detail

|              |                     |
|--------------|---------------------|
| Revision     | G                   |
| Type         | AC                  |
| Mech. spec.  |                     |
| Base         |                     |
| Status       | PRD/A               |
| Elec. spec.  | 37WGA0036           |
| Layout       | 37LY-000-362        |
| Eff. date    | 08-28-2025          |
| CD Diagram   | CD0017A02           |
| Poles        | 04                  |
| Leads        | 2#12 A PH,2#14 B PH |
| Proprietary  | False               |
| Created date | 04-30-2021          |

|                            |                            |
|----------------------------|----------------------------|
| KVA Code                   | G                          |
| Lifting Lugs               | Standard Lifting Lugs      |
| Locked Bearing Indicator   | No Locked Bearing          |
| Motor Lead Termination     | Flying Leads               |
| Motor Standards            | NEMA                       |
| Motor Type                 | 3726LC                     |
| Mounting Arrangement       | F1                         |
| Number of Poles            | 4                          |
| Overall Length             | 18.76 IN                   |
| Power Factor               | 96                         |
| Product Family             | General Purpose            |
| Pulley Face Code           | Standard                   |
| Rodent Screen              | None                       |
| Service Factor             | 1.15                       |
| Shaft Diameter             | 1.125 IN                   |
| Shaft Ground Indicator     | No Shaft Grounding         |
| Shaft Rotation             | Reversible                 |
| Speed                      | 1740 rpm                   |
| Speed Code                 | Single Speed               |
| Starting Method            | Direct on line             |
| Thermal Device - Bearing   | None                       |
| Thermal Device - Winding   | Normally Closed Thermostat |
| Vibration Sensor Indicator | No Vibration Sensor        |
| Winding Thermal 1          | None                       |
| Winding Thermal 2          | None                       |

## Nameplate

| NP1426XPSL |                        |              |    |   |      |  |   |   |    |
|------------|------------------------|--------------|----|---|------|--|---|---|----|
| NO.        |                        | CC           |    |   |      |  |   |   |    |
| SER.       |                        |              |    |   |      |  |   |   |    |
| SPEC.      | 37-0000-0390           |              |    |   |      |  |   |   |    |
| CAT.NO.    | XL21542                |              |    |   |      |  |   |   |    |
| HP         | 5                      | T. CODE      |    |   | T3C  |  |   |   |    |
| VOLTS      | 230                    |              |    |   |      |  |   |   |    |
| AMPS       | 19.7                   |              |    |   |      |  |   |   |    |
| RPM        | 1740                   |              |    |   |      |  |   |   |    |
| HZ         | 60                     | PH           |    | 1 | CL   |  | F |   |    |
| SER.F.     | 1.15                   | DES          |    | L | CODE |  |   | G |    |
| RATING     | 40C AMB-CONT           |              |    |   |      |  |   |   |    |
| FRAME      | 215                    | NEMA-NOM-EFF |    |   |      |  |   |   | 84 |
|            |                        | PF           | 96 |   |      |  |   |   |    |
| BLANK      | NEMA MG-1 PART 5, IP54 |              |    |   |      |  |   |   |    |

## AC Induction Motor Performance Data

Record # 87412

Typical performance - not guaranteed values

| Winding: 37WGT877-R001 |  |      |  | Type: 3726LC                          |  | Enclosure: TEFC                 |  |
|------------------------|--|------|--|---------------------------------------|--|---------------------------------|--|
| Nameplate Data         |  |      |  | 230 V, 60 Hz:<br>Single Voltage Motor |  |                                 |  |
| Rated Output (HP)      |  | 5    |  | Full Load Torque                      |  | 15.14 LB-FT                     |  |
| Volts                  |  | 230  |  | Start Configuration                   |  | Unknown                         |  |
| Full Load Amps         |  | 20.5 |  | Breakdown Torque                      |  | 35.4 LB-FT                      |  |
| R.P.M.                 |  | 1750 |  | Pull-up Torque                        |  | 34.2 LB-FT                      |  |
| Hz                     |  | 60   |  | Phase                                 |  | 1                               |  |
| NEMA Design Code       |  | L    |  | KVA Code                              |  | H                               |  |
| Service Factor (S.F.)  |  | 1.15 |  | No-load Current                       |  | 6.54 A                          |  |
| NEMA Nom. Eff.         |  | 84   |  | Power Factor                          |  | 93                              |  |
| Rating - Duty          |  | 40C  |  | AMB-CONT                              |  | Temp. Rise @ Rated Load         |  |
| S.F. Amps              |  |      |  |                                       |  | Temp. Rise @ S.F. Load          |  |
|                        |  |      |  |                                       |  | 0.41482 Ω A Ph<br>1.1316 Ω B Ph |  |
|                        |  |      |  |                                       |  | 64°C                            |  |
|                        |  |      |  |                                       |  | 77°C                            |  |

## Load Characteristics 230 V, 60 Hz, 5 HP

| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor    | 73     | 87     | 92     | 93     | 94     | 93     | 94   |
| Efficiency      | 66.3   | 80.1   | 84.7   | 85.3   | 84.1   | 81.1   | 84.6 |
| Speed           | 1789.1 | 1777.2 | 1764.6 | 1751.5 | 1734.9 | 1713.8 | 1742 |
| Line amperes    | 8.1    | 11.6   | 15.8   | 20.6   | 25.7   | 32.3   | 23.7 |

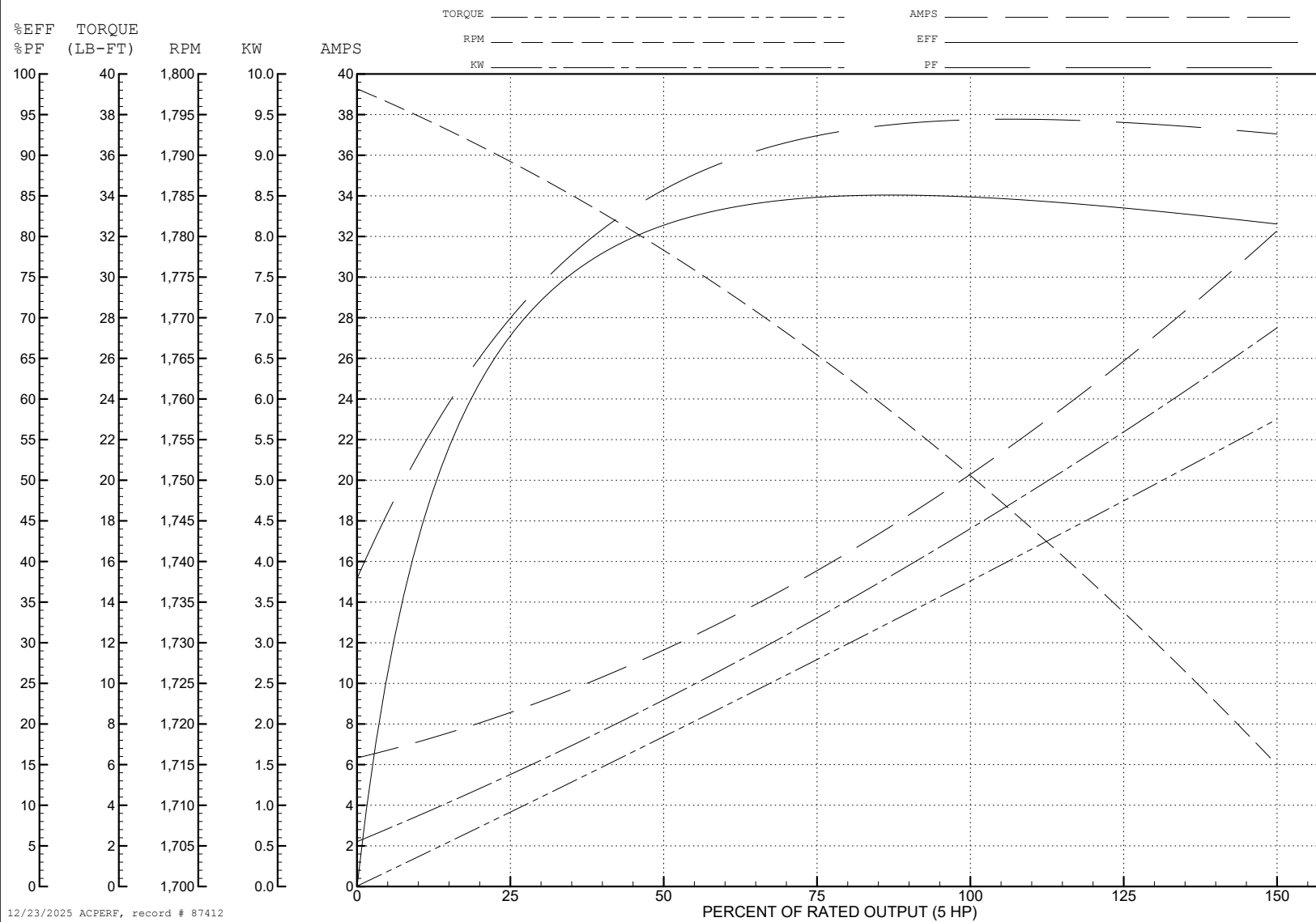
ABB Motors and Mechanical Inc.

WINDING # 37WGT877

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1750 RPM 230 V 3726LC

TORQUES (LB-FT): PO=35.4 PU=34.2 LR=38.3 LRA=133



12/23/2025 ACPERF, record # 87412

## AC Induction Motor Performance Data

Record # 88068

Typical performance - not guaranteed values

| Winding: 37WGA0036-R001 |  |              |  | Type: 3726LC                          |  | Enclosure: TEFC     |  |                           |  |                            |  |
|-------------------------|--|--------------|--|---------------------------------------|--|---------------------|--|---------------------------|--|----------------------------|--|
| Nameplate Data          |  |              |  | 230 V, 60 Hz:<br>Single Voltage Motor |  |                     |  |                           |  |                            |  |
| Rated Output (HP)       |  | 5            |  | Full Load Torque                      |  | 14.93 LB-FT         |  |                           |  |                            |  |
| Volts                   |  | 230          |  | Start Configuration                   |  | direct on line      |  |                           |  |                            |  |
| Full Load Amps          |  | 19.7         |  | Breakdown Torque                      |  | 29.1 LB-FT          |  |                           |  |                            |  |
| R.P.M.                  |  | 1740         |  | Pull-up Torque                        |  | 29.7 LB-FT          |  |                           |  |                            |  |
| Hz                      |  | 60 Phase     |  | 1                                     |  | Locked-rotor Torque |  | 26.7 LB-FT                |  |                            |  |
| NEMA Design Code        |  | L            |  | KVA Code                              |  | G                   |  | Starting Current          |  | 97.4 A                     |  |
| Service Factor (S.F.)   |  | 1.15         |  |                                       |  |                     |  | No-load Current           |  | 2.56 A                     |  |
| NEMA Nom. Eff.          |  | 84           |  | Power Factor                          |  | 96                  |  | Line-line Res. @ 25°C     |  | 0.463 Ω A Ph<br>1.7 Ω B Ph |  |
| Rating - Duty           |  | 40C AMB-CONT |  |                                       |  |                     |  | Temp. Rise @ Rated Load   |  | 58°C                       |  |
| S.F. Amps               |  |              |  |                                       |  |                     |  | Temp. Rise @ S.F. Load    |  | 70°C                       |  |
|                         |  |              |  |                                       |  |                     |  | Locked-rotor Power Factor |  | 91                         |  |
|                         |  |              |  |                                       |  |                     |  | Rotor inertia             |  | 0.639 lb-ft²               |  |

## Load Characteristics 230 V, 60 Hz, 5 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125   | 150   | S.F. |
|-----------------|------|------|------|------|-------|-------|------|
| Power Factor    | 99   | 99   | 99   | 99   | 99    | 98    | 98   |
| Efficiency      | 73.3 | 84.7 | 88   | 84.7 | 88.3  | 86.1  | 88.5 |
| Speed           | 1790 | 1781 | 1769 | 1740 | 1743  | 1725  | 1756 |
| Line amperes    | 5.02 | 9.07 | 13.3 | 19.7 | 22.99 | 28.83 | 21.4 |

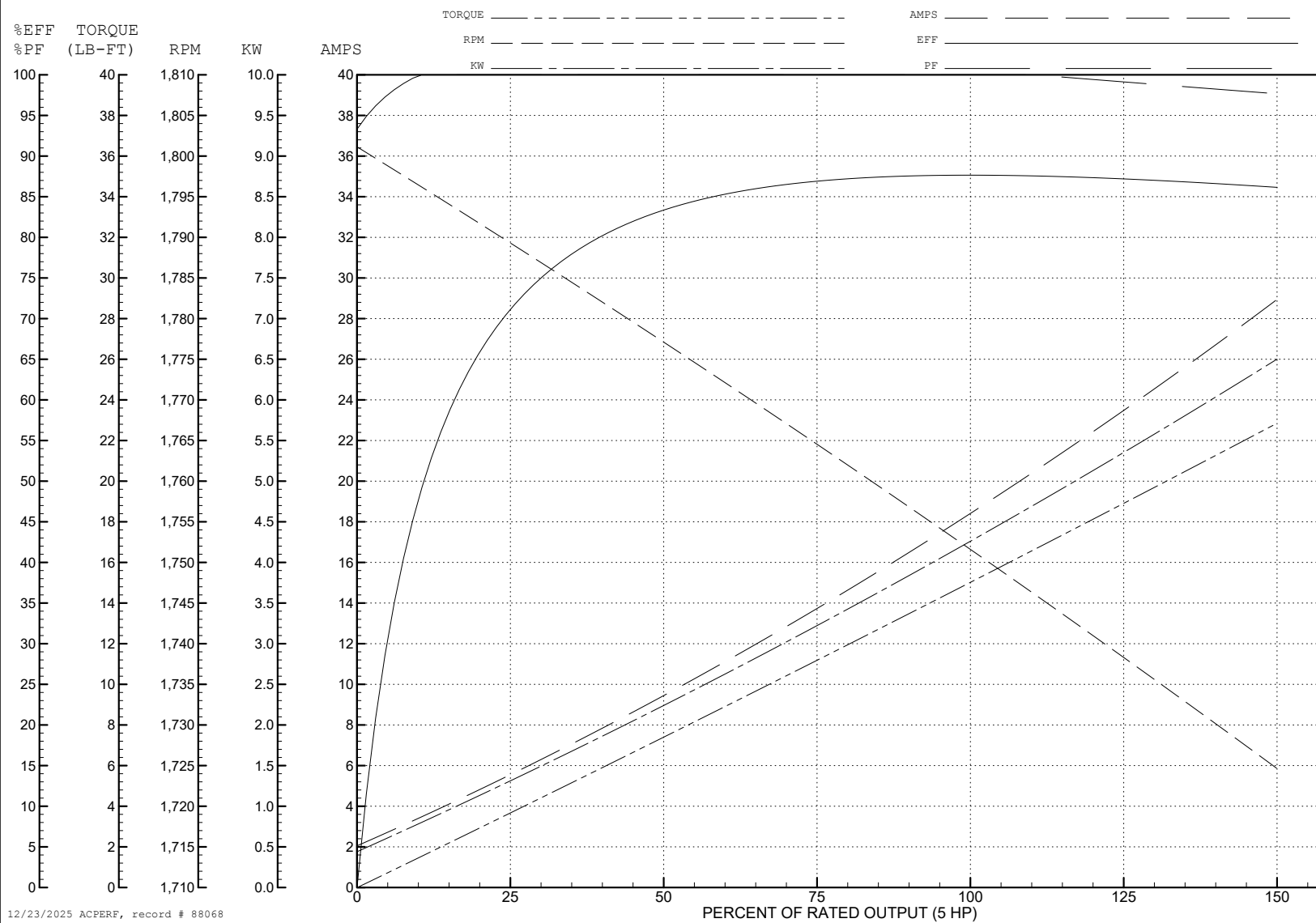
ABB Motors and Mechanical Inc.

WINDING # 37WGA0036

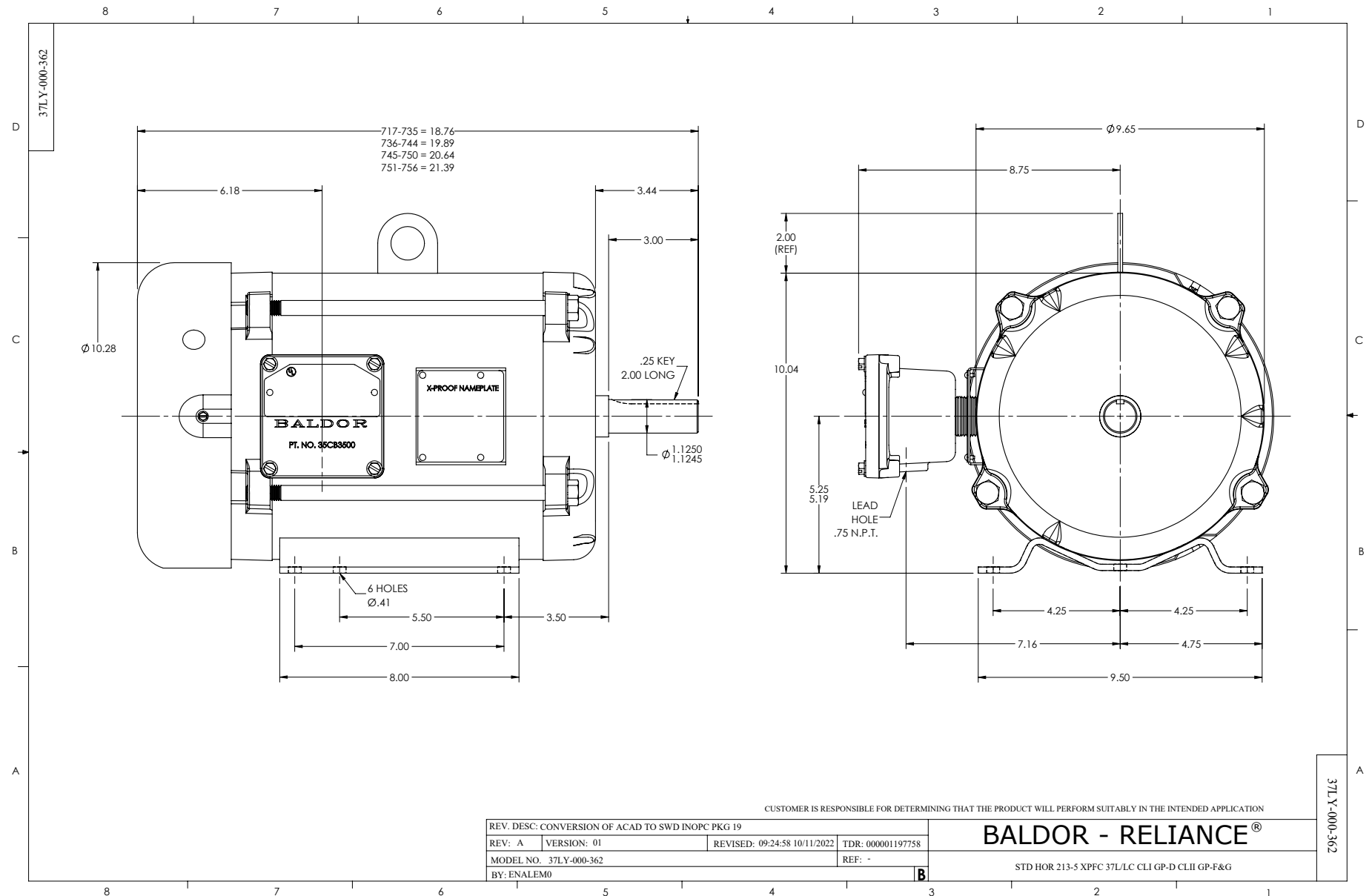
Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1740 RPM 230 V 3726LC

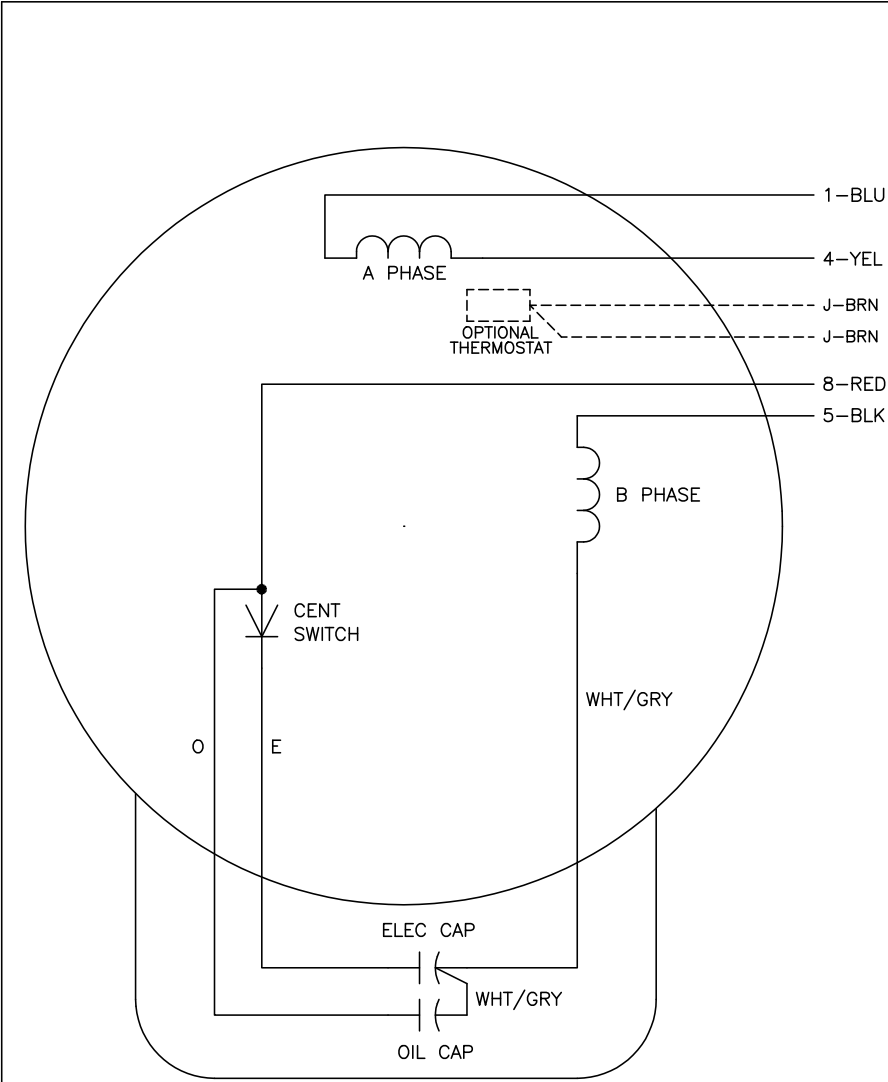
TORQUES (LB-FT): PO=29.1 PU=29.7 LR=26.7 LRA=97.4







CD0017A02



|     | LINE A | LINE B |
|-----|--------|--------|
| STD | 1,8    | 4,5    |
| OPP | 1,5    | 4,8    |

- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
  2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
  3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
  4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

|                                           |         |                         |              |
|-------------------------------------------|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                         |              |
| REV. LTR: B                               | BY: JLP | REVISED: 04/09/99 11:30 | TDR: 0178636 |
| CD0017A02                                 |         | FILE: AAA00007514       | MDL: -       |
|                                           |         | MTL: -                  |              |

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, 4 LEADS

CD0017A02