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# Customer information packet

## XM18342T

32M 4P XPFC HOR 182T T'STATS INVERTER

Class - CLI GP D; CLII GP F,G

Division - Division I

## Specifications

|                                |                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------|
| Enclosure                      | XPFC                                                                                                  |
| Frame                          | 182T                                                                                                  |
| Frame Material                 | Steel                                                                                                 |
| Frequency                      | 50.00 Hz<br>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             | 3.000 HP @ 60 HZ<br>2.000 HP @ 50 HZ                                                                  |
| Phase                          | 3                                                                                                     |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                                                                                      |
| Voltage @ Frequency            | 190.0 V @ 50 HZ<br>230.0 V @ 60 HZ<br>380.0 V @ 50 HZ<br>460.0 V @ 60 HZ                              |
| Agency Approvals               | CSA EEV<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                                                                                                  |
| Constant Torque Speed Range    | 1.3                                                                                                   |
| Current @ Voltage              | 3.600 A @ 380.0 V<br>4.200 A @ 460.0 V<br>7.200 A @ 190.0 V<br>8.400 A @ 230.0 V<br>9.000 A @ 208.0 V |
| Design Code                    | B                                                                                                     |
| Drip Cover                     | No Drip Cover                                                                                         |

## Part detail

|              |            |
|--------------|------------|
| Revision     | F          |
| Type         | AC         |
| Mech. spec.  | 36R726     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 36WGR947   |
| Layout       | 36LYR726   |
| Eff. date    | 04-22-2025 |
| CD Diagram   | CD0005     |
| Poles        | 04         |
| Leads        | 9#16       |
| Proprietary  | False      |
| Created date | 12-19-2018 |

|                               |                           |
|-------------------------------|---------------------------|
| Duty Rating                   | CONT                      |
| Efficiency @ 100% Load        | 89.5 %                    |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device               | NO FEEDBACK               |
| Front Shaft Indicator         | None                      |
| Haz Area Temp Code            | T3C                       |
| Heater Indicator              | No Heater                 |
| High Voltage Full Load Amps   | 3.6 a                     |
| Insulation Class              | F                         |
| Inverter Code                 | Inverter Duty             |
| IP Rating                     | NONE                      |
| KVA Code                      | K                         |
| Lifting Lugs                  | No Lifting Lugs           |
| Locked Bearing Indicator      | No Locked Bearing         |
| Max Speed                     | 2700 rpm                  |
| Motor Lead Quantity/Wire Size | 9 @ 16 AWG                |
| Motor Lead Termination        | Flying Leads              |
| Motor Standards               | NEMA                      |
| Motor Type                    | X3632M                    |
| Mounting Arrangement          | F1                        |
| Number of Poles               | 4                         |
| Overall Length                | 18.93 IN                  |
| Power Factor                  | 75                        |
| Product Family                | General Purpose           |
| Pulley End Bearing Type       | Ball                      |
| Pulley Face Code              | Standard                  |
| Pulley Shaft Indicator        | Standard                  |
| Rodent Screen                 | None                      |
| RoHS Status                   | ROHS NON-COMPLIANT        |
| Service Factor                | 1.00                      |
| Shaft Diameter                | 1.125 IN                  |
| Shaft Ground Indicator        | No Shaft Grounding        |
| Shaft Rotation                | Reversible                |
| Shaft Slinger Indicator       | No Slinger                |

|                            |                            |
|----------------------------|----------------------------|
| Speed                      | 1460 rpm                   |
|                            | 1760 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

| NP0887XPSLEV |                             |        |   |              |                  |            |      |          |    |  |  |
|--------------|-----------------------------|--------|---|--------------|------------------|------------|------|----------|----|--|--|
| NO.          |                             |        |   |              |                  | CC         | 010A |          |    |  |  |
| S/N          |                             |        |   |              |                  | TEMP CODE  | T3C  |          |    |  |  |
| SPEC.        | 36R726R947G1                |        |   |              |                  | INV.TYPE   | PWM  |          |    |  |  |
| CAT.NO.      | XM18342T                    |        |   |              |                  | C HP FR    | 60   | C HP TO  | 90 |  |  |
| HP           | 3//2                        |        |   |              |                  | CT HZ FROM | 1.3  | CT HZ TO | 60 |  |  |
| VOLTS        | 230/460//190/380            |        |   |              |                  | VT HZ FROM | 1.3  | VT HZ TO | 60 |  |  |
| AMPS         | 8.4/4.2//7.2/3.6            |        |   |              | MAG CUR          | 4.6/2.3    |      |          |    |  |  |
| RPM          | 1760//1460                  |        |   |              | MX RPM           | 2700       |      |          |    |  |  |
| HZ           | 60//50                      | PH     | 3 | CL           | F                | NOM.EFF.   | 89.5 |          |    |  |  |
| SER.F.       | 1.00                        | DES    | B | SL HZ        | 1.3              | WK2        | 0.3  |          |    |  |  |
| FRAME        | 182T                        | RATING |   | 40C AMB-CONT |                  |            |      |          |    |  |  |
|              | 55C AMB AT 1.00 SF SINEWAVE |        |   |              |                  |            |      |          |    |  |  |
|              | NEMA MG-1 PART 5, IP54      |        |   |              | 1.15 SF SINEWAVE |            |      |          |    |  |  |
|              |                             |        |   |              |                  |            |      |          |    |  |  |

**AC Induction Motor Performance Data**

Record # 73671

Typical performance - not guaranteed values

| Winding: 36WGR947-R038 |                  | Type: 3632M                              | Enclosure: XPFC |                           |                          |
|------------------------|------------------|------------------------------------------|-----------------|---------------------------|--------------------------|
| Nameplate Data         |                  | 460 V, 60 Hz:<br>High Voltage Connection |                 |                           |                          |
| Rated Output (HP)      | 3//2             | Full Load Torque                         | 8.89 LB-FT      |                           |                          |
| Volts                  | 230/460//190/380 | Start Configuration                      | direct on line  |                           |                          |
| Full Load Amps         | 8.4/4.2//7.2/3.6 | Breakdown Torque                         | 33.5 LB-FT      |                           |                          |
| R.P.M.                 | 1760//1460       | Pull-up Torque                           | 19.3 LB-FT      |                           |                          |
| Hz                     | 60//50           | Phase                                    | 3               | Locked-rotor Torque       | 22.7 LB-FT               |
| NEMA Design Code       | B                | KVA Code                                 | K               | Starting Current          | 32 A                     |
| Service Factor (S.F.)  |                  |                                          | 1               | No-load Current           | 2.33 A                   |
| NEMA Nom. Eff.         | 89.5             | Power Factor                             | 75              | Line-line Res. @ 25°C     | 3.81 Ω                   |
| Rating - Duty          | 40C              | AMB-CONT                                 |                 | Temp. Rise @ Rated Load   | 41°C                     |
|                        |                  |                                          |                 | Locked-rotor Power Factor | 42.2                     |
|                        |                  |                                          |                 | Rotor inertia             | 0.298 LB-FT <sup>2</sup> |

**Load Characteristics 460 V, 60 Hz, 3 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  |
|-----------------|------|------|------|------|------|------|
| Power Factor    | 35   | 55   | 68   | 75   | 80   | 82   |
| Efficiency      | 77.3 | 85.5 | 88   | 88.4 | 87.8 | 86.8 |
| Speed           | 1791 | 1781 | 1771 | 1761 | 1749 | 1737 |
| Line amperes    | 2.52 | 2.91 | 3.46 | 4.19 | 4.99 | 5.85 |

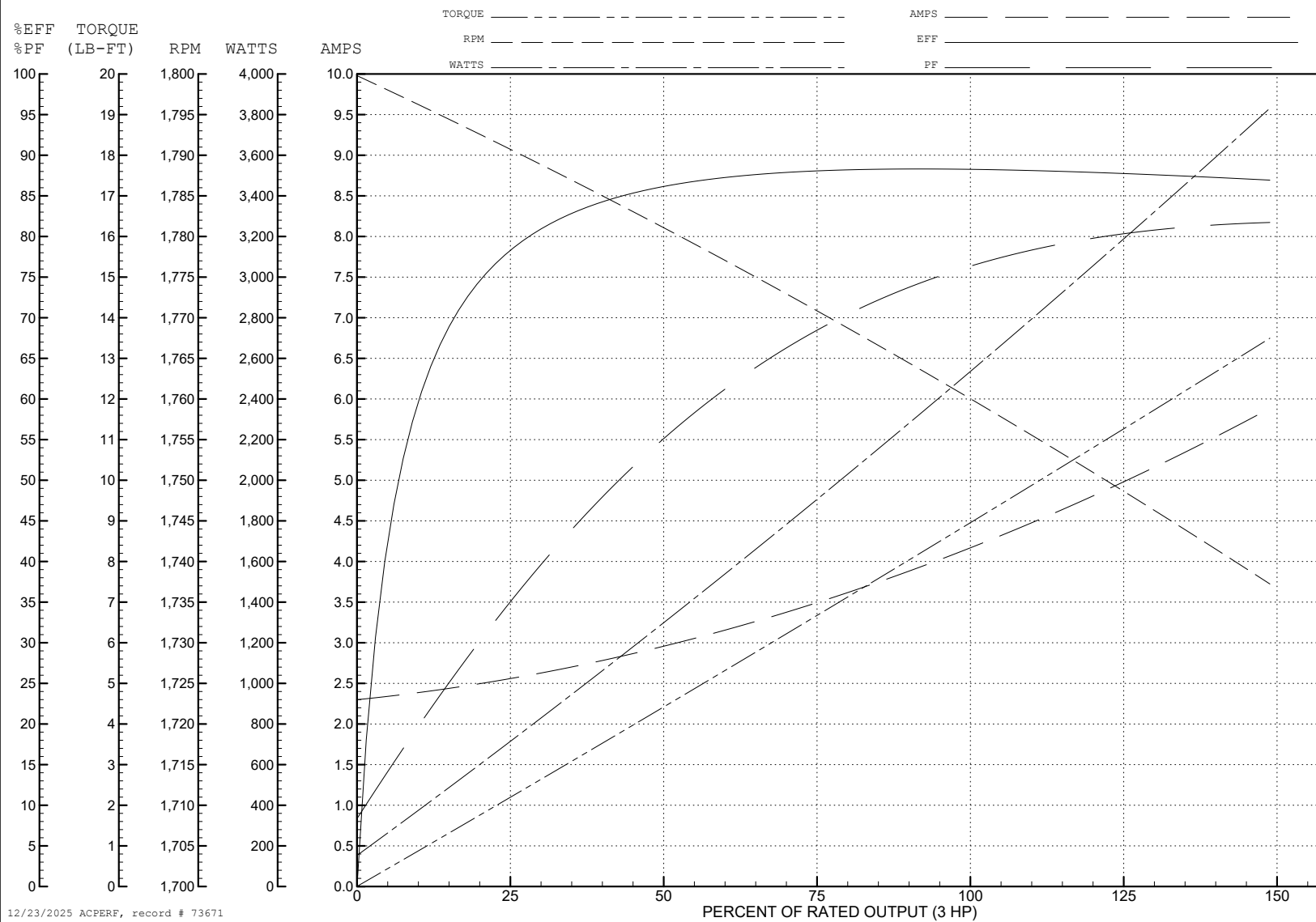
ABB Motors and Mechanical Inc.

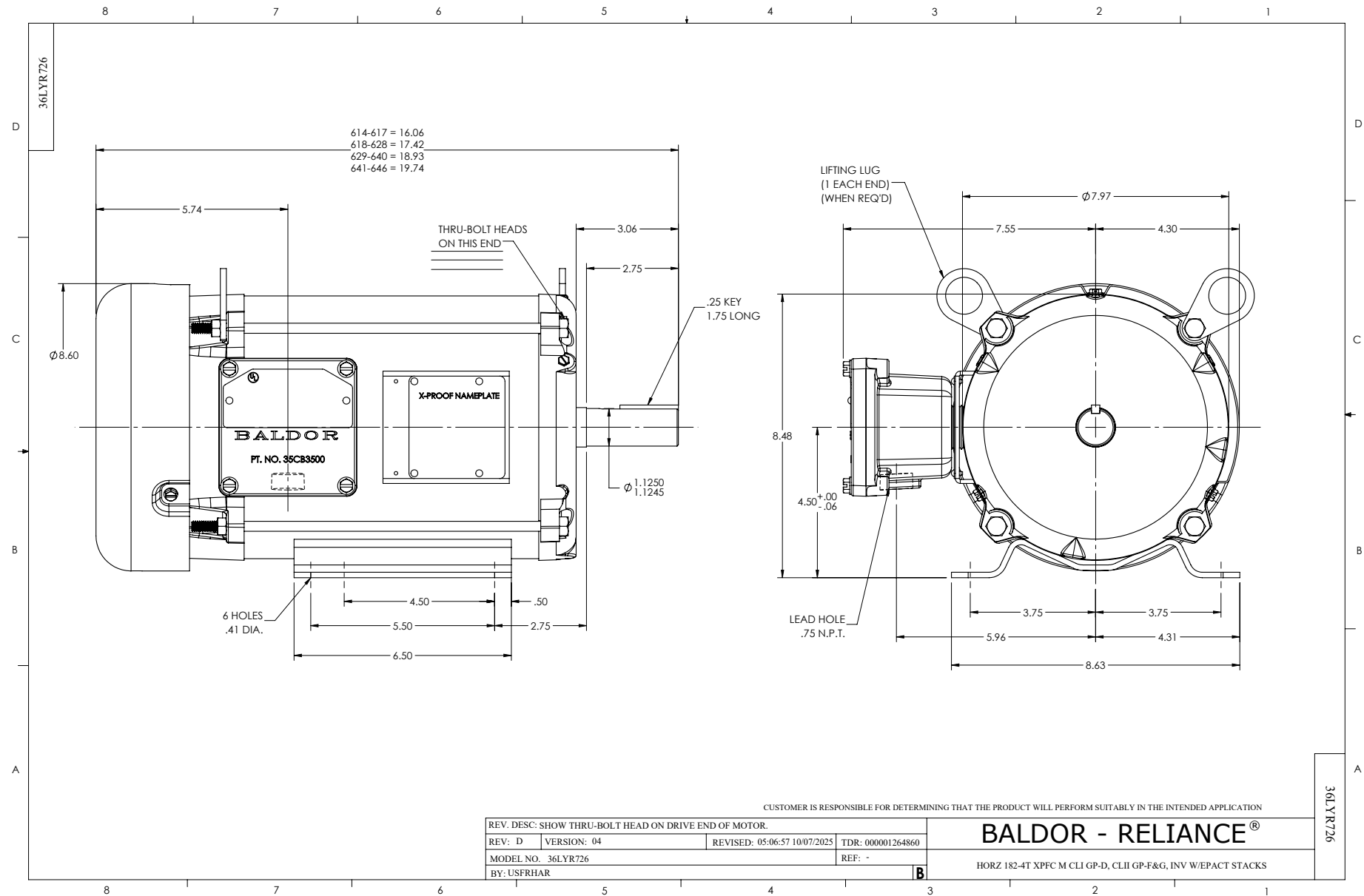
WINDING # 36WGR947

Typical performance - not guaranteed values.

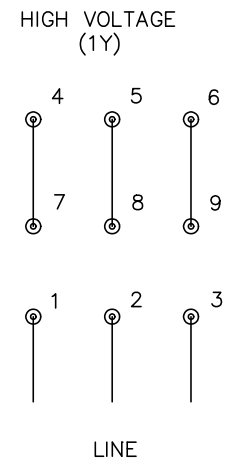
3 HP 3 PH 60 HZ 1761 RPM 460 V 3632M

TORQUES (LB-FT): PO=33.5 PU=19.3 LR=22.7 LRA=32





CD0005



- NOTES:
- 1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
  - 2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
  - 3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
  - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

|                                           |         |                         |              |
|-------------------------------------------|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                         |              |
| REV. LTR: E                               | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| 900000                                    |         | FILE: AAA00005140       | MDL: -       |
|                                           |         | MTL: -                  |              |

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005