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# Customer information packet

## CECP3661T-5

3HP, 1760RPM, 3PH, 60HZ, 182TC, 0628M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

|                                |                                                          |
|--------------------------------|----------------------------------------------------------|
| Enclosure                      | TEFC                                                     |
| Frame                          | 182TC                                                    |
| Frame Material                 | Iron                                                     |
| Frequency                      | 60.00 Hz                                                 |
| Haz Area Class and Group       | CL I GP A,B,C,D                                          |
| Haz Area Division              | Division II                                              |
| Motor Letter Type              | Three Phase                                              |
| Output @ Frequency             | 3.000 HP @ 60 HZ                                         |
| Phase                          | 3                                                        |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                                         |
| Voltage @ Frequency            | 575.0 V @ 60 HZ                                          |
| Agency Approvals               | CSA EEV<br>NEMA PREMIUM<br>NEMA_PREMIUM<br>UR<br>CCSA US |
| 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              | 3.200 A @ 575.0 V                                        |
| Design Code                    | B                                                        |
| Drip Cover                     | No Drip Cover                                            |
| Duty Rating                    | CONT                                                     |
| Efficiency @ 100% Load         | 89.5 %                                                   |
| Electrically Isolated Bearing  | Not Electrically Isolated                                |
| Enclosure Modification         | Severe Duty Features                                     |
| Feedback Device                | NO FEEDBACK                                              |
| Front Face Code                | Standard                                                 |

## Part detail

|              |            |
|--------------|------------|
| Revision     | P          |
| Type         | AC         |
| Mech. spec.  | 06H482     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 06WGW358   |
| Layout       | 06LYH482   |
| Eff. date    | 06-08-2023 |
| CD Diagram   | CD0006     |
| Poles        | 04         |
| Leads        | 3#16       |
| Proprietary  | False      |
| Created date | 04-20-2010 |

|                               |                              |
|-------------------------------|------------------------------|
| Front Shaft Indicator         | None                         |
| Haz Area Temp Code            | T3C                          |
| Heater Indicator              | No Heater                    |
| High Voltage Full Load Amps   | 3.2 a                        |
| Insulation Class              | F                            |
| Inverter Code                 | Inverter Ready               |
| KVA Code                      | H                            |
| Lifting Lugs                  | Standard Lifting Lugs        |
| Locked Bearing Indicator      | Locked Bearing               |
| Max Speed                     | 6000 rpm                     |
| Motor Lead Exit               | Ko Box                       |
| Motor Lead Quantity/Wire Size | 3 @ 16 AWG                   |
| Motor Lead Termination        | Flying Leads                 |
| Motor Standards               | NEMA                         |
| Motor Type                    | 0628M                        |
| Mounting Arrangement          | F1                           |
| Number of Poles               | 4                            |
| Overall Length                | 16.68 IN                     |
| Power Factor                  | 80                           |
| Product Family                | Chemical Processing (Not DC) |
| Pulley End Bearing Type       | Ball                         |
| Pulley Face Code              | C-Face                       |
| Pulley Shaft Indicator        | Standard                     |
| Rodent Screen                 | None                         |
| Service Factor                | 1.15                         |
| Shaft Diameter                | 1.125 IN                     |
| Shaft Extension Location      | Pulley End                   |
| Shaft Ground Indicator        | No Shaft Grounding           |
| Shaft Rotation                | Reversible                   |
| Shaft Slinger Indicator       | Shaft Slinger                |
| Speed                         | 1760 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          | None                |
| Winding Thermal 2          | None                |

## Nameplate

| NP3257       |              |      |      |      |   |    |   |  |  |
|--------------|--------------|------|------|------|---|----|---|--|--|
| CAT.NO.      | CECP3661T-5  |      |      |      |   |    |   |  |  |
| SPEC.        | 06H482W358G1 |      |      |      |   |    |   |  |  |
| HP           | 3 TE         |      |      |      |   |    |   |  |  |
| VOLTS        | 575          |      |      |      |   |    |   |  |  |
| AMP          | 3.2          |      |      |      |   |    |   |  |  |
| RPM          | 1760         |      |      |      |   |    |   |  |  |
| FRAME        | 182TC        |      | HZ   | 60   |   | PH | 3 |  |  |
| SER.F.       | 1.15         | CODE | H    | DES  | B | CL | F |  |  |
| RATING       | 40C AMB-CONT |      |      |      |   |    |   |  |  |
| SN           |              |      |      |      |   |    |   |  |  |
| DE           | 6206         |      | ODE  | 6206 |   |    |   |  |  |
| NEMA-NOM-EFF | 89.5         |      | PF   | 80   |   |    |   |  |  |
| G.MIN.EFF    | 87.5         | CC   | 010A |      |   |    |   |  |  |
| T. CODE      | T3C          | T=   | 160  |      |   |    |   |  |  |

| NP3260      |                         |           |      |
|-------------|-------------------------|-----------|------|
| SPEC.       | 06H482W358G1            |           |      |
| D.E. BRG.   | 30BC02XP30X             |           |      |
| O.D.E. BRG. | 30BC02XP30X             |           |      |
| GREASE      | POLYREX EM              |           |      |
| RPM MAX     | 6000                    | MAX. KVAR | 0.66 |
| BLANK       | CECP3661T-5             |           |      |
| INV.TYPE    | PWM                     |           |      |
| T=          | 160                     |           |      |
| C HP FR     | 60                      | C HP TO   | 90   |
| CT HZ FROM  | 1.3                     | CT HZ TO  | 60   |
| VT HZ FROM  | -0                      | VT HZ TO  | 60   |
| HTR-VOLTS   | HTR-AMPS                |           |      |
| HTR-WATTS   | MAX. SPACE HEATER TEMP. |           |      |

**AC Induction Motor Performance Data**

Record # 20661

Typical performance - not guaranteed values

| Winding: 06WGW358-R002 |    |       | Type: 0628M                           |                     | Enclosure: TEFC           |                       |              |       |
|------------------------|----|-------|---------------------------------------|---------------------|---------------------------|-----------------------|--------------|-------|
| Nameplate Data         |    |       | 575 V, 60 Hz:<br>Single Voltage Motor |                     |                           |                       |              |       |
| Rated Output (HP)      |    | 3     | Full Load Torque                      |                     | 9 LB-FT                   |                       |              |       |
| Volts                  |    | 575   | Start Configuration                   |                     | direct on line            |                       |              |       |
| Full Load Amps         |    | 3.2   | Breakdown Torque                      |                     | 31 LB-FT                  |                       |              |       |
| R.P.M.                 |    | 1760  | Pull-up Torque                        |                     | 16.5 LB-FT                |                       |              |       |
| Hz                     | 60 | Phase | 3                                     | Locked-rotor Torque |                           | 22 LB-FT              |              |       |
| NEMA Design Code       |    | B     | KVA Code                              | H                   | Starting Current          |                       | 26 A         |       |
| Service Factor (S.F.)  |    | 1.15  | No-load Current                       |                     | 1.8 A                     |                       |              |       |
| NEMA Nom. Eff.         |    | 89.5  | Power Factor                          |                     | 80                        | Line-line Res. @ 25°C |              | 6.6 Ω |
| Rating - Duty          |    | 40C   | AMB-CONT                              |                     | Temp. Rise @ Rated Load   |                       | 41°C         |       |
|                        |    |       |                                       |                     | Locked-rotor Power Factor |                       | 44           |       |
|                        |    |       |                                       |                     | Rotor inertia             |                       | 0.263 LB-FT2 |       |

**Load Characteristics 575 V, 60 Hz, 3 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 37   | 58   | 71   | 77   | 81   | 83   | 79   |
| Efficiency      | 84   | 89.1 | 90   | 89.7 | 88.7 | 87.3 | 89.1 |
| Speed           | 1788 | 1778 | 1767 | 1756 | 1743 | 1729 | 1748 |
| Line amperes    | 1.8  | 2.2  | 2.7  | 3.3  | 3.9  | 4.6  | 3.7  |

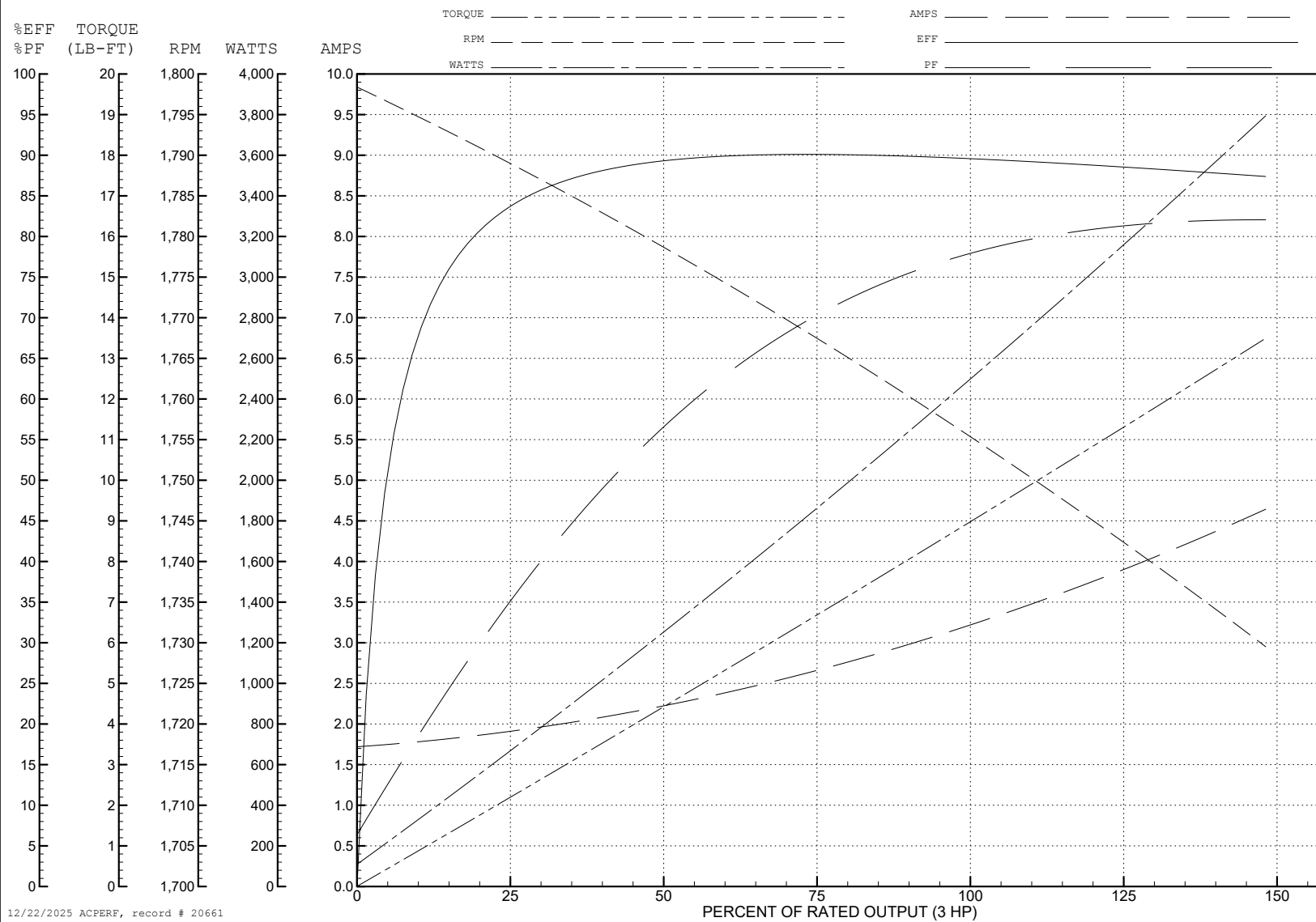
ABB Motors and Mechanical Inc.

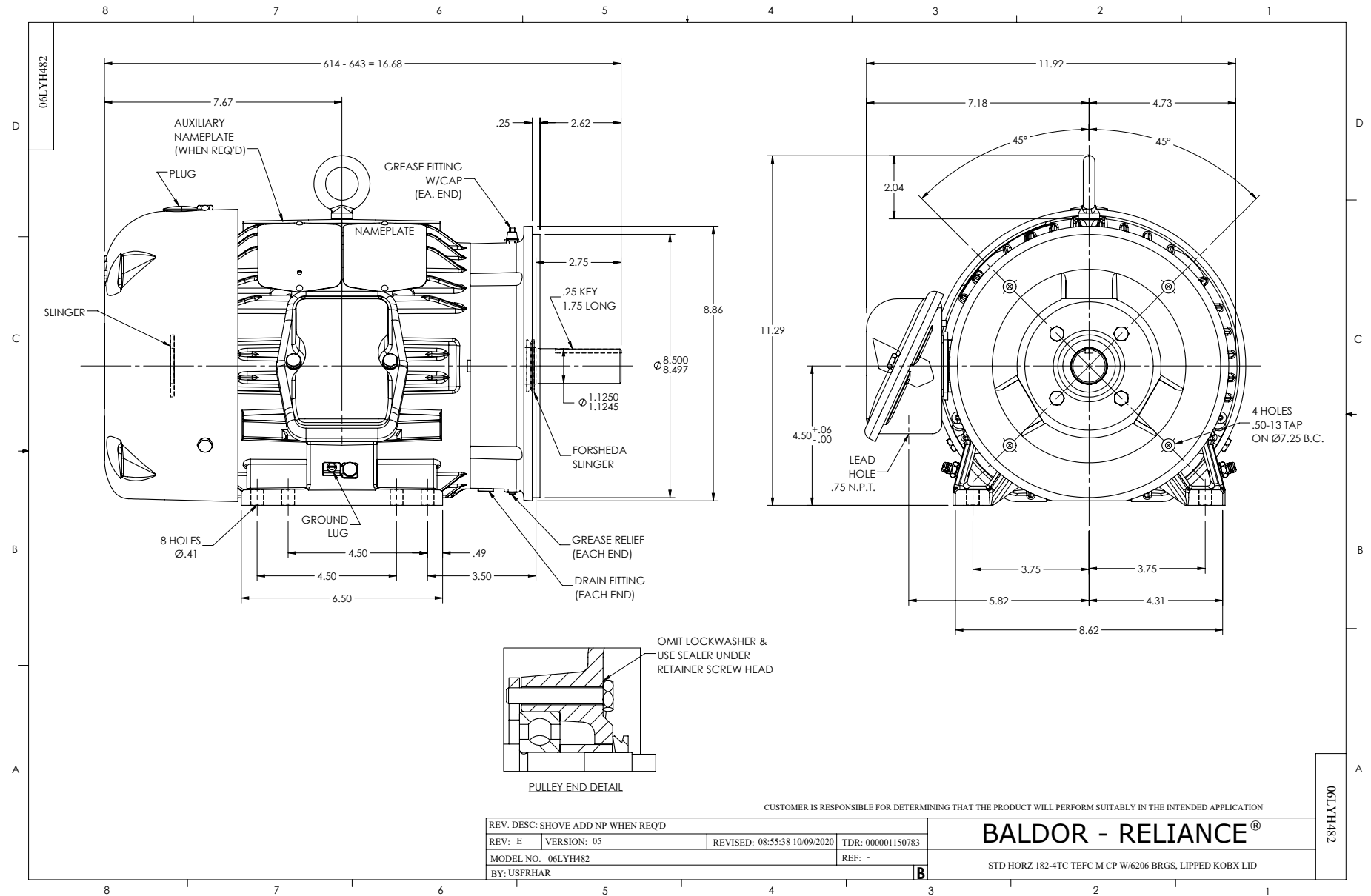
WINDING # 06WGW358

Typical performance - not guaranteed values.

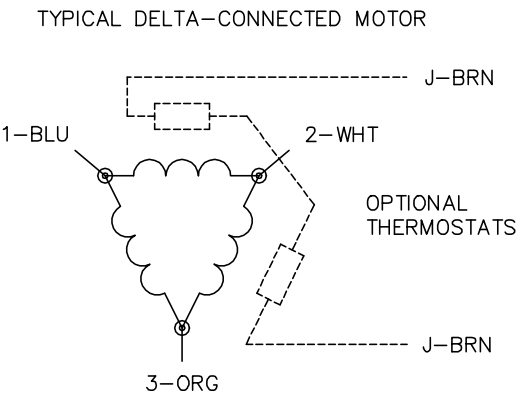
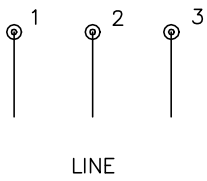
3 HP 3 PH 60 HZ 1760 RPM 575 V 0628M

TORQUES (LB-FT): PO=31 PU=16.5 LR=22 LRA=26





CD0006



- NOTES:
- 1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
  - 2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
  - 3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
  - 4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
  - 5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

|                                   |                                |                   |
|-----------------------------------|--------------------------------|-------------------|
| REV. DESC: ADD CLASS CONN00000007 |                                |                   |
| REV. LTR: E                       | VERSION: 01                    | TDR: 000001099922 |
| FILE: \AAA\00005\141              | REVISED: 10: 24: 49 02/19/2019 | BY: ENBRIRO       |
| MTL: —                            |                                |                   |

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1