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# Customer information packet

## CECP2333T-5

15HP, 1765RPM, 3PH, 60HZ, 254TC, 0944M, TEFC, F

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

|                                |                                                          |
|--------------------------------|----------------------------------------------------------|
| Enclosure                      | TEFC                                                     |
| Frame                          | 254TC                                                    |
| 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             | 15.000 HP @ 60 HZ                                        |
| Phase                          | 3                                                        |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                                         |
| Voltage @ Frequency            | 575.0 V @ 60 HZ                                          |
| Agency Approvals               | CCSA US<br>CSA EEV<br>NEMA PREMIUM<br>NEMA_PREMIUM<br>UR |
| 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    | 1.2                                                      |
| Current @ Voltage              | 14.600 A @ 575.0 V                                       |
| Design Code                    | A                                                        |
| Drip Cover                     | No Drip Cover                                            |
| Duty Rating                    | CONT                                                     |
| Efficiency @ 100% Load         | 92.4 %                                                   |
| Electrically Isolated Bearing  | Not Electrically Isolated                                |
| Feedback Device                | NO FEEDBACK                                              |
| Front Face Code                | Standard                                                 |
| Front Shaft Indicator          | None                                                     |

## Part detail

|              |            |
|--------------|------------|
| Revision     | P          |
| Type         | AC         |
| Mech. spec.  | 09H180     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 09WGT124   |
| Layout       | 09LYH180   |
| Eff. date    | 09-16-2025 |
| CD Diagram   | CD0006     |
| Poles        | 04         |
| Leads        | 3#12       |
| Proprietary  | False      |
| Created date | 02-23-2017 |

|                               |                             |
|-------------------------------|-----------------------------|
| Haz Area Temp Code            | T3C                         |
| Heater Indicator              | No Heater                   |
| High Voltage Full Load Amps   | 14.6 a                      |
| Insulation Class              | F                           |
| Inverter Code                 | Inverter Duty               |
| KVA Code                      | H                           |
| Lifting Lugs                  | Standard Lifting Lugs       |
| Locked Bearing Indicator      | Locked Bearing              |
| Max Speed                     | 2700 rpm                    |
| Motor Lead Exit               | Ko Box                      |
| Motor Lead Quantity/Wire Size | 3 @ 12 AWG                  |
| Motor Lead Termination        | Flying Leads                |
| Motor Standards               | NEMA                        |
| Motor Type                    | 0944M                       |
| Mounting Arrangement          | F1                          |
| Number of Poles               | 4                           |
| Overall Length                | 25.28 IN                    |
| Power Factor                  | 83                          |
| Product Family                | Super-E Chemical Processing |
| Pulley End Bearing Type       | Ball                        |
| Pulley Face Code              | C-Face                      |
| Pulley Shaft Indicator        | Standard                    |
| Rodent Screen                 | None                        |
| Service Factor                | 1.15                        |
| Shaft Diameter                | 1.625 IN                    |
| Shaft Extension Location      | Pulley End                  |
| Shaft Ground Indicator        | No Shaft Grounding          |
| Shaft Rotation                | Reversible                  |
| Shaft Slinger Indicator       | Shaft Slinger               |
| Speed                         | 1765 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

| NP3995ABBL                |   |              |   |         |       |       |        |                  |                       |    |      |             |                |      |        |               |        |   |  |
|---------------------------|---|--------------|---|---------|-------|-------|--------|------------------|-----------------------|----|------|-------------|----------------|------|--------|---------------|--------|---|--|
| CAT #                     |   | CECP2333T-5  |   |         |       |       | SER    |                  |                       |    |      | CC          |                | 010A |        |               |        |   |  |
| SPEC                      |   | 09H180T124G1 |   |         |       |       | RATING |                  | 40C AMB-CONT          |    |      |             |                |      |        |               |        |   |  |
| HZ                        |   | VOLTS        |   |         | AMPS  |       |        | RPM              |                       | HP | CODE |             | SF             | DES  | PF     | NEMA NOM. EFF |        |   |  |
| 60                        |   | 575          |   |         | 14.6  |       |        | 1765             |                       | 15 | H    |             | 1.15           | A    | 83     | %             | 92.4   | % |  |
|                           |   |              |   |         |       |       |        |                  |                       |    |      |             |                |      |        | %             |        | % |  |
| PH                        | 3 | CL           | F | MAX RPM |       | 2700  |        | MAX CORR KVAR    |                       |    | 4.12 |             | USABLE AT 208V |      |        | N/A           |        |   |  |
| IP55                      |   | FR           |   | 254TC   |       | ENCL  | TEFC   |                  | DE BRG                |    | 6309 |             | ODE BRG        |      | 6309   |               |        |   |  |
| GREASE                    |   | POLYREX EM   |   |         |       |       |        |                  |                       |    |      | MTR WT      |                | 268  |        | LBS           |        |   |  |
| USABLE AT                 |   | N/A          |   |         |       |       |        |                  |                       |    |      |             |                |      |        |               |        |   |  |
|                           |   |              |   |         |       |       |        |                  |                       |    |      |             |                |      |        |               |        |   |  |
|                           |   |              |   |         |       |       |        |                  |                       |    |      |             |                |      |        |               |        |   |  |
|                           |   |              |   |         |       |       |        |                  |                       |    |      |             |                |      |        |               |        |   |  |
|                           |   |              |   |         |       |       |        |                  |                       |    |      |             |                |      |        |               |        |   |  |
| CL I DIV 2 GRPS A,B,C,D   |   |              |   |         |       |       |        | CL I ZONE 2 GRPS |                       |    |      | IIA,IIB,IIC |                |      | TEMP T |               | 160    | C |  |
| 1.0 SF ON PWM INVERTER    |   |              |   |         |       | POWER |        | INV TEMP CL      |                       |    | 180  |             | C              |      |        |               |        |   |  |
| CHP                       |   | 60-90        |   | HZ      | 1.5:1 |       | CT     | 1.2-60           |                       | HZ | 50:1 |             | VT             | 0-60 |        | HZ            | 1000:1 |   |  |
| SPACE HEATER LEADS H1-H2: |   |              |   |         |       |       |        | TIE LIKE NUMBERS |                       |    |      | TOGETHER    |                |      |        |               |        |   |  |
| V                         |   |              | A |         |       | W     |        |                  | MAX SPACE HEATER TEMP |    |      |             |                |      |        |               |        |   |  |

## AC Induction Motor Performance Data

Record # 61321

Typical performance - not guaranteed values

| Winding: 09WGT124-R008 |              | Type: 0944M                           | Enclosure: TEFC         |                           |             |
|------------------------|--------------|---------------------------------------|-------------------------|---------------------------|-------------|
| Nameplate Data         |              | 575 V, 60 Hz:<br>Single Voltage Motor |                         |                           |             |
| Rated Output (HP)      | 15           | Full Load Torque                      | 44.5 LB-FT              |                           |             |
| Volts                  | 575          | Start Configuration                   | direct on line          |                           |             |
| Full Load Amps         | 14.6         | Breakdown Torque                      | 153 LB-FT               |                           |             |
| R.P.M.                 | 1765         | Pull-up Torque                        | 69.5 LB-FT              |                           |             |
| Hz                     | 60           | Phase                                 | 3                       | Locked-rotor Torque       | 86.5 LB-FT  |
| NEMA Design Code       | A            | KVA Code                              | H                       | Starting Current          | 102 A       |
| Service Factor (S.F.)  | 1.15         |                                       |                         | No-load Current           | 6.05 A      |
| NEMA Nom. Eff.         | 92.4         | Power Factor                          | 83                      | Line-line Res. @ 25°C     | 0.874 Ω     |
| Rating - Duty          | 40C AMB-CONT |                                       | Temp. Rise @ Rated Load |                           | 54°C        |
| S.F. Amps              |              |                                       | Temp. Rise @ S.F. Load  |                           | 66°C        |
|                        |              |                                       |                         | Locked-rotor Power Factor | 33          |
|                        |              |                                       |                         | Rotor inertia             | 1.92 LB-FT2 |

## Load Characteristics 575 V, 60 Hz, 15 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 45   | 69   | 78   | 83   | 85   | 87   | 86   |
| Efficiency      | 88.1 | 92.3 | 92.6 | 92.4 | 91.5 | 90.5 | 92.2 |
| Speed           | 1791 | 1783 | 1774 | 1765 | 1755 | 1743 | 1769 |
| Line amperes    | 6.9  | 8.8  | 11.6 | 14.6 | 18.1 | 21.5 | 16.3 |

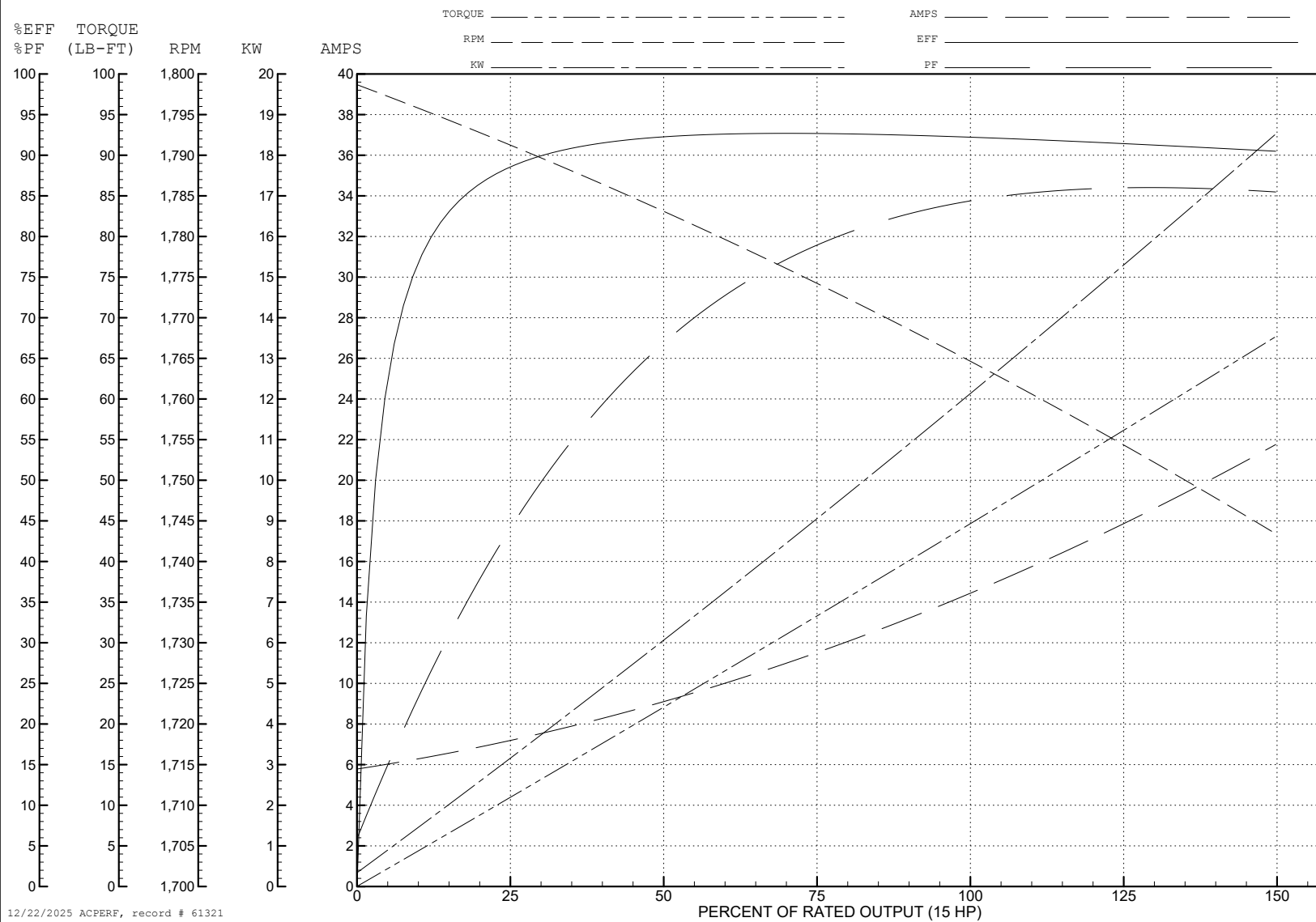
ABB Motors and Mechanical Inc.

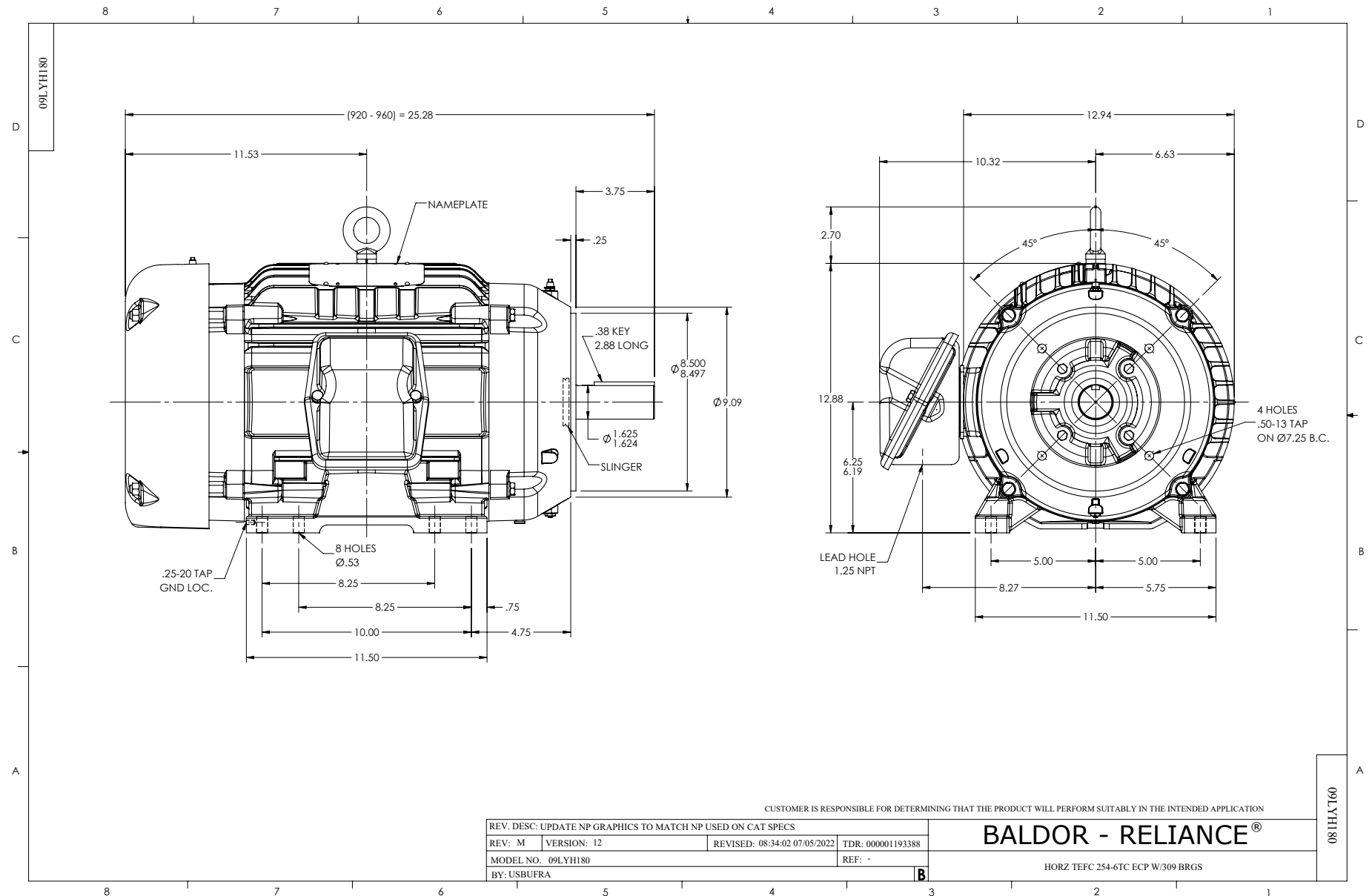
WINDING # 09WGT124

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 575 V 0944M

TORQUES (LB-FT): PO=153 PU=69.5 LR=86.5 LRA=102





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