



---

# Customer information packet

## CECP4102T

20HP, 1180RPM, 3PH, 60HZ, 286TC, 1054M, TEFC, F

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Enclosure                      | TEFC                                                           |
| Frame                          | 286TC                                                          |
| 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             | 20.000 HP @ 60 HZ                                              |
| Phase                          | 3                                                              |
| Synchronous Speed @ Frequency  | 1200 RPM @ 60 HZ                                               |
| Voltage @ Frequency            | 460.0 V @ 60 HZ<br>230.0 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    | 1.0                                                            |
| Current @ Voltage              | 56.000 A @ 208.0 V<br>54.000 A @ 230.0 V<br>27.000 A @ 460.0 V |
| Design Code                    | A                                                              |
| Drip Cover                     | No Drip Cover                                                  |
| Duty Rating                    | CONT                                                           |
| Efficiency @ 100% Load         | 91.7 %                                                         |
| Electrically Isolated Bearing  | Not Electrically Isolated                                      |

## Part detail

|              |            |
|--------------|------------|
| Revision     | J          |
| Type         | AC         |
| Mech. spec.  | 10H412     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 10WGY730   |
| Layout       | 10LYH412   |
| Eff. date    | 09-29-2025 |
| CD Diagram   | CD0180     |
| Poles        | 06         |
| Leads        | 9#10       |
| Proprietary  | False      |
| Created date | 05-29-2018 |

| Enclosure Modification        | Severe Duty Features        |
|-------------------------------|-----------------------------|
| Feedback Device               | NO FEEDBACK                 |
| Front Shaft Indicator         | None                        |
| Haz Area Temp Code            | T3C                         |
| Heater Indicator              | No Heater                   |
| High Voltage Full Load Amps   | 27.0 a                      |
| Insulation Class              | F                           |
| Inverter Code                 | Inverter Duty               |
| KVA Code                      | H                           |
| Lifting Lugs                  | Standard Lifting Lugs       |
| Locked Bearing Indicator      | Locked Bearing              |
| Max Speed                     | 1800 rpm                    |
| Motor Lead Quantity/Wire Size | 9 @ 10 AWG                  |
| Motor Lead Termination        | Flying Leads                |
| Motor Standards               | NEMA                        |
| Motor Type                    | 1054M                       |
| Mounting Arrangement          | F1                          |
| Number of Poles               | 6                           |
| Overall Length                | 28.00 IN                    |
| Power Factor                  | 77                          |
| 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                | 1.875 IN                    |
| Shaft Ground Indicator        | No Shaft Grounding          |
| Shaft Rotation                | Reversible                  |
| Shaft Slinger Indicator       | Shaft Slinger               |
| Speed                         | 1180 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

## NP3241

|         |              |  |  |     |              |           |       |      |         |            |             |
|---------|--------------|--|--|-----|--------------|-----------|-------|------|---------|------------|-------------|
| CAT.NO. | CECP4102T    |  |  | P/N |              | ENCLOSURE |       |      |         | TEFC       |             |
| SPEC.   | 10H412Y730G2 |  |  | CC  | 010A         | FRAME     | 286TC |      | S/N     |            |             |
| HP      | 20           |  |  |     | CLASS        | F         | HZ    | 60   | DES     | A          |             |
| RPM     | 1180         |  |  |     | RPM MAX      | 1800      |       | PH   | 3       | KVA-CODE   | H           |
| VOLT    | 230/460      |  |  |     | MOTOR WEIGHT |           |       | 451  |         |            |             |
| AMP     | 54/27        |  |  |     | SER.F.       | 1.15      | PF    | 77   | ODE BRG | 6311       | DE BRG 6311 |
| RATING  | 40C AMB-CONT |  |  |     | NEMA-NOM-EFF |           |       | 91.7 | GREASE  | POLYREX EM |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
|         |              |  |  |     |              |           |       |      |         |            |             |
| </      |              |  |  |     |              |           |       |      |         |            |             |

**AC Induction Motor Performance Data**

Record # 52812

Typical performance - not guaranteed values

| Winding: 10WGY730-R020 |    |              |              | Type: 1054M                              |                       | Enclosure: TEFC |         |
|------------------------|----|--------------|--------------|------------------------------------------|-----------------------|-----------------|---------|
| Nameplate Data         |    |              |              | 460 V, 60 Hz:<br>High Voltage Connection |                       |                 |         |
| Rated Output (HP)      |    | 20           |              | Full Load Torque                         |                       | 90.1 LB-FT      |         |
| Volts                  |    | 230/460      |              | Start Configuration                      |                       | direct on line  |         |
| Full Load Amps         |    | 54/27        |              | Breakdown Torque                         |                       | 276 LB-FT       |         |
| R.P.M.                 |    | 1180         |              | Pull-up Torque                           |                       | 115 LB-FT       |         |
| Hz                     | 60 | Phase        | 3            | Locked-rotor Torque                      |                       | 166 LB-FT       |         |
| NEMA Design Code       |    | A            | KVA Code     | H                                        | Starting Current      |                 | 165 A   |
| Service Factor (S.F.)  |    | 1.15         |              | No-load Current                          |                       | 13.1 A          |         |
| NEMA Nom. Eff.         |    | 91.7         | Power Factor | 77                                       | Line-line Res. @ 25°C |                 | 0.425 Ω |
| Rating - Duty          |    | 40C AMB-CONT |              | Temp. Rise @ Rated Load                  |                       | 65°C            |         |
| S.F. Amps              |    |              |              | Temp. Rise @ S.F. Load                   |                       | 79°C            |         |
|                        |    |              |              | Locked-rotor Power Factor                |                       | 32              |         |
|                        |    |              |              | Rotor inertia                            |                       | 6.61 LB-FT2     |         |

**Load Characteristics 460 V, 60 Hz, 20 HP**

| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor    | 39     | 60     | 71     | 77     | 79     | 80     | 78   |
| Efficiency      | 86.6   | 91.1   | 91.9   | 91.7   | 90.9   | 89.8   | 91.2 |
| Speed           | 1194.6 | 1189.5 | 1184.1 | 1178.3 | 1171.4 | 1163.8 | 1174 |
| Line amperes    | 14.3   | 17.5   | 21.9   | 26.9   | 32.7   | 39.3   | 30.4 |

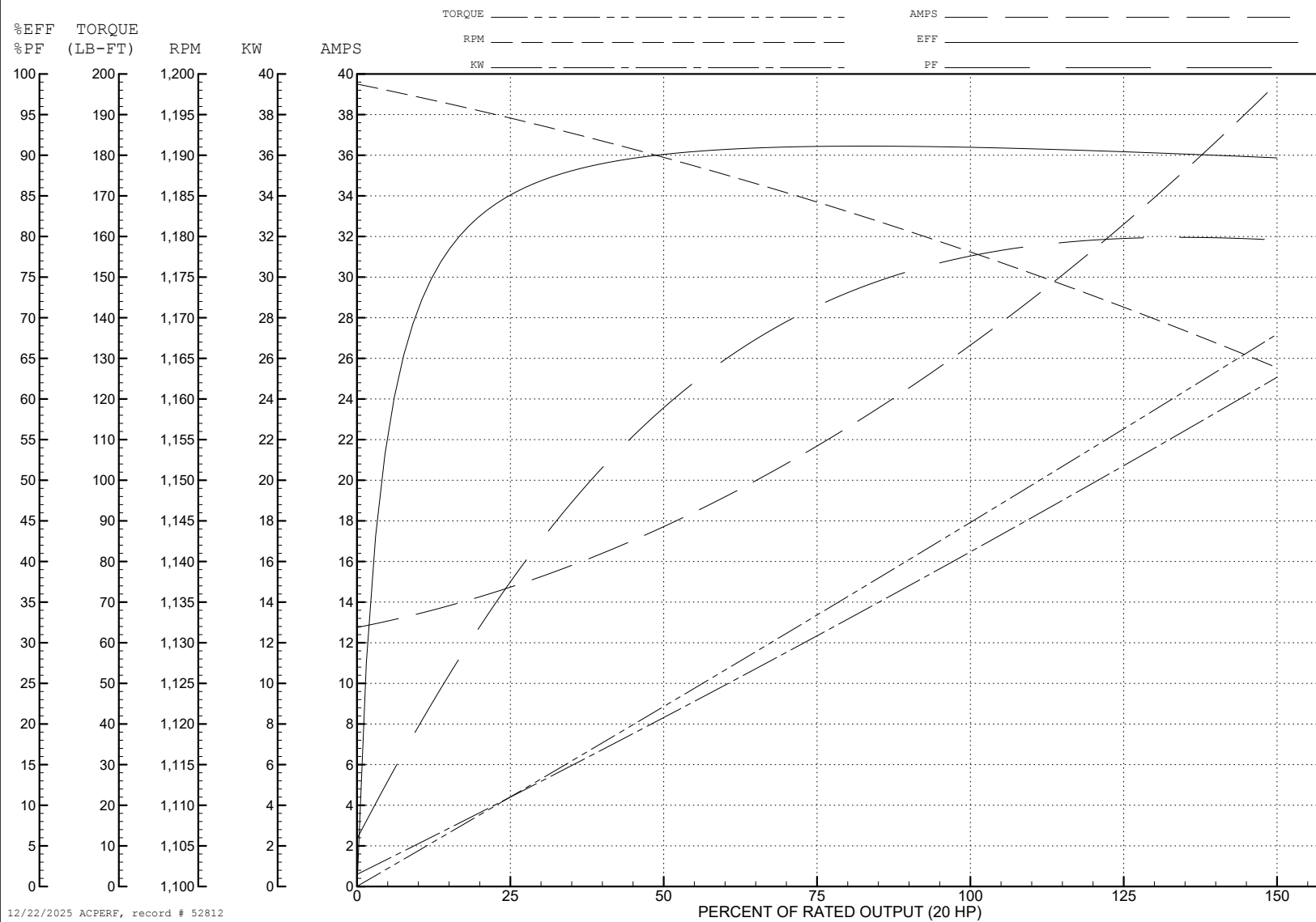
ABB Motors and Mechanical Inc.

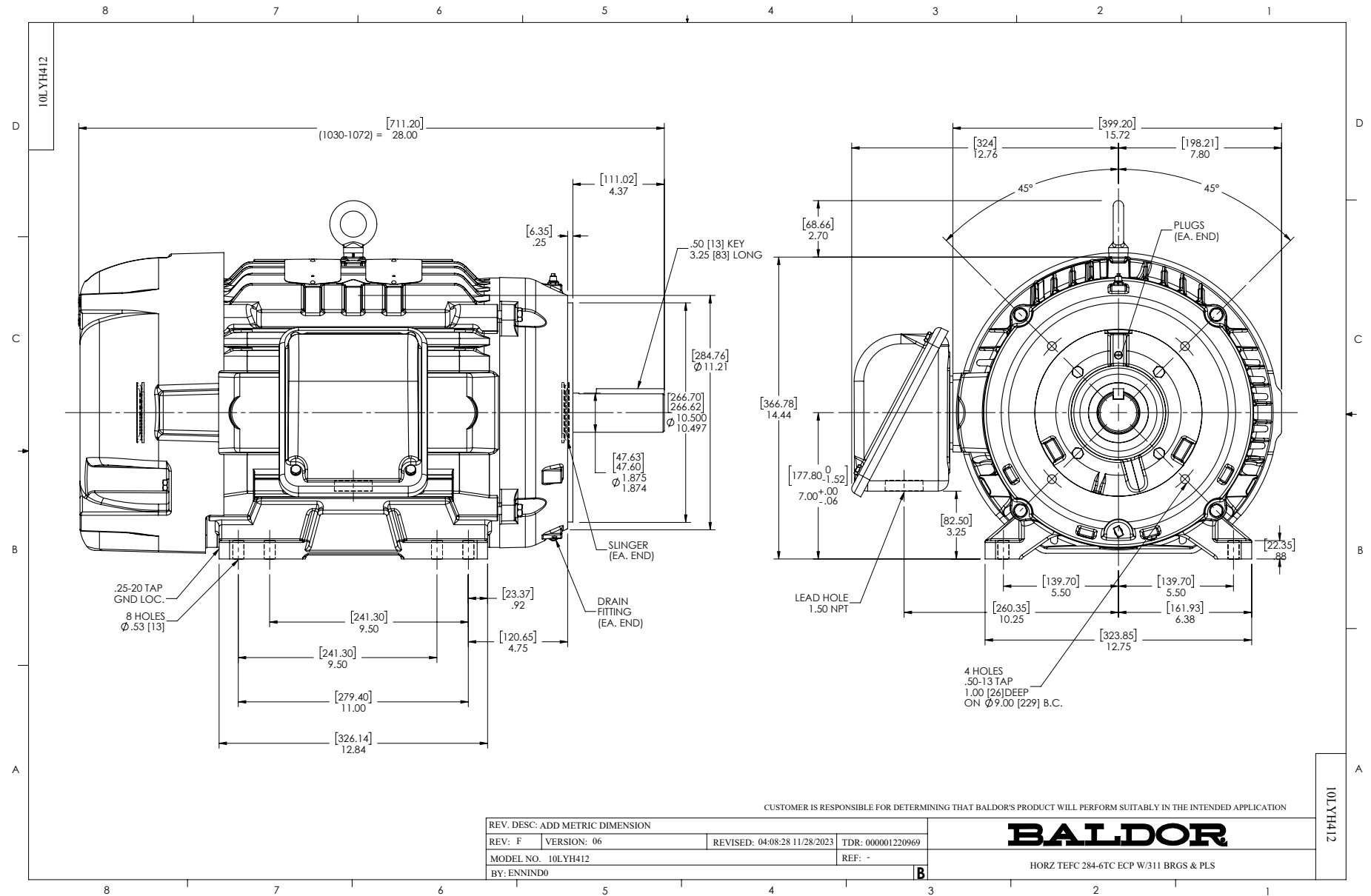
WINDING # 10WGY730

Typical performance - not guaranteed values.

20 HP 3 PH 60 HZ 1180 RPM 460 V 1054M

TORQUES (LB-FT): PO=276 PU=115 LR=166 LRA=165





CD0180

LOW VOLTAGE  
(2D)HIGH VOLTAGE  
(1D)

## 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.

CD0180

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRI0

MTL: —

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1