

# ABB BALDOR RELIANCE III

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## Customer information packet

### CECP4107T

25HP, 3520RPM, 3PH, 60HZ, 284TSC, 1048M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

**Specifications**

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                                     |
| <b>Frame</b>                          | 284TSC                                                   |
| <b>Frame Material</b>                 | Iron                                                     |
| <b>Frequency</b>                      | 60.00 Hz                                                 |
| <b>Haz Area Class and Group</b>       | CLI GP A,B,C,D                                           |
| <b>Haz Area Division</b>              | Division II                                              |
| <b>Motor Letter Type</b>              | Three Phase                                              |
| <b>Output @ Frequency</b>             | 25.000 HP @ 60 HZ                                        |
| <b>Phase</b>                          | 3                                                        |
| <b>Synchronous Speed @ Frequency</b>  | 3600 RPM @ 60 HZ                                         |
| <b>Voltage @ Frequency</b>            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ                       |
| <b>Agency Approvals</b>               | CCSA US<br>CSA EEV<br>NEMA PREMIUM<br>NEMA_PREMIUM<br>UR |
| <b>Ambient Temperature</b>            | 40 °C                                                    |
| <b>Auxiliary Box</b>                  | NO AUXILLARY BOX                                         |
| <b>Auxiliary Box Lead Termination</b> | None                                                     |
| <b>Base Indicator</b>                 | Rigid                                                    |
| <b>Bearing Grease Type</b>            | Polyrex EM (-20F +300F)                                  |
| <b>Blower</b>                         | None                                                     |
| <b>Constant Torque Speed Range</b>    | 6                                                        |
| <b>Current @ Voltage</b>              | 28.000 A @ 460.0 V<br>56.000 A @ 230.0 V                 |
| <b>Design Code</b>                    | B                                                        |
| <b>Drip Cover</b>                     | No Drip Cover                                            |
| <b>Duty Rating</b>                    | CONT                                                     |
| <b>Efficiency @ 100% Load</b>         | 91.7 %                                                   |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                |
| <b>Feedback Device</b>                | NO FEEDBACK                                              |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | P          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 10H406     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 10WGZ273   |
| <b>Layout</b>       | 10LYH406   |
| <b>Eff. date</b>    | 09-29-2025 |
| <b>CD Diagram</b>   | CD0180     |
| <b>Poles</b>        | 02         |
| <b>Leads</b>        | 9#10       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 05-08-2014 |

|                               |                             |
|-------------------------------|-----------------------------|
| Front Face Code               | Standard                    |
| Front Shaft Indicator         | None                        |
| Haz Area Temp Code            | T3                          |
| Heater Indicator              | No Heater                   |
| High Voltage Full Load Amps   | 28.0 a                      |
| Insulation Class              | F                           |
| Inverter Code                 | Inverter Duty               |
| KVA Code                      | F                           |
| Lifting Lugs                  | Standard Lifting Lugs       |
| Locked Bearing Indicator      | Locked Bearing              |
| Max Speed                     | 5400 rpm                    |
| Motor Lead Exit               | Ko Box                      |
| Motor Lead Quantity/Wire Size | 9 @ 10 AWG                  |
| Motor Lead Termination        | Flying Leads                |
| Motor Standards               | NEMA                        |
| Motor Type                    | 1048M                       |
| Mounting Arrangement          | F1                          |
| Number of Poles               | 2                           |
| Overall Length                | 26.56 IN                    |
| Power Factor                  | 90                          |
| 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                         | 3520 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. | CECP4107T    |  |  |    | P/N          |       |      |        |      |     | ENCLOSURE |          | TEFC       |      |        |  |      |
| SPEC.   | 10H406Z273   |  |  | CC | 010A         | FRAME |      | 284TSC |      | S/N |           |          |            |      |        |  |      |
| HP      | 25           |  |  |    | CLASS        |       | F    | HZ     |      | 60  | DES       | B        |            |      |        |  |      |
| RPM     | 3520         |  |  |    | RPM MAX      |       | 5400 |        | PH   |     | 3         | KVA-CODE |            | F    |        |  |      |
| VOLT    | 230/460      |  |  |    | MOTOR WEIGHT |       |      |        | 515  |     |           |          |            |      |        |  |      |
| AMP     | 56/28        |  |  |    | SER.F.       |       | 1.15 |        | PF   |     | 90        | ODE BRG  |            | 6311 | DE BRG |  | 6311 |
| RATING  | 40C AMB-CONT |  |  |    | NEMA-NOM-EFF |       |      |        | 91.7 |     | GREASE    |          | POLYREX EM |      |        |  |      |
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|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |
|         |              |  |  |    |              |       |      |        |      |     |           |          |            |      |        |  |      |

**AC Induction Motor Performance Data**

Record # 47234

Typical performance - not guaranteed values

| Winding: 10WGZ273-R002 |    |         | Type: 1048M                           |                     | Enclosure: TEFC           |          |             |
|------------------------|----|---------|---------------------------------------|---------------------|---------------------------|----------|-------------|
| Nameplate Data         |    |         | 460 V, 60 Hz:<br>Single Voltage Motor |                     |                           |          |             |
| Rated Output (HP)      |    | 25      | Full Load Torque                      |                     | 37.3 LB-FT                |          |             |
| Volts                  |    | 230/460 | Start Configuration                   |                     | direct on line            |          |             |
| Full Load Amps         |    | 56/28   | Breakdown Torque                      |                     | 103 LB-FT                 |          |             |
| R.P.M.                 |    | 3520    | Pull-up Torque                        |                     | 42.1 LB-FT                |          |             |
| Hz                     | 60 | Phase   | 3                                     | Locked-rotor Torque |                           | 54 LB-FT |             |
| NEMA Design Code       |    | B       | KVA Code                              | F                   | Starting Current          |          | 171 A       |
| Service Factor (S.F.)  |    | 1.15    | No-load Current                       |                     | 6.99 A                    |          |             |
| NEMA Nom. Eff.         |    | 91.7    | Power Factor                          | 90                  | Line-line Res. @ 25°C     |          | 0.295 Ω     |
| Rating - Duty          |    | 40C     | AMB-CONT                              |                     | Temp. Rise @ Rated Load   |          | 57°C        |
| S.F. Amps              |    |         |                                       |                     | Temp. Rise @ S.F. Load    |          | 72°C        |
|                        |    |         |                                       |                     | Locked-rotor Power Factor |          | 23.3        |
|                        |    |         |                                       |                     | Rotor inertia             |          | 2.06 LB-FT2 |

**Load Characteristics 460 V, 60 Hz, 25 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 69   | 83   | 88   | 90   | 90   | 90   | 90   |
| Efficiency      | 87.7 | 91.6 | 92.1 | 91.7 | 90.8 | 89.7 | 91.3 |
| Speed           | 3580 | 3563 | 3543 | 3521 | 3497 | 3470 | 3507 |
| Line amperes    | 10.1 | 15.4 | 21.7 | 28.3 | 35.7 | 43.5 | 32.7 |

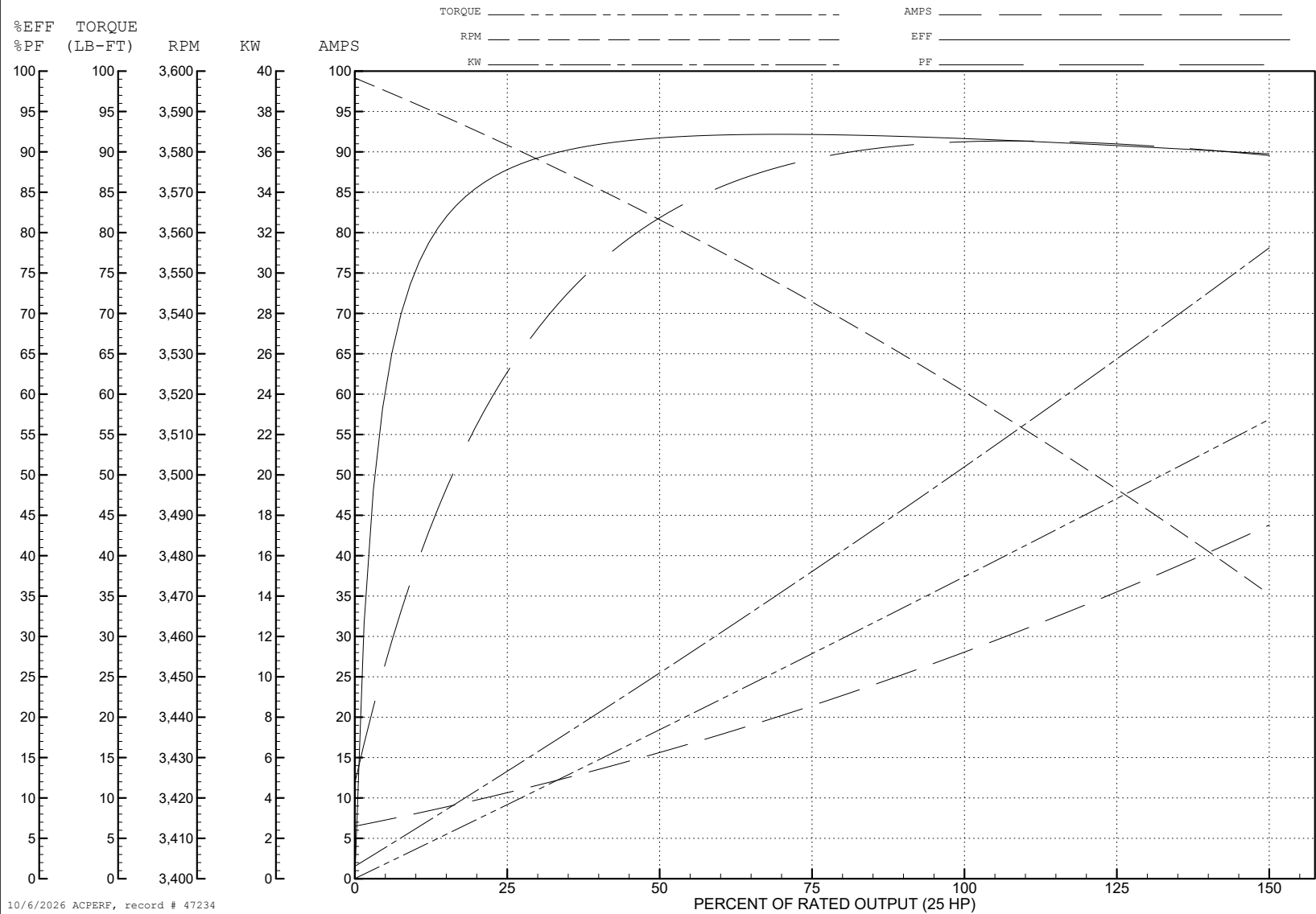
ABB Motors and Mechanical Inc.

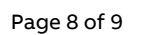
WINDING # 10WGZ273

Typical performance - not guaranteed values.

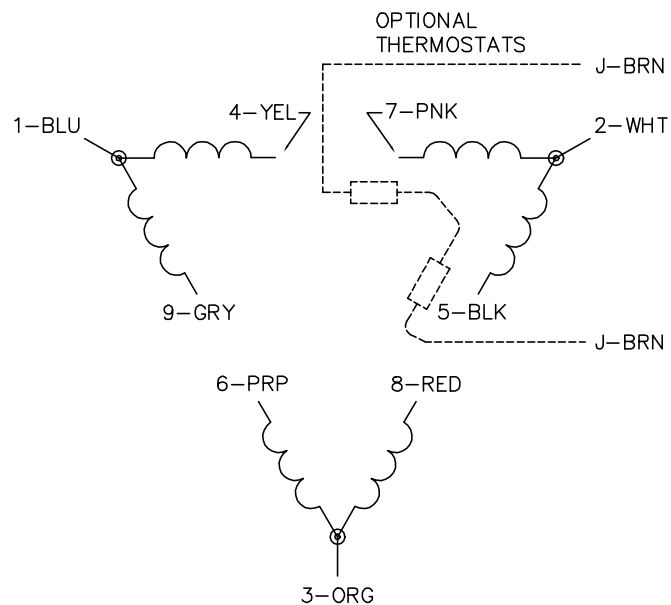
25 HP 3 PH 60 HZ 3520 RPM 460 V 1048M

TORQUES (LB-FT): PO=103 PU=42.1 LR=54 LRA=171

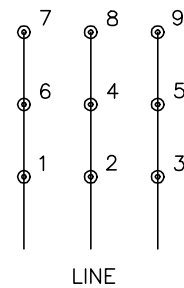




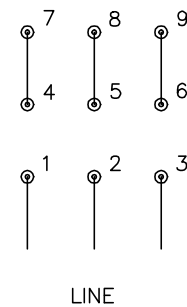
CD0180



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: ENBRIRO

MTL: —



**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1