

# ABB BALDOR RELIANCE III

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## Customer information packet

### CSPM4108TS

30HP, 3530RPM, 3PH, 60HZ, 284TSC, 1056M, TEFC

Class - CLI GP A,B,C,D CLII GP F,G

Division - Division II

**Specifications**

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                     |
| <b>Frame</b>                          | 284TSC                                   |
| <b>Frame Material</b>                 | Cast Iron                                |
| <b>Frequency</b>                      | 60.00 Hz                                 |
| <b>Haz Area Class and Group</b>       | CLI GP A,B,C,D CLII GP F,G               |
| <b>Haz Area Division</b>              | Division II                              |
| <b>Motor Letter Type</b>              | Three Phase                              |
| <b>Output @ Frequency</b>             | 30.000 HP @ 60 HZ                        |
| <b>Phase</b>                          | 3                                        |
| <b>Synchronous Speed @ Frequency</b>  | 3600 RPM @ 60 HZ                         |
| <b>Voltage @ Frequency</b>            | 460.0 V @ 60 HZ<br>230.0 V @ 60 HZ       |
| <b>Agency Approvals</b>               | CSA<br>CURUSEEV<br>NEMA_PREMIUM<br>WEEE  |
| <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>Current @ Voltage</b>              | 33.000 A @ 460.0 V<br>66.000 A @ 230.0 V |
| <b>Design Code</b>                    | A                                        |
| <b>Drip Cover</b>                     | No Drip Cover                            |
| <b>Duty Rating</b>                    | CONT                                     |
| <b>Efficiency @ 100% Load</b>         | 93.0 %                                   |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                |
| <b>Feedback Device</b>                | NO FEEDBACK                              |
| <b>Front Shaft Indicator</b>          | None                                     |
| <b>Haz Area Temp Code</b>             | T3C                                      |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | C          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 10T014     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 10WGZ895   |
| <b>Layout</b>       | 10LYT014   |
| <b>Eff. date</b>    | 04-17-2026 |
| <b>CD Diagram</b>   | CD0180     |
| <b>Poles</b>        | 02         |
| <b>Leads</b>        | 9#10       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 10-10-2024 |

|                               |                              |
|-------------------------------|------------------------------|
| Heater Indicator              | No Heater                    |
| High Voltage Full Load Amps   | 33.0 a                       |
| Insulation Class              | F                            |
| Inverter Code                 | Inverter Duty                |
| KVA Code                      | H                            |
| Lifting Lugs                  | Standard Lifting Lugs        |
| Locked Bearing Indicator      | Locked Bearing               |
| Max Speed                     | 4500 rpm                     |
| Motor Lead Quantity/Wire Size | 9 @ 10 AWG                   |
| Motor Lead Termination        | Flying Leads                 |
| Motor Standards               | NEMA                         |
| Motor Type                    | 1056M                        |
| Mounting Arrangement          | F1                           |
| Number of Poles               | 2                            |
| Overall Length                | 26.63 IN                     |
| Power Factor                  | 90                           |
| Product Family                | Chemical Processing (Not DC) |
| Pulley End Bearing Type       | Ball                         |
| Pulley Face Code              | C-Face                       |
| Pulley Shaft Indicator        | Standard                     |
| Rodent Screen                 | None                         |
| RoHS Status                   | ROHS COMPLIANT               |
| Service Factor                | 1.15                         |
| Shaft Diameter                | 1.625 IN                     |
| Shaft Ground Indicator        | No Shaft Grounding           |
| Shaft Rotation                | Reversible                   |
| Shaft Slinger Indicator       | No Slinger                   |
| Speed                         | 3530 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

**NP4439B05C23L**

|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|-----------|--------------|----|----------|-------|---|---------|---------|----|-----|------|--------|---------|----|----|---|------|------------|----|------|-------------------------|---------------|------|------|-----|-----|-----|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|
| CAT #     | CSPM4108TS   |    |          |       |   |         |         |    |     |      | SER #  |         |    |    |   |      |            |    |      |                         |               | CC   | 010A | WGT | 445 | LBS |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| SPEC      | 10T014Z895   |    |          |       |   |         |         |    |     |      | FRAME  | 284TSC  |    |    |   |      |            |    |      |                         |               | ENCL | TEFC | IP  | 55  |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| RATING    | 40C AMB-CONT |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         | NEMA NOM. EFF | 93   |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| HP        | 30           |    |          |       |   |         |         |    |     |      | VOLTS  | 230/460 |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| AMPS      | 66/33        |    |          |       |   |         |         |    |     |      | RPM    | 3530    |    |    |   |      |            |    |      |                         |               | HZ   | 60   |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| PH        | 3            | CL | F        | CODE  | H | DES     | A       | PF | 90  | %    | SER.F. |         |    |    |   | 1.15 | SF AMP     |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| DE BRG    | 6312         |    |          |       |   | ODE BRG |         |    |     |      | 6311   |         |    |    |   | LUBE | POLYREX EM |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| INV TYPE: |              |    | VPWM     |       |   | SL HZ   |         |    | 1.2 | CHP  |        |         | 60 | TO |   | 75   | 1.3:1      |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| WK2       | 2.4          |    |          | LBFT2 |   |         | MAX RPM |    |     | 4500 | CT     |         | 6  | TO |   | 60   | 10:1       |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| MAG CUR   |              |    | 17.6/8.8 |       |   |         |         |    |     |      |        |         | VT |    | 3 | TO   |            | 60 | 20:1 |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      | MEETS INTENT OF IEEE-45 |               |      |      |     |     |     |  |  |  | FOR WEATHER PROTECTION |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
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|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |
|           |              |    |          |       |   |         |         |    |     |      |        |         |    |    |   |      |            |    |      |                         |               |      |      |     |     |     |  |  |  |                        |  |  |  |  |  |  |  |  |  |

YR

**AC Induction Motor Performance Data**

Record # 101881

Typical performance - not guaranteed values

| Winding: 10WGZ895-R001 |                 | Type: 1056M                              | Enclosure: TEFC        |
|------------------------|-----------------|------------------------------------------|------------------------|
| Nameplate Data         |                 | 460 V, 60 Hz:<br>High Voltage Connection |                        |
| Rated Output (HP)      | 30              | Full Load Torque                         | 44.38 LB-FT            |
| Volts                  | 230/460         | Start Configuration                      | direct on line         |
| Full Load Amps         | 66/33           | Breakdown Torque                         | 183 LB-FT              |
| R.P.M.                 | 3530            | Pull-up Torque                           | 65.6 LB-FT             |
| Hz                     | 60 Phase        | Locked-rotor Torque                      | 86.2 LB-FT             |
| NEMA Design Code       | A KVA Code      | Starting Current                         | 239 A                  |
| Service Factor (S.F.)  | 1.15            | No-load Current                          | 8.82 A                 |
| NEMA Nom. Eff.         | 93 Power Factor | Line-line Res. @ 25°C                    | 0.205 Ω                |
| Rating - Duty          | 40C AMB-CONT    | Temp. Rise @ Rated Load                  | 54°C                   |
| S.F. Amps              |                 | Temp. Rise @ S.F. Load                   | 67°C                   |
|                        |                 | Locked-rotor Power Factor                | 22.3                   |
|                        |                 | Rotor inertia                            | 2.4 lb-ft <sup>2</sup> |

**Load Characteristics 460 V, 60 Hz, 30 HP**

| % of Rated Load | 25   | 50    | 75    | 100  | 125   | 150   | S.F. |
|-----------------|------|-------|-------|------|-------|-------|------|
| Power Factor    | 65   | 83    | 89    | 91   | 92    | 92    | 92   |
| Efficiency      | 89.8 | 93.1  | 93.9  | 93.1 | 93    | 92    | 93   |
| Speed           | 3581 | 3564  | 3548  | 3531 | 3511  | 3490  | 3519 |
| Line amperes    | 11.9 | 18.18 | 25.13 | 32.8 | 40.98 | 49.63 | 37.7 |

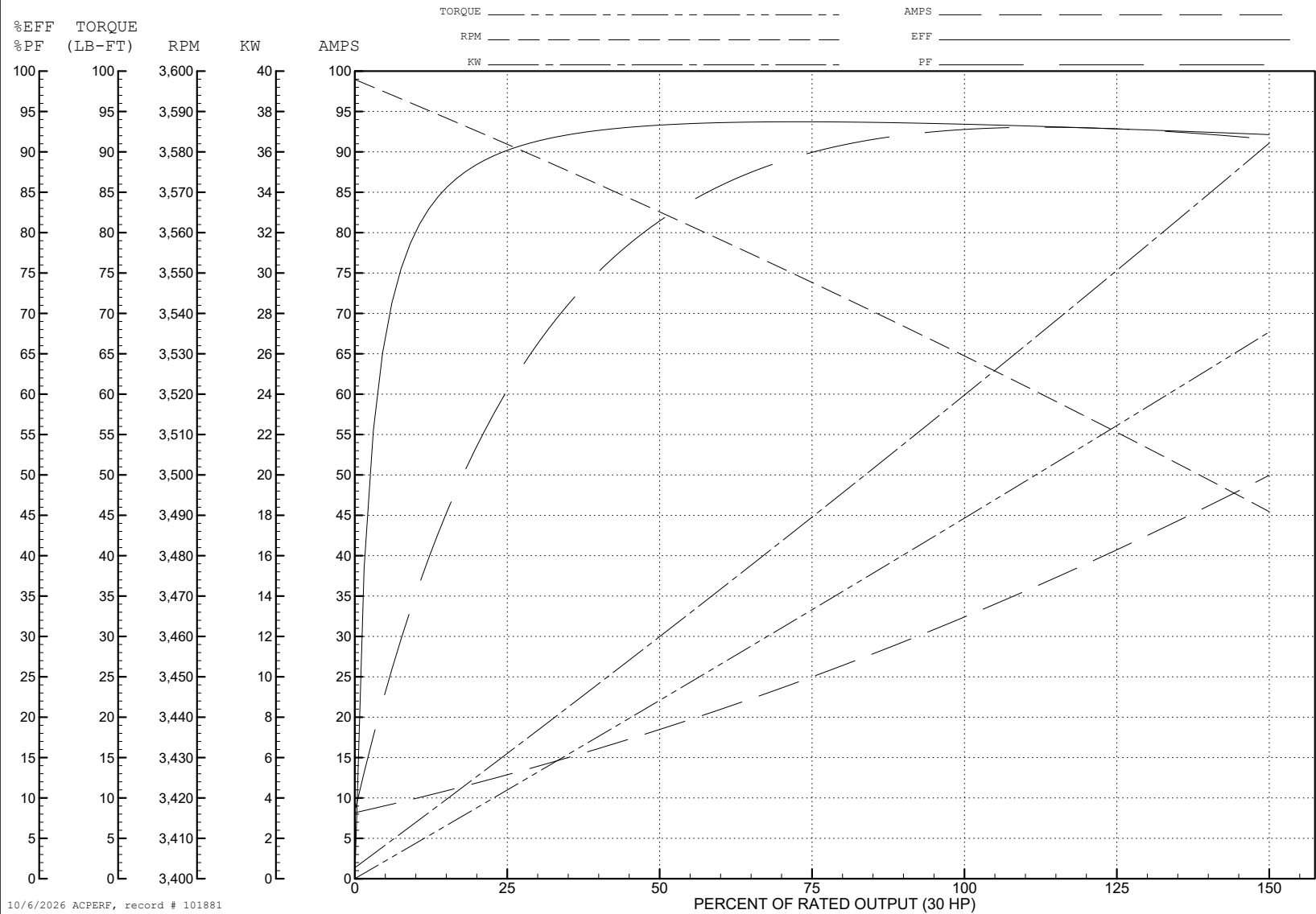
ABB Motors and Mechanical Inc.

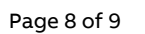
WINDING # 10WGZ895

Typical performance - not guaranteed values.

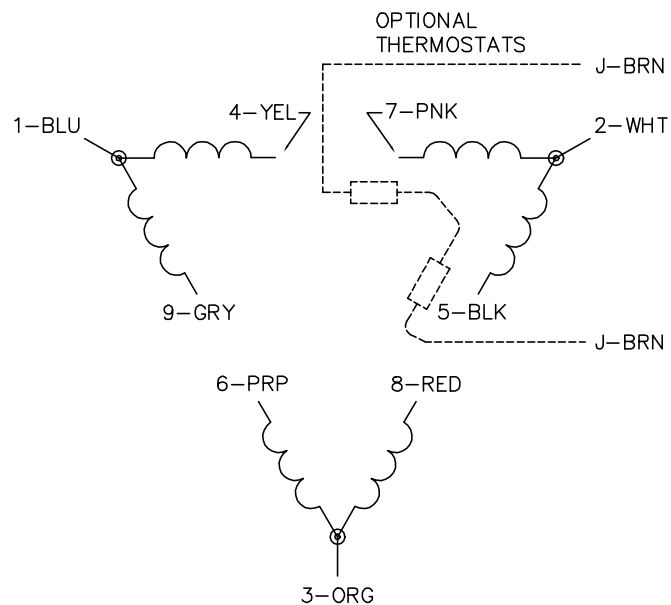
30 HP 3 PH 60 HZ 3530 RPM 460 V 1056M

TORQUES (LB-FT): PO=183 PU=65.6 LR=86.2 LRA=239

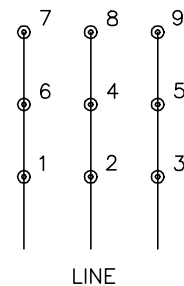




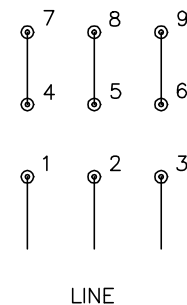
CD0180



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