

# ABB BALDOR RELIANCE III

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## Customer information packet

### CSPM2506T

7.5HP, 1180RPM, 3PH, 60HZ, 254TC, 3950M, OPSB

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| <b>Enclosure</b>                      | OPSB                                                           |
| <b>Frame</b>                          | 254TC                                                          |
| <b>Frame Material</b>                 | Steel                                                          |
| <b>Frequency</b>                      | 60.00 Hz                                                       |
| <b>Haz Area Class and Group</b>       | None                                                           |
| <b>Haz Area Division</b>              | Not Applicable                                                 |
| <b>Motor Letter Type</b>              | Three Phase                                                    |
| <b>Output @ Frequency</b>             | 7.500 HP @ 60 HZ                                               |
| <b>Phase</b>                          | 3                                                              |
| <b>Synchronous Speed @ Frequency</b>  | 1200 RPM @ 60 HZ                                               |
| <b>Voltage @ Frequency</b>            | 460.0 V @ 60 HZ<br>230.0 V @ 60 HZ                             |
| <b>Agency Approvals</b>               | CURUSEEV<br>NEMA PREMIUM 4<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>              | 22.000 A @ 230.0 V<br>26.000 A @ 208.0 V<br>11.000 A @ 460.0 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                                                    |
| <b>Front Shaft Indicator</b>          | None                                                           |
| <b>Heater Indicator</b>               | No Heater                                                      |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | C          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 39E763     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 39WGW951   |
| <b>Layout</b>       | 39LYE763   |
| <b>Eff. date</b>    | 12-15-2025 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 06         |
| <b>Leads</b>        | 9#12       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 11-16-2023 |

|                               |                       |
|-------------------------------|-----------------------|
| High Voltage Full Load Amps   | 11.0 a                |
| Insulation Class              | F                     |
| Inverter Code                 | Inverter Duty         |
| KVA Code                      | J                     |
| Lifting Lugs                  | Standard Lifting Lugs |
| Locked Bearing Indicator      | Locked Bearing        |
| Max Speed                     | 1800 rpm              |
| Motor Lead Quantity/Wire Size | 9 @ 12 AWG            |
| Motor Lead Termination        | Flying Leads          |
| Motor Standards               | NEMA                  |
| Motor Type                    | 3950M                 |
| Mounting Arrangement          | F1                    |
| Number of Poles               | 6                     |
| Overall Length                | 23.19 IN              |
| Power Factor                  | 70                    |
| Product Family                | General Purpose       |
| 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                         | 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**

| NP4423A01A01L |               |        |     |      |         |               |      |       |     |       |  |  |  |  |
|---------------|---------------|--------|-----|------|---------|---------------|------|-------|-----|-------|--|--|--|--|
| CAT #         | CSPM2506T     |        |     |      |         | WGT           | 248  | LBS   |     |       |  |  |  |  |
| SPEC          | 39E763W951    |        |     |      |         | ENCL          | OPSB |       |     |       |  |  |  |  |
| SER #         |               |        |     |      |         | CC            | 010A | IP    | 23  |       |  |  |  |  |
| HP            | 7.5           |        |     |      | MAG CUR | 11.4/5.7      |      |       |     |       |  |  |  |  |
| VOLTS         | 230/460       |        |     |      |         | NEMA NOM. EFF |      |       |     | 91.7  |  |  |  |  |
| AMPS          | 22/11         |        |     |      |         |               | PF   | 70    |     |       |  |  |  |  |
| RATING        | 40C AMB-CONT  |        |     |      |         |               |      |       |     |       |  |  |  |  |
| RPM           | 1180          |        |     |      |         | MAX RPM       |      | 1800  |     |       |  |  |  |  |
| FRAME         | 254TC         | HZ     | 60  |      |         | CODE          | J    | CLASS | F   |       |  |  |  |  |
| SER.F.        | 1.15          | SF AMP |     |      |         |               | PH   | 3     | DES | B     |  |  |  |  |
| DE            | 6309          |        | ODE |      | 6208    |               |      |       |     |       |  |  |  |  |
| LUBRICATION   | POLYREX EM    |        |     |      |         |               |      |       |     |       |  |  |  |  |
| ID LOGO       | INVERTER TYPE |        |     | VPWM |         | CHP           | 1.5  | TO    | 1   | 1.5:1 |  |  |  |  |
| ID LOGO       | WK2           | 4.02   | CT  | 10   | TO      | 1             | 10:1 |       |     |       |  |  |  |  |
| ID LOGO       | SL HZ         | 1      | VT  | 20   | TO      | 1             | 20:1 |       |     |       |  |  |  |  |
|               |               |        |     |      |         |               |      |       |     |       |  |  |  |  |
|               |               |        |     |      |         |               |      |       |     |       |  |  |  |  |
|               |               |        |     |      |         |               |      |       |     |       |  |  |  |  |
|               |               |        |     |      |         |               | QR   |       |     |       |  |  |  |  |
| YR            |               |        |     |      |         |               |      |       |     |       |  |  |  |  |



