

# ABB BALDOR RELIANCE III

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## Customer information packet

### VFSWDL3503

.5HP, 3480RPM, 1PH, 60HZ, 56C, 3516L, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                                        |
| <b>Frame</b>                          | 56C                                                         |
| <b>Frame Material</b>                 | Stainless 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>              | Cap Start, Induction Run                                    |
| <b>Output @ Frequency</b>             | .500 HP @ 60 HZ                                             |
| <b>Phase</b>                          | 1                                                           |
| <b>Synchronous Speed @ Frequency</b>  | 3600 RPM @ 60 HZ                                            |
| <b>Voltage @ Frequency</b>            | 115.0 V @ 60 HZ<br>230.0 V @ 60 HZ                          |
| <b>Agency Approvals</b>               | UR<br>CSA                                                   |
| <b>Ambient Temperature</b>            | 40 °C                                                       |
| <b>Auxiliary Box</b>                  | NO AUXILLARY BOX                                            |
| <b>Auxiliary Box Lead Termination</b> | None                                                        |
| <b>Base Indicator</b>                 | No Mounting                                                 |
| <b>Bearing Grease Type</b>            | Polyrex EM (-20F +300F)                                     |
| <b>Blower</b>                         | None                                                        |
| <b>Current @ Voltage</b>              | 3.600 A @ 230.0 V<br>4.000 A @ 208.0 V<br>7.300 A @ 115.0 V |
| <b>Design Code</b>                    | N                                                           |
| <b>Drip Cover</b>                     | No Drip Cover                                               |
| <b>Duty Rating</b>                    | CONT                                                        |
| <b>Efficiency @ 100% Load</b>         | 59.5 %                                                      |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                   |
| <b>Feedback Device</b>                | NO FEEDBACK                                                 |
| <b>Front Face Code</b>                | Standard                                                    |
| <b>Front Shaft Indicator</b>          | None                                                        |
| <b>Heater Indicator</b>               | No Heater                                                   |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | F          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 35E4628    |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 35WGL714   |
| <b>Layout</b>       | 35LYE4628  |
| <b>Eff. date</b>    | 08-30-2023 |
| <b>CD Diagram</b>   | CD0648     |
| <b>Poles</b>        | 02         |
| <b>Leads</b>        | 7#18       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 06-28-2017 |

|                               |                            |
|-------------------------------|----------------------------|
| High Voltage Full Load Amps   | 3.6 a                      |
| Insulation Class              | F                          |
| Inverter Code                 | Not Inverter               |
| KVA Code                      | M                          |
| Lifting Lugs                  | No Lifting Lugs            |
| Locked Bearing Indicator      | Locked Bearing             |
| Motor Finish                  | UNPAINTED                  |
| Motor Lead Exit               | Ko Box                     |
| Motor Lead Quantity/Wire Size | @ AWG<br>7 @ 18 AWG        |
| Motor Lead Termination        | Flying Leads               |
| Motor Standards               | NEMA                       |
| Motor Type                    | 3516L                      |
| Mounting Arrangement          | F1                         |
| Number of Poles               | 2                          |
| Overall Length                | 13.96 IN                   |
| Power Factor                  | 73                         |
| Product Family                | WD All SD Non-Encapsulated |
| Pulley End Bearing Type       | Sealed Bearing             |
| Pulley Face Code              | C-Face                     |
| Pulley Shaft Indicator        | Standard                   |
| Rodent Screen                 | None                       |
| RoHS Status                   | ROHS COMPLIANT             |
| Service Factor                | 1.25                       |
| Shaft Diameter                | 0.625 IN                   |
| Shaft Extension Location      | Pulley End                 |
| Shaft Ground Indicator        | No Shaft Grounding         |
| Shaft Rotation                | Reversible                 |
| Shaft Slinger Indicator       | No Slinger                 |
| Speed                         | 3480 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

| NP4427ALG30 |               |        |         |      |               |       |     |      |      |  |  |  |
|-------------|---------------|--------|---------|------|---------------|-------|-----|------|------|--|--|--|
| CAT #       | VFSWDL3503    |        |         |      | WT            | 33    |     | LBS  |      |  |  |  |
| SPEC        | 35E4628L714G1 |        |         |      | ENCL          |       |     | TEFC |      |  |  |  |
| SER #       |               |        |         |      | CC            |       |     | IP   | 69   |  |  |  |
| HP          | .5            |        |         |      | NEMA NOM. EFF |       |     |      | 59.5 |  |  |  |
| VOLTS       | 115/230       |        |         |      |               |       |     |      |      |  |  |  |
| AMPS        | 7.3/3.6       |        |         |      | PF            |       | 73  |      |      |  |  |  |
| RATING      | 40C AMB-CONT  |        |         |      |               |       |     |      |      |  |  |  |
| RPM         | 3480          |        |         |      |               |       |     |      |      |  |  |  |
| FRAME       | 56C           | HZ     | 60      | CODE | M             | CLASS |     | F    |      |  |  |  |
| SER.F.      | 1.25          | SF AMP | 8.2/4.1 | PH   |               | 1     | DES | N    |      |  |  |  |
| DE          | 6205          |        | ODE     | 6205 |               |       |     |      |      |  |  |  |
| LUBRICATION | POLYREX EM    |        |         |      |               |       |     |      |      |  |  |  |
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