

## Overview



|                                                      |                                                                            | SIRIUS 3RW30<br>Standard applications | SIRIUS 3RW40<br>Standard applications | SIRIUS 3RW44<br>High-Feature applications |
|------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------------|
| <b>Rated current at 40 °C</b>                        | <b>A</b>                                                                   | <b>3 ... 106</b>                      | <b>12.5 ... 432</b>                   | <b>29 ... 1 214</b>                       |
| <b>Rated operational voltage</b>                     | <b>V</b>                                                                   | 200 ... 480                           | 200 ... 600                           | 200 ... 690 <sup>8)</sup>                 |
| <b>Motor rating at 400 V</b>                         |                                                                            |                                       |                                       |                                           |
| • Inline circuit                                     | kW                                                                         | 1.5 ... 55                            | 5.5 ... 250                           | 15 ... 710                                |
|                                                      | hp                                                                         | 1.5 ... 75                            | 7.5 ... 300                           | 15 ... 950                                |
| • Inside-delta circuit                               | kW                                                                         | --                                    | --                                    | 22 ... 1 200                              |
|                                                      | hp                                                                         | --                                    | --                                    | 30 ... 1 700                              |
| <b>Ambient temperature</b>                           | <b>°C</b>                                                                  | -25 ... +60                           | -25 ... +60                           | 0 ... +60                                 |
| <b>Soft starting/ramp-down</b>                       |                                                                            | ✓ <sup>1)</sup>                       | ✓                                     | ✓                                         |
| <b>Voltage ramp</b>                                  |                                                                            | ✓                                     | ✓                                     | ✓                                         |
| <b>Starting/stopping voltage</b>                     | <b>%</b>                                                                   | 40 ... 100                            | 40 ... 100                            | 20 ... 100                                |
| <b>Starting and ramp-down time</b>                   | <b>s</b>                                                                   | 0 ... 20 <sup>1)</sup>                | 0 ... 20                              | 0 ... 360                                 |
| <b>Torque control</b>                                |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Starting/stopping torque</b>                      | <b>%</b>                                                                   | --                                    | --                                    | 20 ... 100                                |
| <b>Torque limit</b>                                  | <b>%</b>                                                                   | --                                    | --                                    | 20 ... 200                                |
| <b>Integral bypass contact system</b>                |                                                                            | ✓                                     | ✓                                     | ✓                                         |
| <b>Intrinsic device protection</b>                   |                                                                            | --                                    | ✓                                     | ✓                                         |
| <b>Motor overload protection</b>                     |                                                                            | --                                    | ✓ <sup>7)</sup>                       | ✓                                         |
| <b>Thermistor motor protection</b>                   |                                                                            | --                                    | ✓ <sup>2)</sup>                       | ✓                                         |
| <b>Integrated remote RESET</b>                       |                                                                            | --                                    | ✓ <sup>3)</sup>                       | ✓                                         |
| <b>Adjustable current limiting</b>                   |                                                                            | --                                    | ✓                                     | ✓                                         |
| <b>Inside-delta circuit</b>                          |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Breakaway pulse</b>                               |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Creep speed in both directions of rotation</b>    |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Pump ramp-down (torque control)</b>               |                                                                            | --                                    | --                                    | ✓ <sup>4)</sup>                           |
| <b>DC braking</b>                                    |                                                                            | --                                    | --                                    | ✓ <sup>4)</sup> 5)                        |
| <b>Combined braking</b>                              |                                                                            | --                                    | --                                    | ✓ <sup>4)</sup> 5)                        |
| <b>Motor heating</b>                                 |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Communications</b>                                |                                                                            | --                                    | --                                    | PROFIBUS/PROFINET (optional)              |
| <b>External display and operator module</b>          |                                                                            | --                                    | --                                    | (optional)                                |
| <b>Operating measured value display</b>              |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Error logbook</b>                                 |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Event list</b>                                    |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Slave pointer function</b>                        |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Trace function</b>                                |                                                                            | --                                    | --                                    | ✓ <sup>6)</sup>                           |
| <b>Programmable control inputs and outputs</b>       |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Number of parameter sets</b>                      |                                                                            | 1                                     | 1                                     | 3                                         |
| <b>Parameterization software (Soft Starter ES)</b>   |                                                                            | --                                    | --                                    | ✓                                         |
| <b>Power semiconductors (thyristors)</b>             |                                                                            | 2 controlled phases                   | 2 controlled phases                   | 3 controlled phases                       |
| <b>Screw terminals</b>                               |                                                                            | ✓                                     | ✓                                     | ✓                                         |
| <b>Spring-type terminals</b>                         |                                                                            | ✓                                     | ✓                                     | ✓                                         |
| <b>UL/CSA</b>                                        |                                                                            | ✓                                     | ✓                                     | ✓                                         |
| <b>CE marking</b>                                    |                                                                            | ✓                                     | ✓                                     | ✓                                         |
| <b>Soft starting under heavy starting conditions</b> |                                                                            | --                                    | --                                    | ✓ <sup>4)</sup>                           |
| <b>Configuring support</b>                           | Electronic selection slider ruler, Technical Assistance +49 (911) 895-5900 |                                       |                                       |                                           |

✓ Function available, -- Function not available

<sup>1)</sup> Only soft starting available for 3RW30.<sup>2)</sup> Optional up to size S3 (device version).<sup>3)</sup> For 3RW402.. to 3RW404.; for 3RW405.. and 3RW407.. optional.<sup>4)</sup> Calculate soft starter and motor with size allowance where required.<sup>5)</sup> Not possible in inside-delta circuit.<sup>6)</sup> Trace function with Soft Starter ES software.<sup>7)</sup> When using the motor overload protection according to ATEX, an upstream contactor is required.<sup>8)</sup> In inside-delta circuit up to 600 V.More information can be found on the Internet under:  
[www.siemens.com/softstarter](http://www.siemens.com/softstarter)