

## New Electronic Unit for Secop BD1.4F- VSD Compressors

The present generation of electronic units for our BD1.4F-VSD compressors is for the main part based on ST7 microcontroller technology. Due to end of life of this ST7 microcontroller, Secop has developed a new electronic unit (101N2130) based on STM32 microcontroller technology.

### Improvements

The key improvements of the new electronic units are:

- New yet trusted 32-bit Arm®Cortex®-M0 microcontroller platform
- Full technology upgrade using latest generation components with long term availability
- Enhanced electromagnetic interference (EMI) performance
- New, stable, and powerful fan output, now referring to battery minus, to support a wide range of fans
- The new electronic units will have a similar housing, (see figure)
- Fit and function is backwards compatible



Fig. New electronic unit 101N2130

### Timing and Availability of 101N2100

The production changeover of the electronic units will be mid 2022. From this time on the old 101N2100 electronic unit will no longer be available.

### Timing of Change

Please reserve time for your internal and external testing on all your products currently using the 101N2100 electronic unit. Samples for internal and external tests can be provided upon request.

### Code Numbers

The electronic units replace their predecessors as follows:

| New code number | Old code number |
|-----------------|-----------------|
| 101N2130        | 101N2100        |

Table The current and new versions