

New BD Micro Generations for R134a and R1234yf

Secop will be introducing improved versions of BD1.4F compressor types for 12 V DC and 12/24 V DC applications. The compressors will also be released for R1234yf and have a further optimized noise level.

Code Numbers

BD1.4F-AUTO type, 12V DC	OLD	NEW (see figure 1)
Compressor	BD1.4F-AUTO.3	BD1.4F-AUTO.3
Code number	109Z0104	109Z0106
Refrigerant	R134a	R134a / R1234yf

BD1.4F-VSD type, 12/24 V DC	OLD / Discontinued	NEW (see figure 2)
Compressor	BD1.4F-VSD.2	BD1.4F-VSD.3
Code number	109Z0204	109Z0209
Refrigerant	R134a	R134a / R1234yf
Connector type	mm	mm

Inch connector type 109Z0206 will remain and will not be released for R1234yf

Improvements

R1234yf, the low GWP and standard refrigerant for car air conditioning systems, has now also been approved for compressors installed in e.g. car minibars or truck refrigerators. The BD1.4F-AUTO.3 and BD1.4F-VSD.3 can operate with both refrigerants, R134a and R1234yf and are labelled accordingly.

The new models have a reduction of:

- up to 15 dB(A) for contact noise
- up to 5 dB(A) for start-up noise
- up to 2 dB(A) for running noise

compared to BD Micro first generation.

The lower noise level has been achieved by a redesign of several inner parts of the compressor. All other technical specifications will remain the same.

Approvals

109Z0209 does not have any approvals, which means our AC/DC electronic unit cannot be applied.

Release Date

The new compressor models are available for sales.

Datasheets are available in our Product Selector tool on our website www.secop.com.



Fig. 1 BD1.4F-AUTO.3, code number 109Z0106



Fig. 2 BD1.4F-VSD.3, code number 109Z0209