PRODUCT BULLETIN

SECOP

Date Code Format, Country of Origin, and Labels

P / T / D / N / F / S / G, BD-P, BD-T, BD Micro Series Compressors*

Secop compressors have a manufacturing date code stamp or a needle print on the housing.
The content of the coding (Fig.1) is set in two lines according to the example below:

G6772D (6 characters or just 4 digits for D-Series compressors, e.g. 4765)
012A08M (7 characters, 8 characters for BD Micro)

<u>Composition of line 1</u>

G6772: Compressor type information (105G6722 = G6772)
D: internal Secop code

<u>Composition of line 2</u>

01: Production week
2: Production year
A: Production day
A = Monday, B = Tuesday,
C = Wednesday, D=Thursday, etc.
08: Production hour 00 to 23 or shift code -1, -2, -3
M: Secop internal production location code
A, D, L, M, O, R, U Slovakia
W to Z China

On BD Micro compressors (code number 109Z....), the production year is indicated by two digits, e.g. "11" for 2011 and a serial number behind the location code.

<u>Former internal production location code</u>

A to G, U Germany:
A until week 50/2005
D until week 35/2006
U until week 08/2010
K to N Slovenia
K until week 39/2012
L until week 34/2011
M until week 02/2012
N until week 02/2012
S, R Mexico:
R up to week 27/2004

Fig.1 Needle print coding on compressor housing and country of origin on type label

Country of Origin on Type Labels

The country of origin (in capital letters) or the manufacturer is also indicated on the type label.
Examples:

MADE IN SLOVAKIA
- for compressors made in Slovakia (Fig.2)

MADE IN CHINA
- for most compressors made in China (Fig.3)

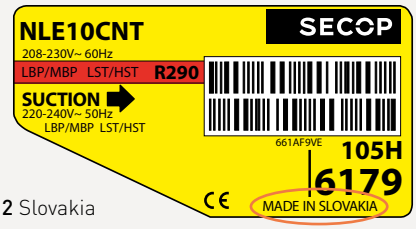

Fig.2 Slovakia

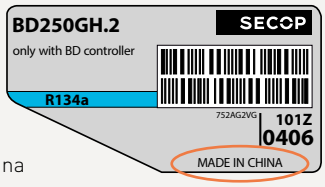

Fig.3 China

Alternative Solution for Compressors Manufactured in China

Made by Secop | optional label "MADE IN CHINA"
- for compressors made in China (Fig.4)
- "Made by Nidec" from 05/2018 to 12/2019

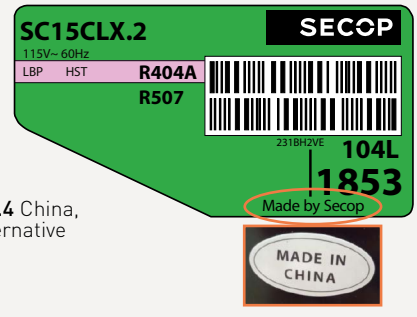

Fig.4 China, alternative

* T / D / F / BD-T Series compressors are discontinued

P/T/D/N/F/S/G and BD-P, BD-T, BD Micro Labels*

All compressors for 220-240 V have a yellow label with the type designation. Compressors for 115 V have a green label with the type designation.
Direct current compressors and variable speed compressors have a gray label.
The label for 'R404A R507' or 'R404A R407C R507' has a lilac stripe. The label for 'R134a' has a blue stripe. The labels for 'R290" and 'R600a' both have a red stripe.
The country of origin indicated on the compressor paper label and on the compressor varies depending on the manufacturing place (see page 1).

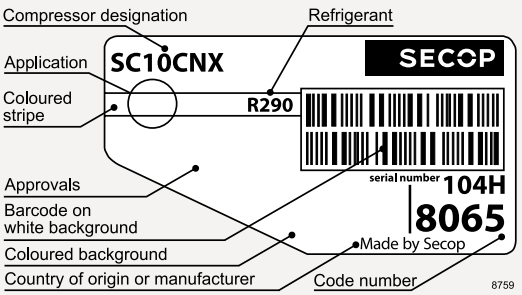

Fig.4 Type label informations

Barcode Format

The Secop type label (Fig.4) comprises two barcode lines. The first line is the full code number of the compressor and the second line is the compressor serial number. These barcodes contain 8 characters each and are printed in code 128.

Serial Number

The compressor serial number is also written in normal letters below the barcodes (Fig.5).
The serial number contains 8 digits, written in characters 0...9 and A...Z, excluding I and O.

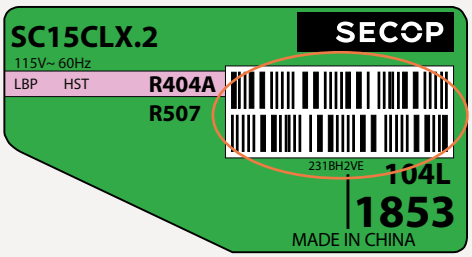

Fig.5 Barcode and serial number

UL Approval Marking

Most compressors that are capable of running at 60 Hz have been approved for safety by the testing authority UL (Underwriters Laboratories).
UL approval markings appear on a separate approval mark label (Fig.6).

Fig.6 Approval mark

Yellow Warning label

Secop compressors for the flammable refrigerants R600a, R290, R170, R1270, and R1234yf are equipped with a yellow warning label as shown (Fig.7).
Do not use open fire near the refrigerants R600a, R290, R170, R1270, and R1234yf. The refrigeration system must be opened using a tube cutter.
In order to carry out service and repair on R600a, R290, R170, R1270, and R1234yf systems the service personnel must be properly trained to be able to handle flammable refrigerants. This includes knowledge of tools, transportation of the compressor and refrigerant, and the relevant regulations and safety precautions when carrying out service and repair.

Fig.7 Warning labels

Electronic Units Labels

Secop labels on electronic units consist of a 2D Data Matrix code area and a number of lines with informations (Fig.8).
The 2D Data Matrix code is always built up with 62 characters containing information about type, code number, product version, product revision, unit ID, supplier, part number, and text.

Text information on the label:
Line 1: **ID:** PLYYWWssssss (unique number)
Line 2: **Date:** YYWW
Line 3: **Ver.:** VV
Line 4: **Text:** text

Meaning:
PL Production location, 01 ... 99
YY Year, 12 = 2012
WW Week number, 01 ... 52
ssssss Serial number, 000001 ... 999999
VV Version, 00 ... 99

Labels of UL/CB-approved electronic units contain a LRA (locked rotor amp) value and a reference to the data sheet.

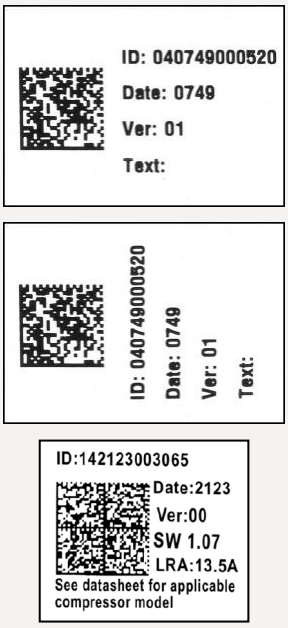

Fig.8 Examples for labels on electronic units

* T / D / F / BD-T Series compressors are discontinued

Date Code Format, Country of Origin, and Labels

K / KL-Series Compressors

Secop K-Series (formerly KAPPA) and KL-Series compressors manufactured since June 2026 will have a laser printing for the manufacturing date code. The content of the coding (Fig.9) is set in two lines according to the example:

G6711 (5 characters or just 4 digits)
226A10 (6 characters)

<u>Composition of line 1</u>

G6711: Compressor type information(e.g. 106G6711)

<u>Composition of line 2</u>

22: Production week
6: Production year
A: Production day (A = Monday, B = Tuesday, etc.
10: Production hour 00 to 23 or shift code -1, -2, -3

Fig.9 Laser print coding on K / KL compressor housing

Serial Number

Production-relevant information (e.g. production date and production line) can also be taken from the compressor serial number. The type labels for K- and KL-Series compressors contain two barcode lines. The first line is the full code number of the compressor and the second line is the compressor serial number. The serial number barcode contains 8 characters, written in characters 0...9 and A...Z, without I and O. The code number barcode contains 8 characters. Both are printed in code 128.
Both numbers are also be written in normal letters below the barcodes. The serial number contains 8 digits, e.g.:

BN37G802 written in characters 0...9 and A...Z, excluding I and O.

B: Line: B (KL and K-Series)
N: Year: A..Z (2010 to 2033), 0..6 (2034 to 2040)
3: Month: 1..9, A..C (January to December)
7: Day: 1..9, A..X (1. to 31.)
G: Hour: 0..9, A..P (0 to 23)

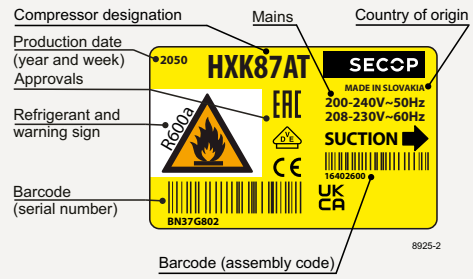

Fig.10 K-Series HXK compressor type label

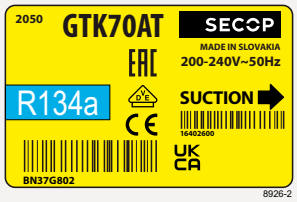

Fig.11 K-Series GTK compressor type label with blue area for R134a

Type Labels K-Series

The country of origin (in capital letters) is marked on the type label: **MADE IN SLOVAKIA**
Compressors for 220-240 V have a yellow label with the type designation (Fig.10).
The label for 'R134a' types has a blue area for the refrigerant (Fig.11).

Type Labels KL-Series

The country of origin (in capital letters) is marked on the type label: **MADE IN SLOVAKIA**
Compressors for 220-240 V have a yellow label with the type designation. Compressors for 115 V have a green label with the type designation.
The label for 'R290' has a red stripe. The label for 'R134a' has a blue stripe (Fig.12).

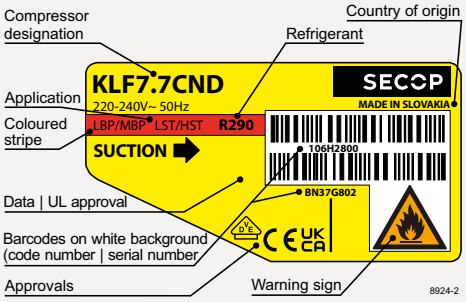

Fig.12 KL-Series type label

Yellow Warning Sign

Type labels of K- and KL-Series compressors using flammable refrigerants R600a and R290 comprise a yellow warning sign as shown (Fig.10 and Fig 13). Do not use open fire near the refrigerants R600a and R290. The refrigeration system must be opened using a tube cutter. In order to carry out service and repair on R600a and R290 systems the service personnel must be properly trained to be able to handle flammable refrigerants. This includes knowledge of tools, transportation of the compressor and refrigerant, and the relevant regulations and safety precautions when carrying out service and repair.

UL Approval

Most types which are capable of running at 60 Hz have been approved for safety by the testing authority UL (Underwriters Laboratories).
UL approval markings appear directly on the type label (Fig.13).

Fig.13 KL-Series compressors with yellow (220-240V) and green (115 V) type label

Date Code Format, Country of Origin, Labels

BD Nano-Series Compressors

Secop BD Nano compressors have a manufacturing date code needle print on the housing.
The content of the coding (Fig.14) is set in two lines according to the example below:

Z04002 (6 characters)
091C10N (7 characters,

Composition of line 1

Z0400: Compressor type information (109Z0400 = Z0400)
2: internal Secop code

Composition of line 2

09: Production week
1: Production year
C: Production day
A = Monday, B = Tuesday,
C = Wednesday, D=Thursday, etc.
10: Production hour 00 to 23 or shift code -1, -2, -3
N: Secop internal production location code
K to Z China

The country of origin (in capital letters) will also be marked on the type label: **MADE IN CHINA** (Fig.15).

Fig.14 Needle print coding on compressor housing and country of origin on type label

Type Label

The BD Nano-Series compressors have a grey (indicating direct current and variable speed) type label and an additional label for approvals including a yellow warning sign for flammable refrigerants (Fig.15).
The type label for 'R134a' has a blue stripe. The type label for 'R600a' has a red stripe.
The country of origin is indicated on the top.
Suction and discharge connectors are marked with uppercase letters and arrows pointing towards them.
The BD Nano-Series type label contains a Data Matrix code which stores information about the code number and the serial number (8 characters each).

Additional Label

The additional white label on the BD Nano-Series compressors is used for approval marks and additional information, e.g. a yellow warning sign (triangle) that indicates how to handle flammable refrigerants.

Yellow Warning Sign

Do not use open fire near the refrigerants R600a (flammable) and R1234yf (mildly flammable).
The refrigeration system must be opened using a tube cutter.
In order to carry out service and repair on R600a and R1234yf systems the service personnel must be properly trained to be able to handle flammable refrigerants. This includes knowledge of tools, transportation of the compressor and refrigerant, and the relevant regulations and safety precautions when carrying out service and repair.

Electronic Units Label

See page 2 for details

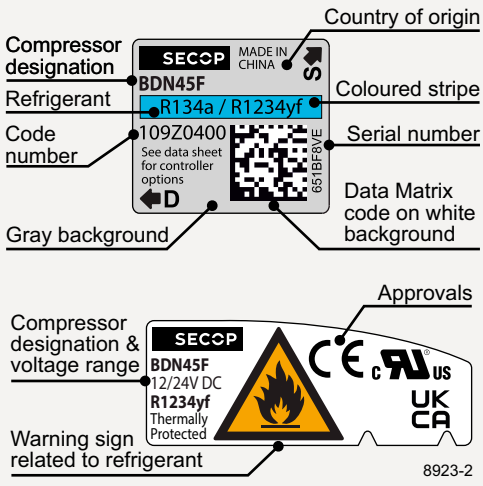

Fig.15 BD Nano-Series type label and additional label

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