

## EURONENT

CERTIFIED PERFORMANCE

## Product features

- Installation in ceiling or cold attic/loft
- Very silent, below $35 \mathrm{db}(\mathrm{A}) 10 \mathrm{~m}^{2}$ Sabine
- Low weight \& building height $<30 \mathrm{~cm}$
- Control through app and cloud services
- Configurable door solution


## Description

Flexit Nordic CL3 air handling units have been developed to be energy efficient in Nordic climate.

Fits well in apartments, detached houses, villas and small commercial buildings.
Connection option for kitchen hood via bypass solution.

The unit has high-efficiency rotary heat exchangers, with a temperature efficiency of up to $85 \%$, and fans with low power consumption.

Low building height makes the unit excellent for ceiling mounting or mounting in cold attic.

With configurable door, you can choose which direction to open the door.

Ventilation unit for ceiling installation in flats, small houses and accommodation blocks.


Automatic control
The Flexit GO app


Google Play
App Store


A NordicPanel control panel can be ordered as an accessory.

All Nordic units are controlled as standard via the Flexit GO app and can be supplemented with various accessories, eg. control panel, humidity sensor, pressure sensor for kitchen hood, $\mathrm{CO}_{2}$ sensor etc.

The control system is prepared for local needs control.

Cooling recovery is a standard feature in the Nordic series.

With Flexit GO you can also activate the function free / night cooling.
At high humidity, the defrost function ensures operation in cold climates.

|  | GTIN | Model |
| :--- | :--- | :--- |
| 800200 | 7023678002001 | Nordic CL3 RER right-hand model with electric battery |
| 800201 | 7023678002018 | Nordic CL3 REL left-hand model with electric battery |

## Technical data

| POWER | Rated voltage (AC 50 Hz) | CL3 RE with electric battery |
| :--- | :--- | :--- |
|  | Frequency | 230 V |
|  | Fuse size | 50 Hz |
|  | Rated current | 10 A |
|  | Rated power, total | 3.9 A |
|  | Rated power, max. electric battery | 500 W |
|  | Rated power, fans | $2 \times 83 \mathrm{~W}$ |
|  | Rated power, rotor motor | 4 W |
|  | IP class* | 21 |


| VENTILATION | Fan type | B-wheel |
| :--- | :--- | :--- |
|  | Fan motor control | $0-10$ V |
|  | Max. fan speed RPM | 3,200 |
|  | Automatic control | Flexit GO |
|  | Filter class | ePM1 55\% (F7) |
|  | Filter type (supply air/extract air) | Compact filter |


| DIMENSIONS | Filter dimensions (WxHxD) | $290 \times 230 \times 48 \mathrm{~mm}$ |
| :--- | :--- | :--- |
|  | Kitchen fan connection | Dia. 125 mm |
|  | Weight, ventilation unit | 58 kg |
|  | Weight, rotor | $11,3 \mathrm{~kg}$ |
|  | Weight, door | $12,5 \mathrm{~kg}$ |
|  | Weight, fan | $1,5 \mathrm{~kg}$ |
|  | Duct connection | Dia. 160 mm |
|  | Height | 700 mm |
|  | Width | 1160 mm |
|  | Depth | 296 mm |


| COATING | Colour | White |
| :--- | :--- | :--- |
|  | RAL | 9016 |
|  | Gloss | $25-35$ |

[^0]
## Energy class: <br> A

CTRL 0.65

## LOCAL DEMAND CONTROL

Sensor control for different zones
Accessories: App $+\mathrm{CO}_{2}$ sensor/motion sensor + damper
Result: Increased air flow rate in zones that need it

## RFLEXIT

Dimensioned drawings
Dimensions in mm


## Capacity diagram

Supply air side L


Extract air side L


| $H z$ | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | $L w A$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $L w(d B)$ | $L w(d B)$ | $L w(d B)$ | $L w(d B)$ | $L w(d B)$ | $L w(d B)$ | $L w(d B)$ | $L w(d B)$ | $(d B A)$ |
| Supply air | 8 | 6 | 5 | -6 | -11 | -9 | -18 | -22 |  |
| Extract air | 13 | 8 | 6 | -8 | -15 | -19 | -27 | -21 |  |
| Radiated sound 1 | -7 | -17 | -14 | -21 | -30 | -28 | -34 | -40 | -19 |
| Radiated sound 2 (integrated) | -8 | -21 | -20 | -33 | -39 | -37 | -44 | -49 | -27 |

## Explanation of diagram:

Sound data is specified as sound power level LwA in the capacity diagrams. (This is sound to duct.)

These values can be corrected by means of the table for the different octave bands in order to look at Lw (without adaptation to A band).

The correction table for the various octaves is stated in Lw, which means that the Lw values are after conversion of each octave for supply air and extract air.

Radiated sound from the unit must be calculated from the supply air diagram.

## Supply air side R

Air flow rate [1/s]


Extract air side R


| Hz | 63 <br> Lw(dB) | $\begin{aligned} & 125 \\ & \mathrm{Lw}(\mathrm{~dB}) \end{aligned}$ | $\begin{aligned} & 250 \\ & \mathrm{Lw}(\mathrm{~dB}) \end{aligned}$ | 500 Lw(dB) | $\begin{aligned} & 1000 \\ & \mathrm{Lw}(\mathrm{~dB}) \end{aligned}$ | $\begin{aligned} & 2000 \\ & \mathrm{Lw}(\mathrm{~dB}) \end{aligned}$ | $\begin{aligned} & 4000 \\ & \mathrm{Lw}(\mathrm{~dB}) \end{aligned}$ | $\begin{aligned} & 8000 \\ & \mathrm{Lw}(\mathrm{~dB}) \end{aligned}$ | LwA (dBA) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Supply air | 6 | 6 | 5 | -6 | -10 | -9 | -18 | -23 |  |
| Extract air | 13 | 7 | 5 | -9 | -14 | -18 | -25 | -15 |  |
| Radiated sound 1 | -9 | -17 | -14 | -22 | -30 | -28 | -34 | -41 | -19 |
| Radiated sound 2 (integrated) | -9 | -21 | -20 | -33 | -39 | -36 | -44 | -50 | -27 |

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Sound data is specified as sound power level LwA in the capacity diagrams. (This is sound to duct.)

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Radiated sound from the unit must be calculated from the supply air diagram.

## Position

The unit can be installed in the following ways:

1. On the ceiling.
2. On the wall (mounting is available as an accessory)
3. Horizontally on the floor (absorption feet are available as an accessory or use damping blocks supplied with the ceiling suspension)
4. Vertically on the floor (absorption feet are available as an accessory or use damping blocks supplied with the ceiling suspension)

The CL3 is available in both a right and a left version, depending on what best matches the duct location.

The unit can be located in a cold zone such as the loft.


## Nipple location



For more information on topics including installation, wiring diagrams and accessories, see www.flexit.com

The product is listed in the database for building products that can be used in Nordic Swan Ecolabelled buildings.


[^0]:    *For installation on a ceiling

