

Product data sheet

#### 117542EN-06 2023-04

# Nordic CL3

ART.NO. 800200, 800201





#### Product features

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



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.

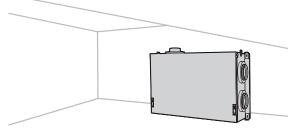
Connection option for kitchen hood via bypass solution.

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.











A NordicPanel control panel can be ordered as an accessory.

App Store

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,  $CO_2$ 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**

		CL3 RE with electric battery		
POWER	Rated voltage (AC 50 Hz)	230 V		
	Frequency	50 Hz		
	Fuse size	10 A		
	Rated current	3.9 A		
	Rated power, total	679 W		
	Rated power, max. electric battery	500 W		
	Rated power, fans	2x83 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 x 230 x 48 mm		
	Kitchen fan connection	Dia. 125 mm		
	Weight, ventilation unit	58 kg		
	Weight, rotor	11,3 kg		
	Weight, door	12,5 kg		
	Weight, fan	1,5 kg		
	Duct connection	Dia. 160 mm		
	Height	700 mm		
	Width	1160 mm		
	Depth	296 mm		
COATING	Colour	White		
	RAL	9016		
	Gloss	25-35		

\*For installation on a ceiling

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Energy class:

CTRL 0.65

#### LOCAL DEMAND CONTROL

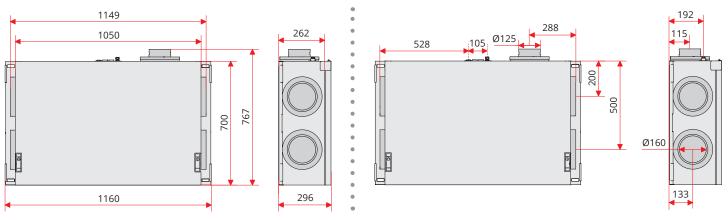
Sensor control for different zones **Accessories:** App + CO<sub>2</sub> sensor/motion sensor + damper **Result:** Increased air flow rate in zones that need it



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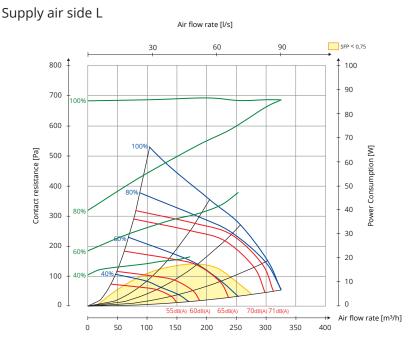
#### Dimensioned drawings

#### Dimensions in mm

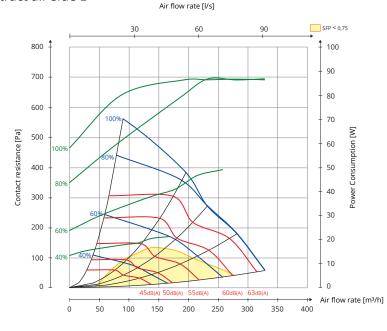


#### NORDIC CL3

#### Capacity diagram



Extract air side L



Hz	63 Lw(dB)	125 Lw(dB)	250 Lw(dB)	500 Lw(dB)	1000 Lw(dB)	2000 Lw(dB)	4000 Lw(dB)	8000 Lw(dB)	LwA (dBA)
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

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#### Explanation of diagram:

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

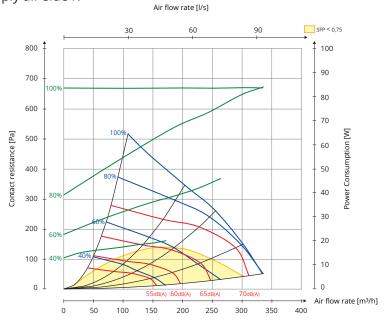
These values can be corrected by means of the table for the different octave bands in order to look at Lw (without adaptation to A band).

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.

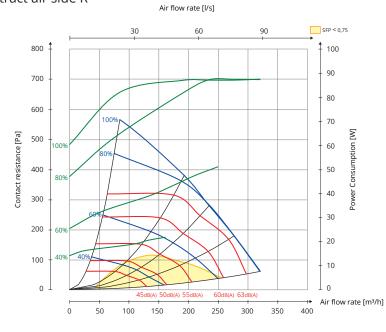
Radiated sound from the unit must be calculated from the supply air diagram.



#### Supply air side R



#### Extract air side R



Hz	63 Lw(dB)	125 Lw(dB)	250 Lw(dB)	500 Lw(dB)	1000 Lw(dB)	2000 Lw(dB)	4000 Lw(dB)	8000 Lw(dB)	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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#### Explanation of diagram:

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

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# 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.

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#### NORDIC CL3

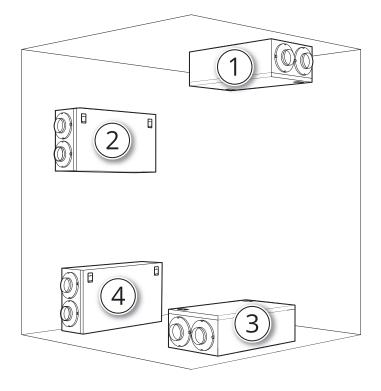
#### Position

#### 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.



FRONT

# FRONT (shown as a left-hand model) (shown as a right-hand model)

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

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#### Nipple location

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#### NORDIC CL3





Flexit participates in the ECP programme for RAHU. Check ongoing validity of certificate: www.eurovent-certification.com

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Flexit AS www.flexit.com The product is listed in the database for building products that can be used in **Nordic Swan Ecolabelled buildings**.

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