

# User manual



A tool for making calculations, receive dimensional sketches and find technical data  
for all Flexit Air handling units

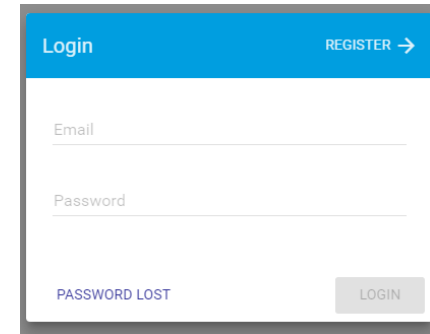
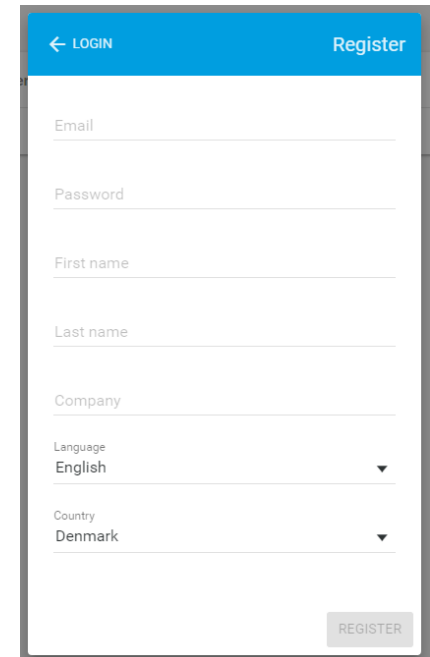
## You can access Flexit Select in two different ways:

- **With login (recommended)**  
When registering you will have access to all functions and possibility to integrate through Flexit Plugin.  
To register go to: [Flexitselect.flexit.no](http://flexitselect.flexit.no)
- **Without login**  
You will be able to make calculations but not to store, copy, share or make adaptations to the reports.  
To access Flexit Select without login go to:  
<http://flexitselect.flexit.no/#/unit/country/no>

## To Register:

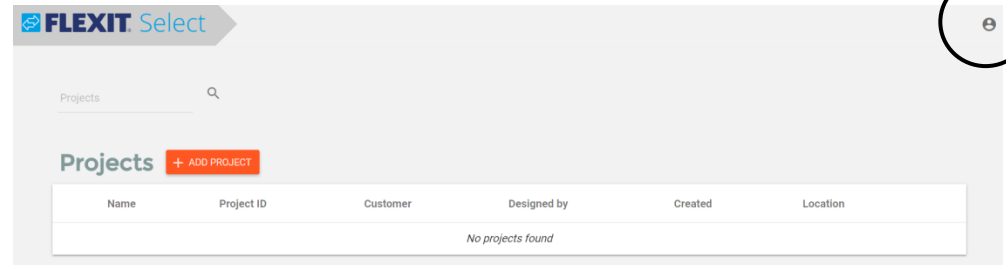
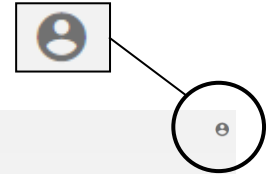
1. Go to [Flexitselect.flexit.no](http://flexitselect.flexit.no)
2. Click on "Register"
3. Complete all fields in the form: First name, Last name, Company, Language and Country. This will be the default values in the projects.
4. Click on "Register"

When using AutoCad-Plugin or Revit Plugin, please see instructions to these applications on our homepage.

A screenshot of the login form. The header is blue with "Login" on the left and "REGISTER →" on the right. Below the header are two input fields: "Email" and "Password". At the bottom left, there is a link "PASSWORD LOST" in blue. At the bottom right, there is a grey button labeled "LOGIN".A screenshot of the register form. The header is blue with "← LOGIN" on the left and "Register" on the right. Below the header are several input fields: "Email", "Password", "First name", "Last name", "Company", "Language" (with a dropdown menu showing "English"), and "Country" (with a dropdown menu showing "Denmark"). At the bottom right, there is a grey button labeled "REGISTER".

## User settings

Click on the symbol in the top right corner and select "User settings".



You can now change following information:

### General:

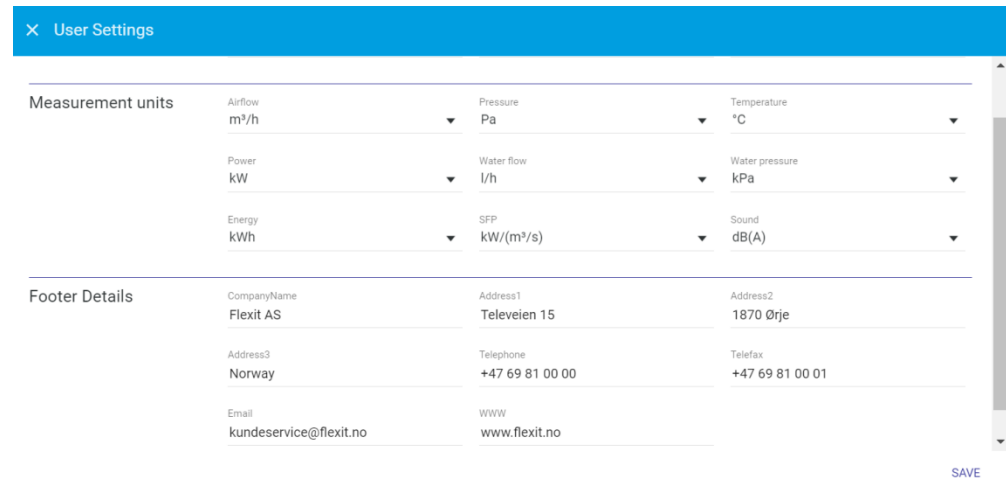
User interface language= language in form  
 Printout language = language in PDF report  
 Market Area = Default setting for "Country" in project data

### Measurement units:

Select units to use as input and output in your report.

### Footer details:

Put in the information you wish to have as text in the footer of the pdf-report.



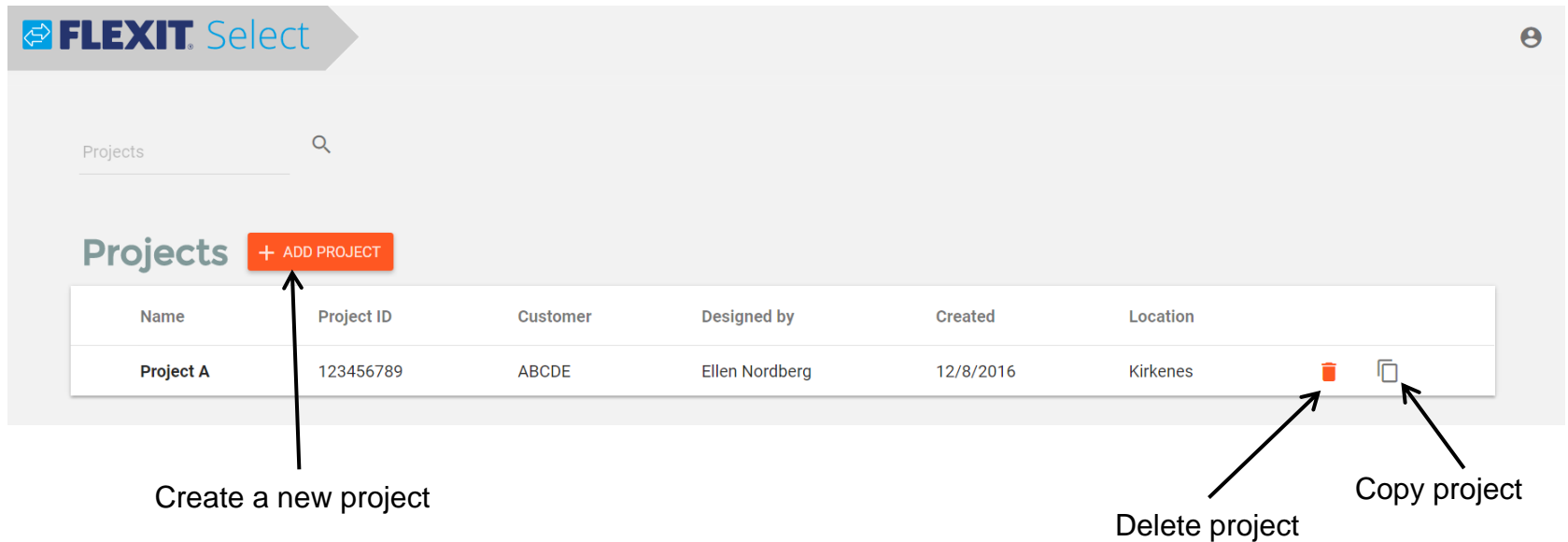
## Projects *(only in login)*

In Flexit Select you can make calculated projects and save these on user. A project can contain one or several calculations.

In this project overview you can also copy and delete existing projects.

### Create new project

To create a new project, click on the orange field "Add project"



Projects

**Projects** + ADD PROJECT

Name	Project ID	Customer	Designed by	Created	Location
Project A	123456789	ABCDE	Ellen Nordberg	12/8/2016	Kirkenes

Create a new project


Delete project

Copy project

## Project *(only in login)*

When you have chosen to make a new project, you will come in to the page below.

The fields marked with red needs to be filled in. The other fields will depend on which type of calculation you are doing. The fields under headings "Outdoor data" and "Extract air" are used when dimensioning water coils and when doing LCC-calculations.


Project

Share project  [↻](#)

### Project Data

Name*	
Value is required	
Project ID*	Country
Value is required	Norway ▼
Location	Customer*
Kirkenes ▼	Value is required
Designed by*	
Ellen Nordberg	
Information	

0/150

### Outdoor data

Temperature summer*		Temperature winter*	
25	°C	-25	°C
Humidity summer*		Humidity winter*	
50	%	10	%


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### Extract air

Temperature summer*		Temperature winter*	
22	°C	22	°C
Humidity summer*		Humidity winter*	
30	%	30	%

## Share a project

All projects made will be activated for sharing. To block the possibility to share, click on "Share project" -icon so that it turns grey.

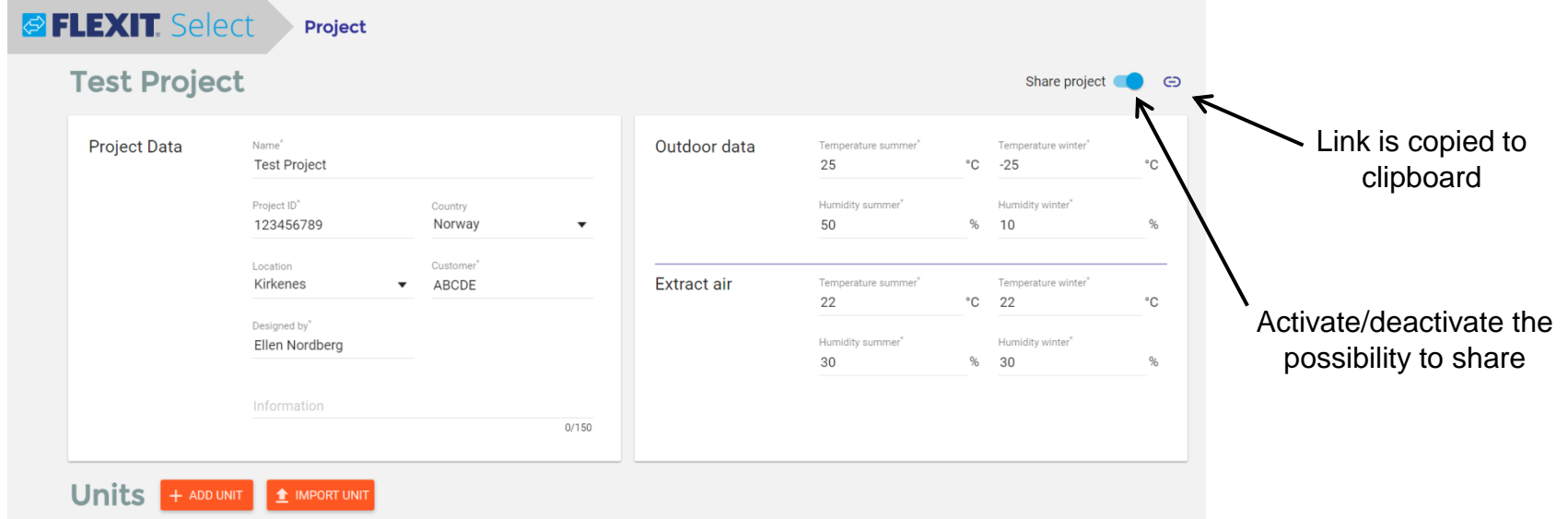
When clicking the symbol  a link is copied to the clipboard. This can for example be sent via email to others with whom you wish to share the project.

## Make a calculation

When all the red fields are completed in project data, you can start a calculation.

Click on "Add unit" to start a calculation: 

If the unit hasn't been exported earlier it can be imported with the function 



The screenshot shows the FLEXIT Select Project interface. The top navigation bar includes the FLEXIT Select logo and the word 'Project'. Below this, the title 'Test Project' is displayed. On the right side of the header, there is a 'Share project' toggle switch (currently turned on) and a link icon. Two arrows point to these elements: one from the text 'Link is copied to clipboard' pointing to the link icon, and another from the text 'Activate/deactivate the possibility to share' pointing to the toggle switch.

The main content area is divided into two columns. The left column is titled 'Project Data' and contains the following information:

Name*	Test Project		
Project ID*	Country	Norway	
123456789	Norway	▼	
Location	Customer*	ABCDE	
Kirkenes	ABCDE	▼	
Designed by*	Ellen Nordberg		
Information	0/150		

The right column is titled 'Outdoor data' and contains the following information:

Temperature summer*	°C	Temperature winter*	°C
25	°C	-25	°C
Humidity summer*	%	Humidity winter*	%
50	%	10	%

Below this is a section titled 'Extract air' with the following information:

Temperature summer*	°C	Temperature winter*	°C
22	°C	22	°C
Humidity summer*	%	Humidity winter*	%
30	%	30	%

At the bottom of the interface, there is a 'Units' section with two buttons: '+ ADD UNIT' and 'IMPORT UNIT'.

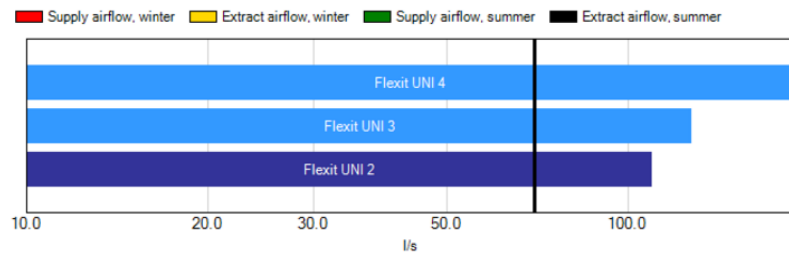
**Unit**

On this page there is an overview of the different product types from Flexit. Select the type to be used in the calculation.



There are different units under each product category. These will be displayed in the chart Airflow ranges.

**Airflow ranges**



To select a unit, click on the field "Model" under heading "Options".

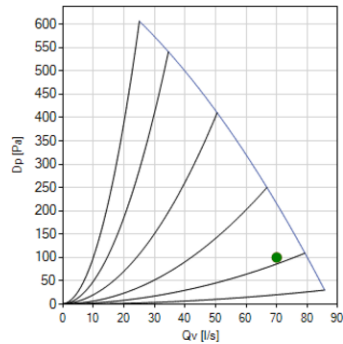
## Unit

If you don't wish to make a LCC-calculation or a calculation for cooling, tick the box at "Calculate only in Winter".

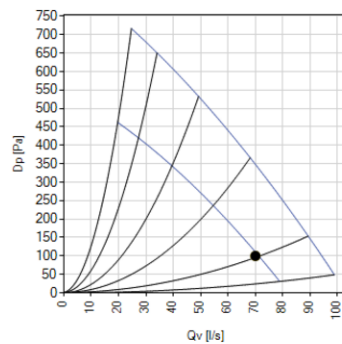
Calculate only in winter

The capacity chart indicates working area for supply and extract.

Supply



Extract



A few results are presented directly on this page: SFP, Temperature efficiency and ambient sound. Type of sound filter to be used in the resultat can be changed under heading "Options – Sound Filter".

## Performance

Ambient sound (Lw)	49 dB(A)
Temperature efficiency (EN308)	74 %
Temperature efficiency (EN13141-7)	69 %
SFP total winter	1.81 kW/(m <sup>3</sup> /s)



**Unit**

Several of Flexit's air handling units are available as left- or righthand model. You can make your choice under heading "Options" in the field "Connection".

The picture shows position of connections:



***(Only in login)***

On this page you will also be able to export the unit as a xml-file. This can later be imported by other users of Flexit Select.

↓ EXPORT UNIT

To receive a complete report, click on the field:

? RESULTS

**Results** *(only in login)*

Here you will find all results, dimensions and system drawing for the relevant unit.

**FLEXIT Select** Project Unit Results

**Flexit Spirit K 2 R E L EC 230 White**

Operating point in the winter is beyond the operating area.

**Flexit Spirit K 2 R E L EC 230 White**

General

Description	ddd
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Supply

Airflow summer	252 m³/h
Airflow winter	252 m³/h
Pressure drop summer	100 Pa
Pressure drop winter	100 Pa

Extract

Airflow summer	252 m³/h
Airflow winter	252 m³/h
Pressure drop summer	100 Pa
Pressure drop winter	100 Pa

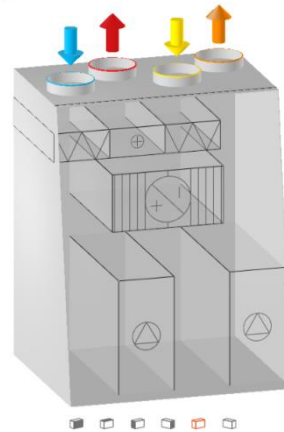
Performance

Ambient 1 sound (Lw)	48 dB(A)
Ambient 2 sound (Lw)	47 dB(A)
SFP total winter	0 kW/(m³/s)
SFP total summer	0 kW/(m³/s)

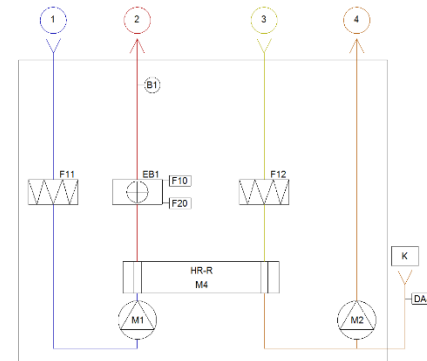
Results

Weight	56 kg
Fuse size	230V 10A

Dimensions



System drawing



Click on symbol



to store a DXF-block which can imported into Cad-applications other than MagiCad.

To store a Pdf-file, click on "Print":



## Print settings *(only in login)*


This page is also available from the project page.

When selecting output type "Residence", it will not be possible to change the content of the report.

This report is mainly concentrated to data necessary for the ventilation part in an energy calculation for a single family house. (Ex: SFP, temperature efficiency, sound, etc.)

When selecting output type "Technical", the report can be changed by the modules under heading "Print sections":

In "Print" it is possible to print all calculation of units in the project directly.

Click on  for the desired calculations.

× Print settings

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Output type  Technical  Residence

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Print sections  Technical printout  Diagrams  Dimensions  System drawing

Automatic control information

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Print

<input checked="" type="checkbox"/>	Unit code	Description	
<input type="checkbox"/>	Flexit Spirit K 2 R E L EC 230 White	ddd	?
<input checked="" type="checkbox"/>	Flexit UNI 2 R E EC L 230	cccc	!

