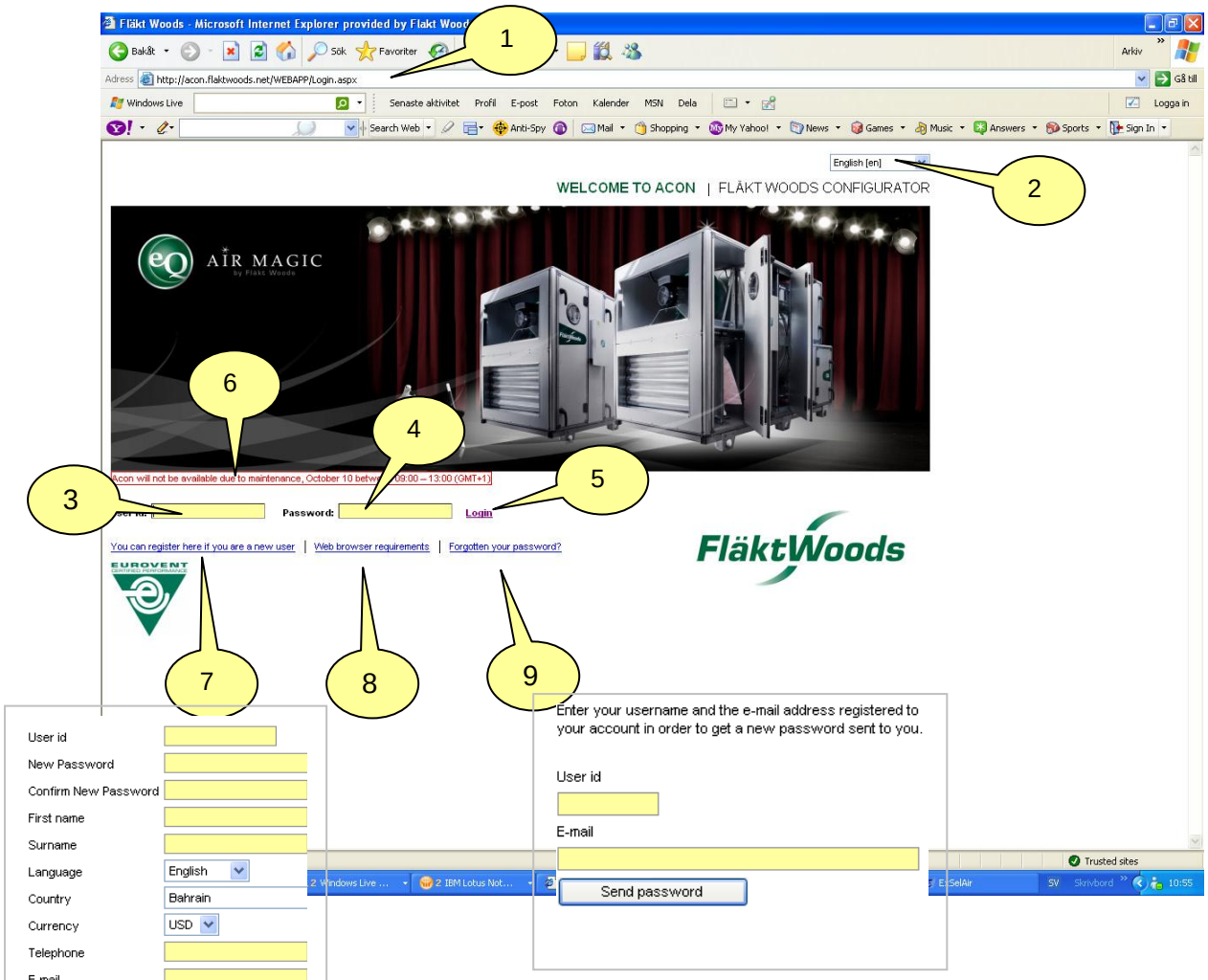
Uputstvo za korišćenje Acon programa za izbor klima komora

AIRTREND Ltd - GOBRID Ltd.
Kumanovska 14
11000 Beograd
Tel: 011/3836886; 3085740
Faks: 011/3444113
e-mail: gobrid@eunet.rs
www.airtrend.rs, www.gobrid.rs

1. Login

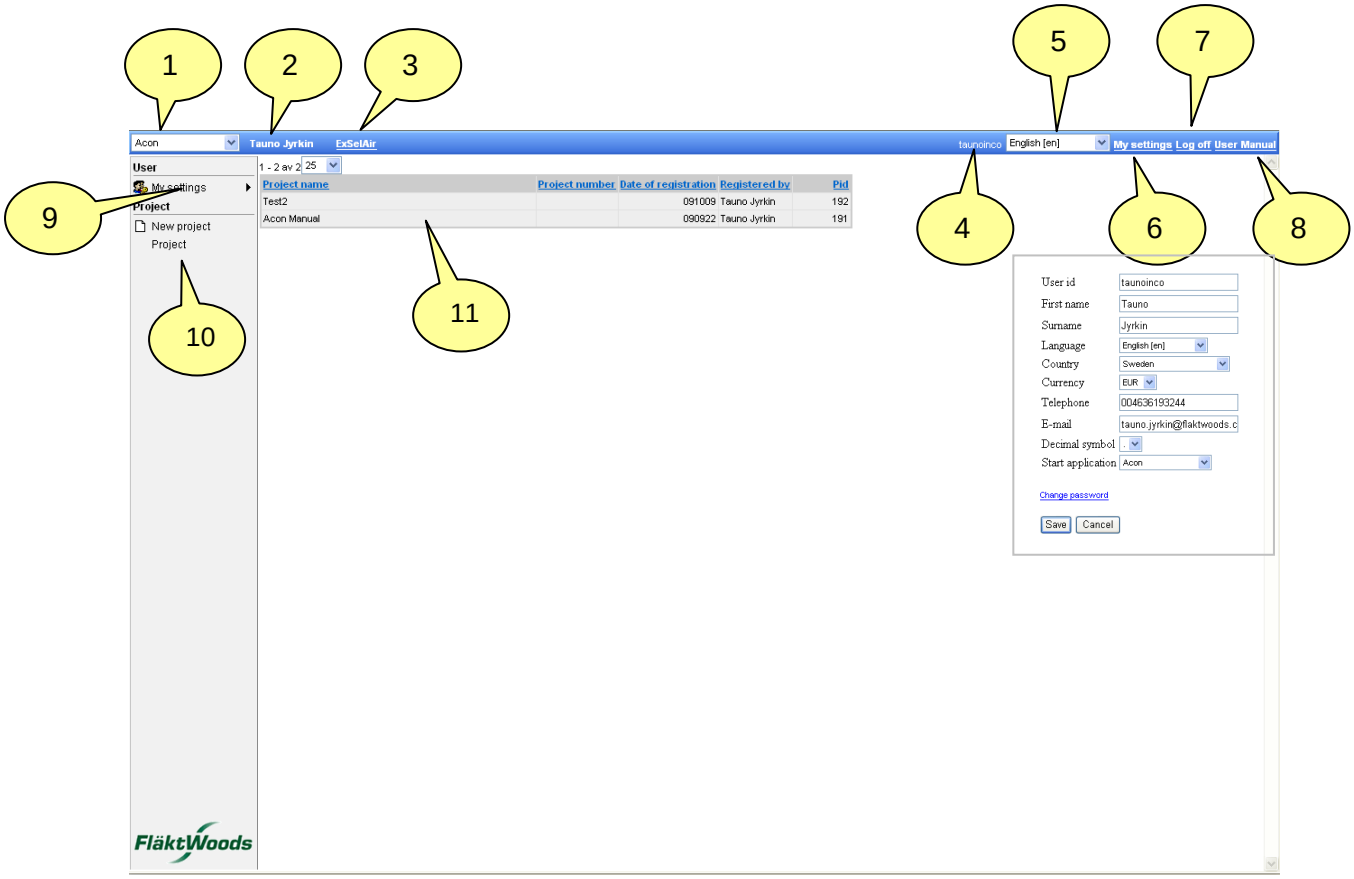
1. **Web address:** http://acon.flaktwoods.com
2. Select language
3. Key in your User id
4. Key in your Password
5. Click ***Login***

6. Information about service windows
7. Click ***You can register here if you are a new user*** in order to become an Acon user. Key in your data and click ***Save***. You will receive an e-mail when you have been registered.
8. Click Web browser requirements and you will get information about web browser requirements.
9. Click ***Forgotten your password?*** enter your User id and e-mail address and click ***Send password***.



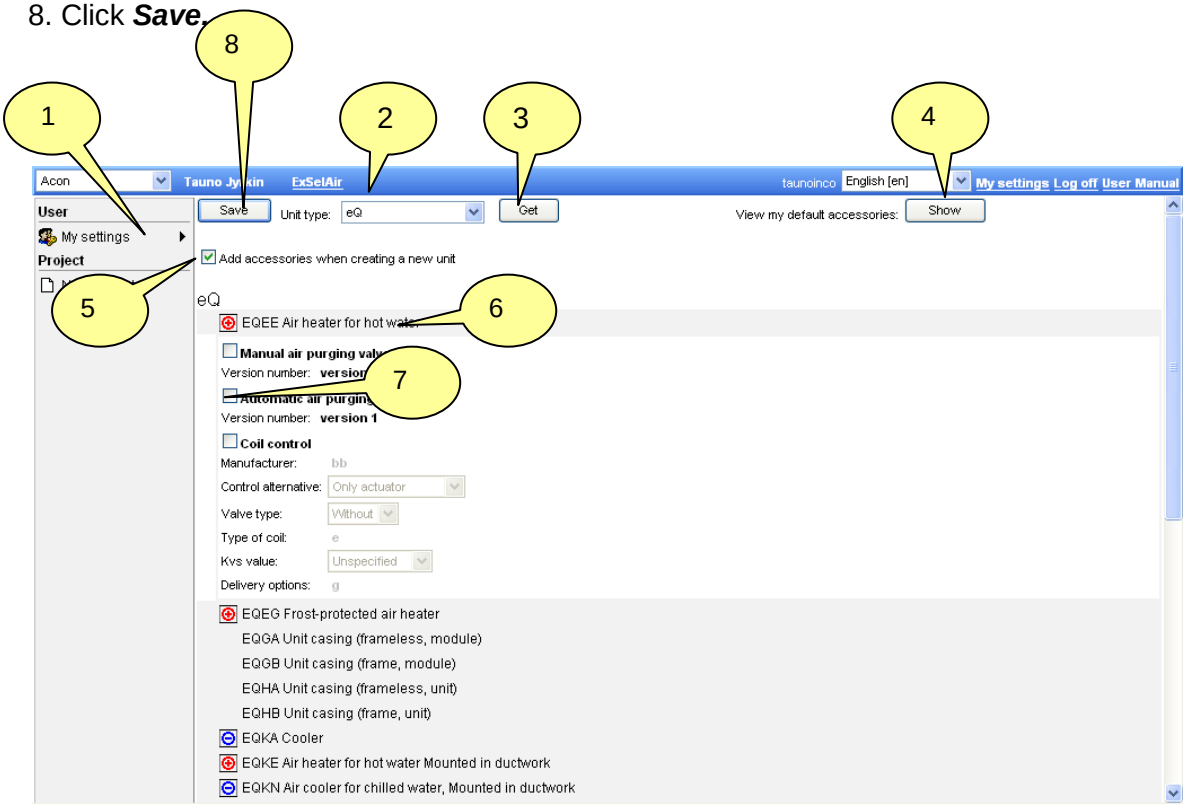
2. Settings

1. Select application, start application can be set in 6. ***My settings***.
2. Name, registered in 6. ***My settings***.
3. Link to ***ExSelAir*** , selection tool for air terminal devices, chilled beams and fan coils.
4. Registered User id
5. Select language
6. ***My settings***, user account data, decimal symbol and Password can be changed here.
7. ***Log off***
8. User manual
9. ***My settings*** for configuring and dimensioning
    - Default accessories automatically added to new units
    - Default dimensioning data
    - Defaults for Unit configuration
    - Defaults for Life Cycle Cost Calculation
10. Navigation panel
11. Project list, click row to open a project.



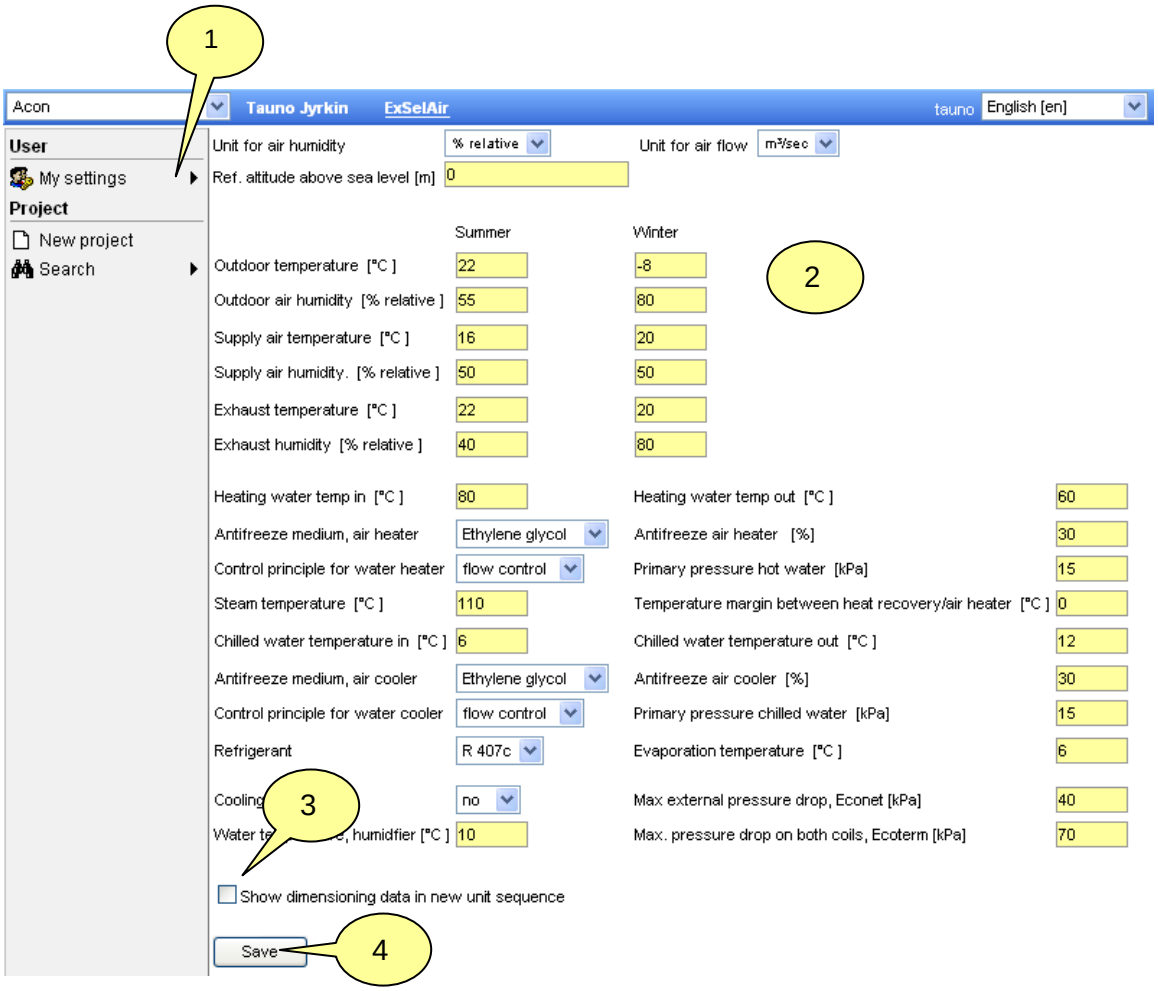
2.1 Set default accessories

1. Click ***My settings*** - Accessories in the menu.
2. Choose ***Unit type***.
3. Click ***Get***.
4. Click ***Show*** and view your selected accessories.
5. Mark **Add accessories….** and the accessories will automatically be added when you create a new unit.
6. Click a function, e.g. EQEE.
7. Mark accessories you want added as defaults.
8. Click ***Save***.



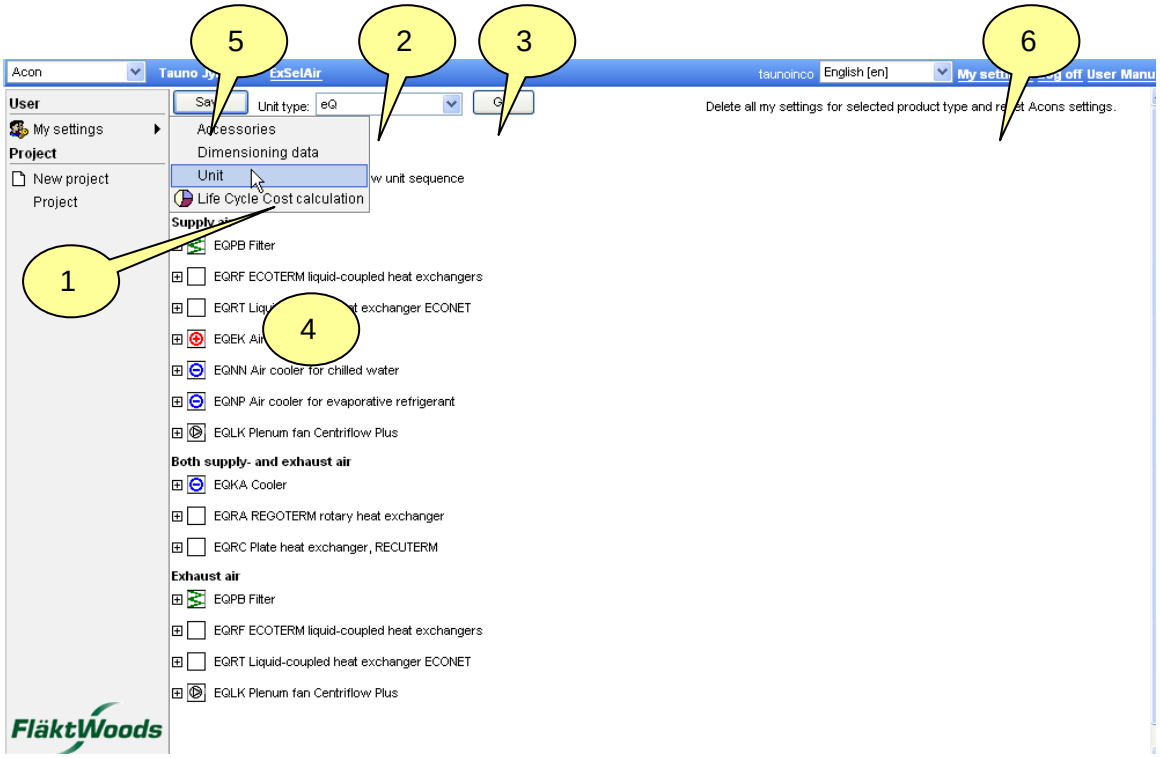
2.2 Set defaults for dimensioning data

1. Click ***My settings – Dimensioning data*** in the menu.
2. Select and key in defaults.
3. Mark ***Show dimensioning***….. if you want page dimensioning data be shown when you create a new unit.
4. Click ***Save.***



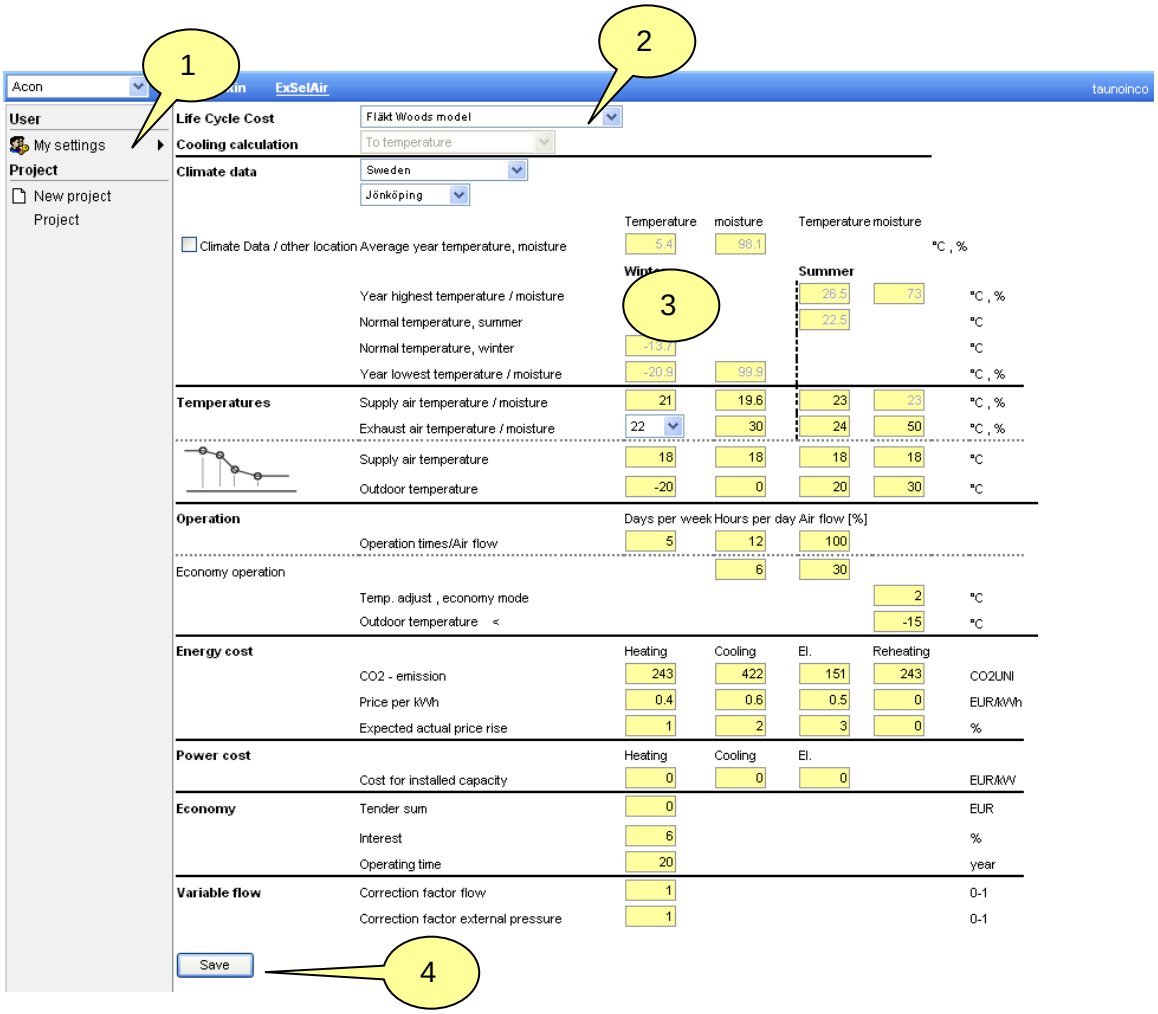
2.3 Set default for units

1 Click ***My settings-Unit*** in the menu.
2. Choose unit type
3. Click ***Get.***
4. Select defaults for the unit type.
5. Click ***Save***.
6. Click ***Delete*** if you want to remove all your settings.



2.4 Set default for Life Cycle Cost calculation

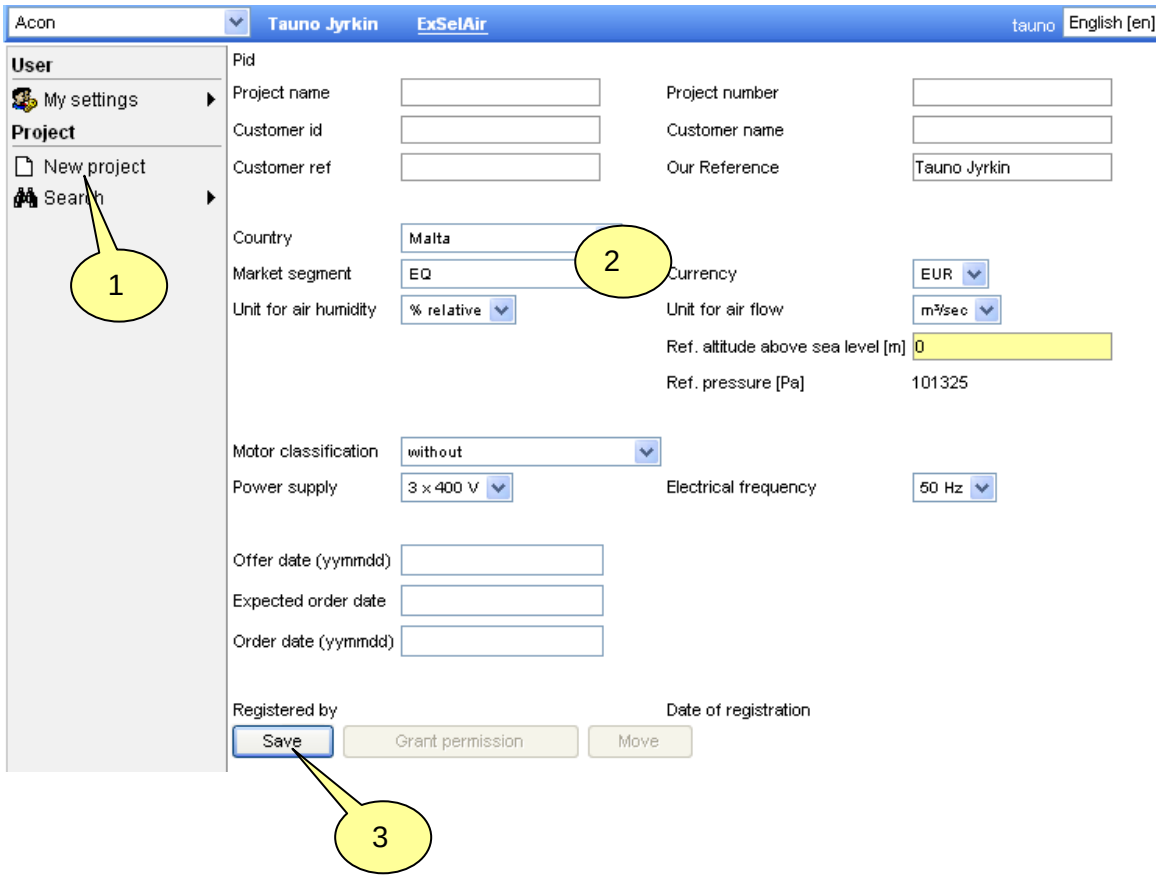
1. Click ***My settings – Life Cycle Cost*** calculation in the menu.
2. Choose between the Fläkt Woods model and Simplified Swedish model.
3. Select and key in default data.
4. Click ***Save***.



3. Project

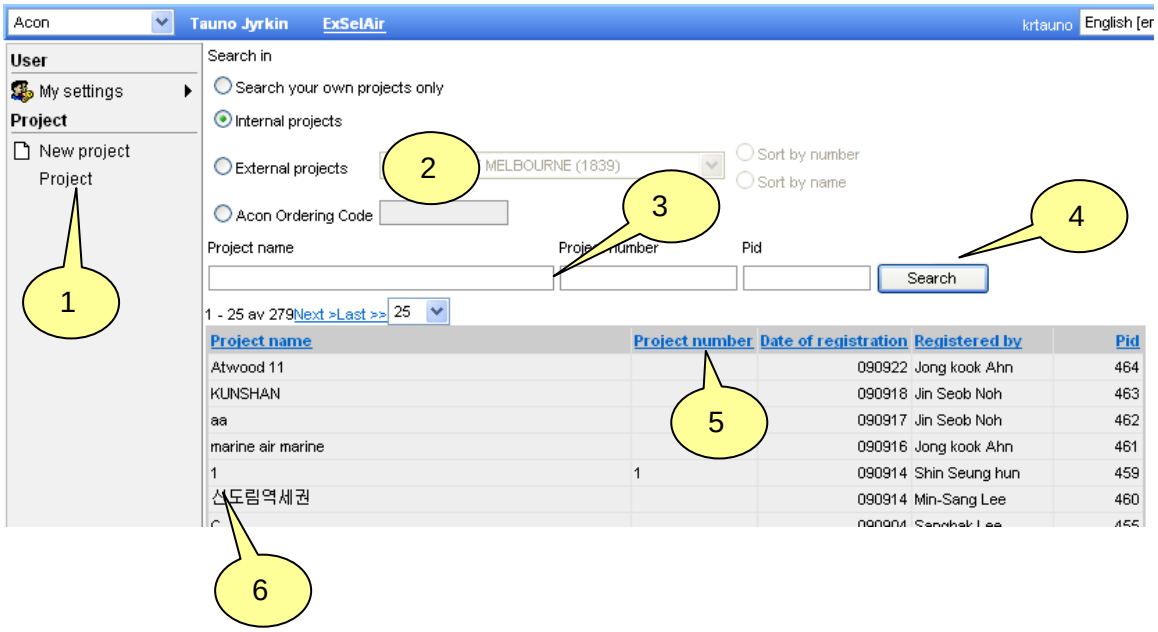
3.1 Create a new project

1. Click ***New project*** .
2. Key in and select project data.
3. Click ***Save.***



3.2 Search project

1. Click ***Project***.
2. You can search in
   - own projects
   - internal projects
   - external projects
   - or choose Acon ordering code and key in code.
3. Narrow your search further by keying in
   - Project name
   - Project number and/or
   - Project ID.
4. Click ***Search.***
5. You can sort the projects according to the headings by clicking them.
6. Open a project by clicking it.

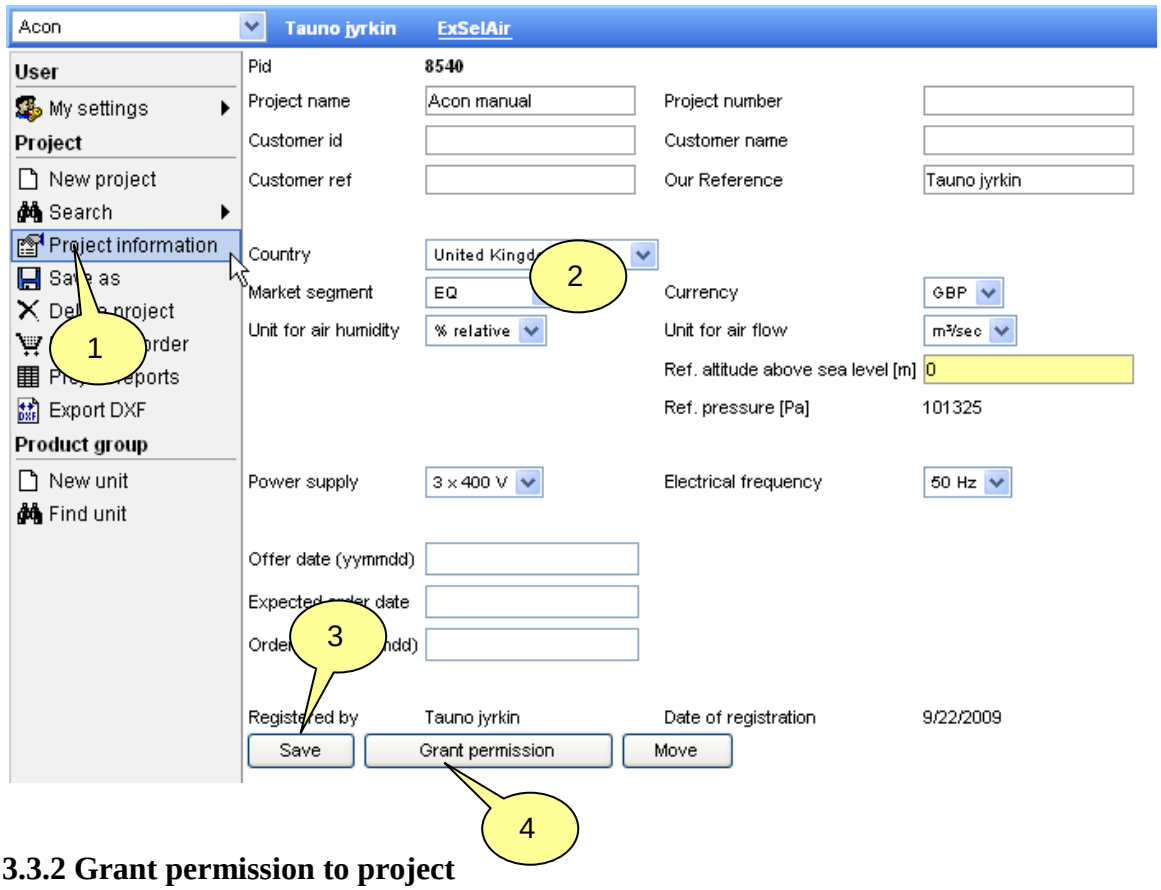


3.3 Project information

1. Click ***Project information*** in the left hand menu.

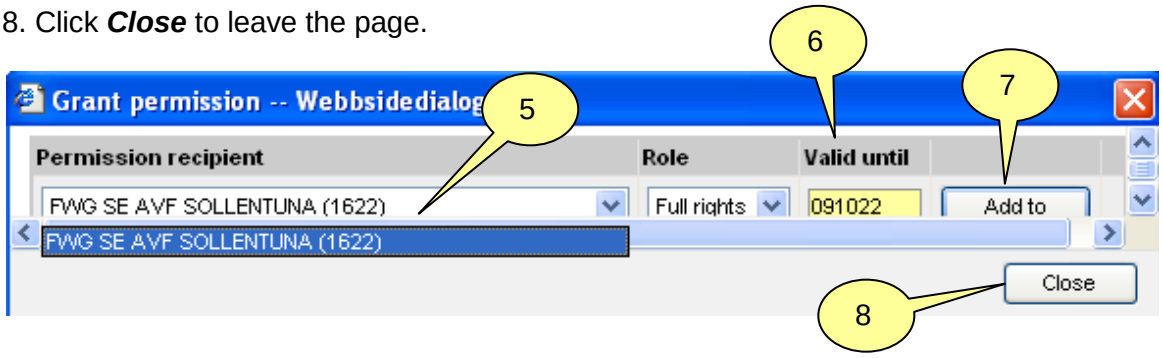
3.3.1 Change project data

2. Key in and select what you want to change.
3. Click ***Save***.



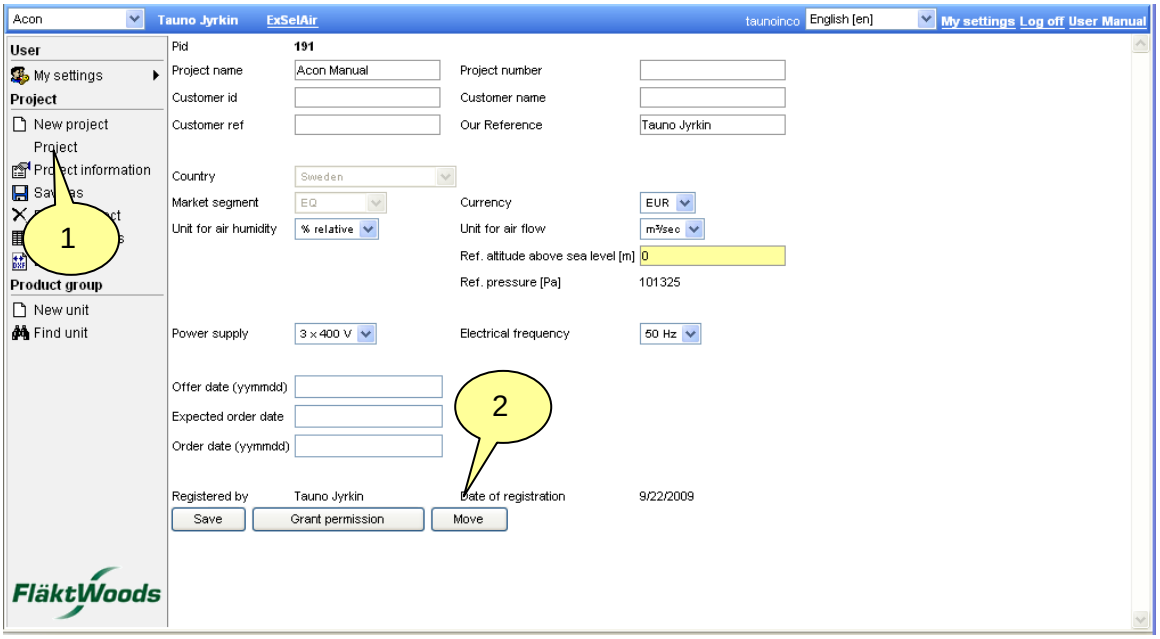
3.3.2 Grant permission to project

4. Click ***Grant permission***.
5. Choose Permission recipient
6. Key in date of validity.
7. Click Add to.
8. Click ***Close*** to leave the page.

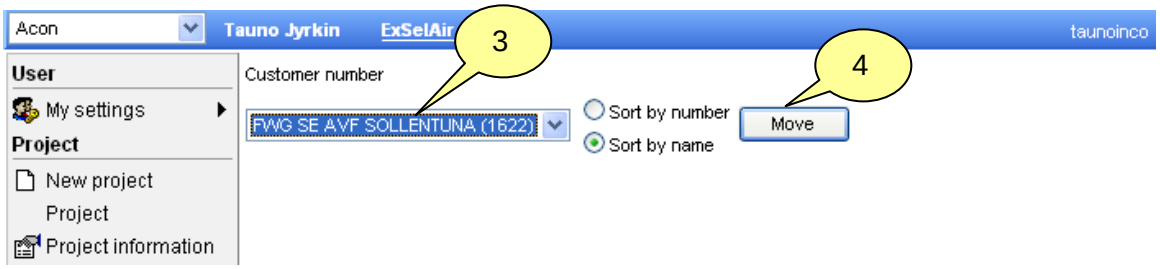


3.3.3 Move a project

1. Open a project
2. Click ***Move***.

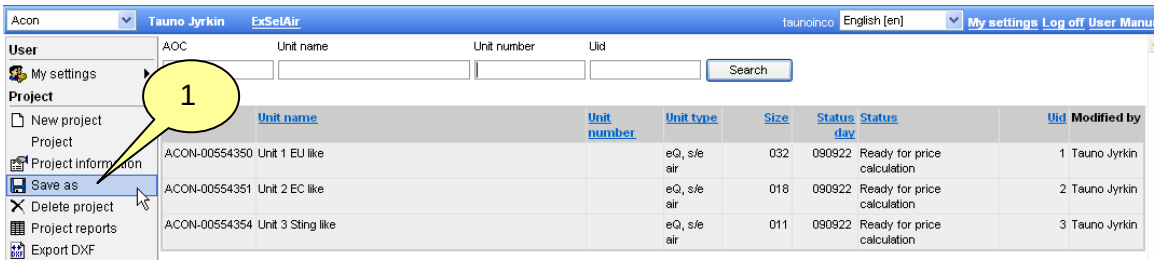


3. Select to whom you want to move the project.
4.. Click ***Move***.

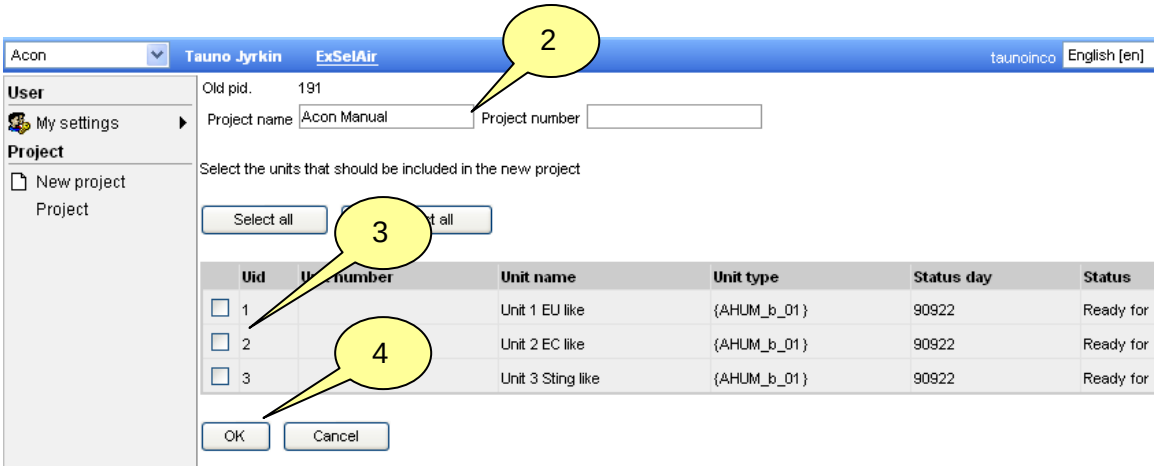


3.4 Copy project

1. Click ***Save as.***

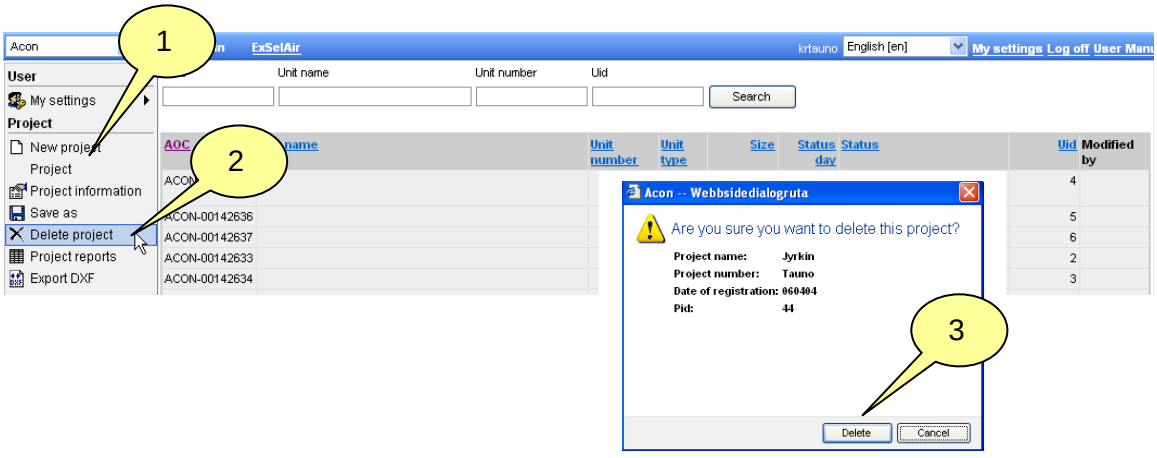


2. Key in a new project name and project number.
3. Mark the units you wish to copy for the new project.
4. Click ***OK***.



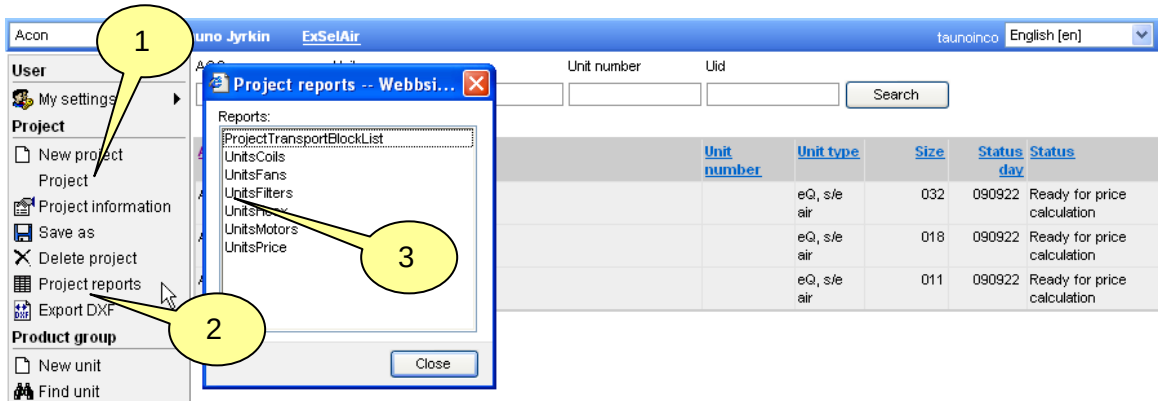
3.5 Delete project

1. Open a project
2. Click ***Delete project.***.
3. Click ***Delete,*** will become active after 5 seconds.



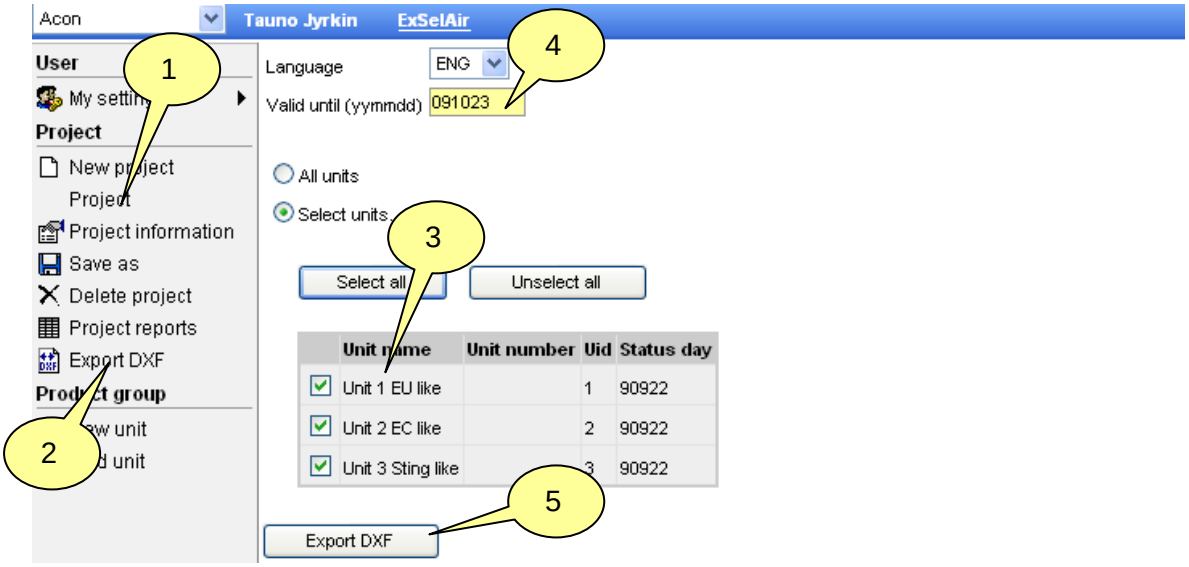
3.5 Project reports

1. Open a project
2. Click ***Project reports*** .
3. Select project report in the list. Choosen report can be exported to Excel.
   - Transport dimensions
   - Heater/cooler data
   - Fan data
   - Filter data
   - Heat exchanger data
   - Motor data
   - Price data (if available)

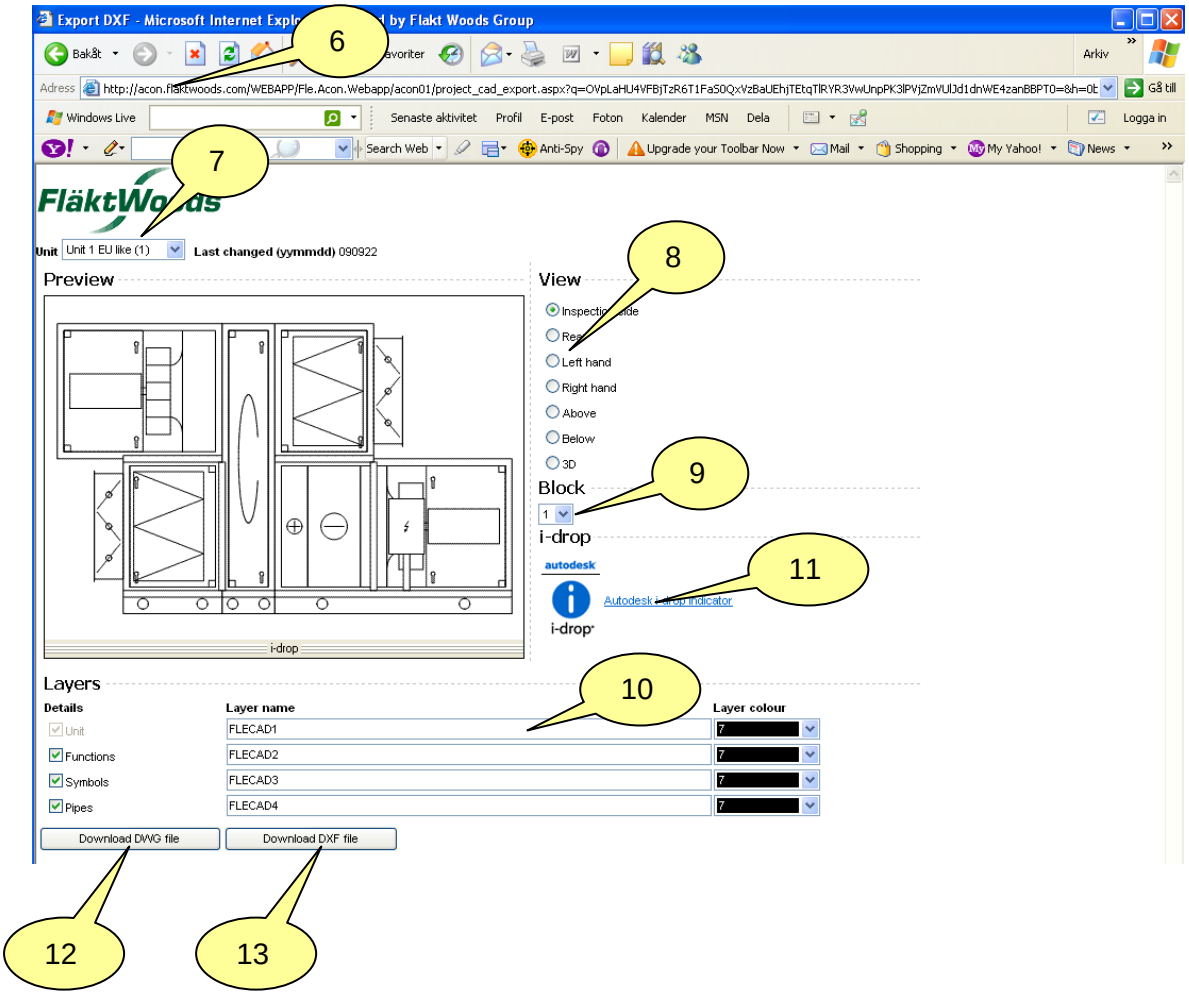


3.5 Export Dxf

1. Open a project.
2. Click ***Export DXF*** in the menu
3. Select units to export
4. Key in ***Valid until*** date.
5. Click ***Export DXF***



6. You can copy and mail the address to a consultant. The page will be available for the consultant until the valid date registered in 4.
7. Select unit
8. Select view
9. Select block when a unit consists of more than 1 block
10 Select Layers
11 Use ***i-drop*** if available in your CAD software
12 ***Download DWG file*** if you have CAD software from Autodesk.
13 ***Download DXF file*** creates a file which can be opened by all CAD software

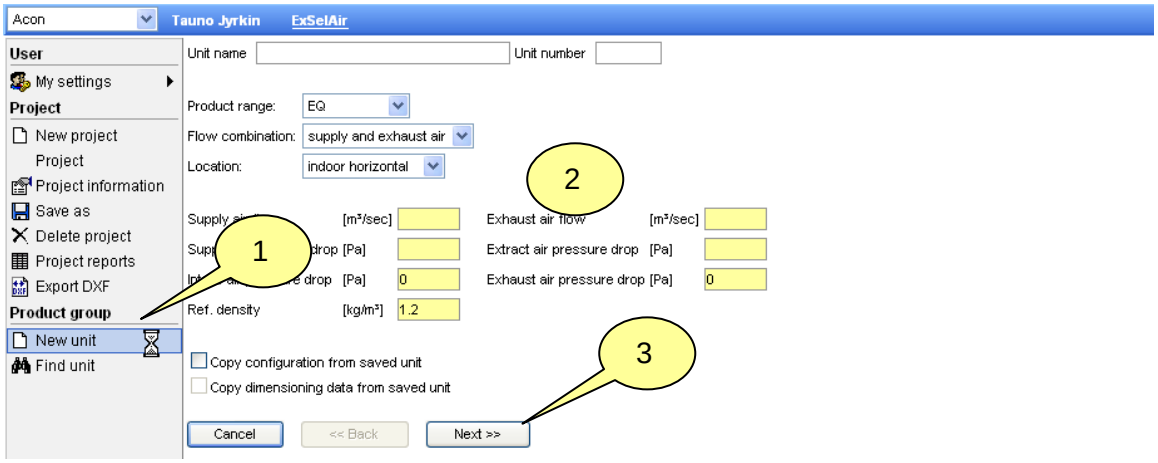


4. Product group

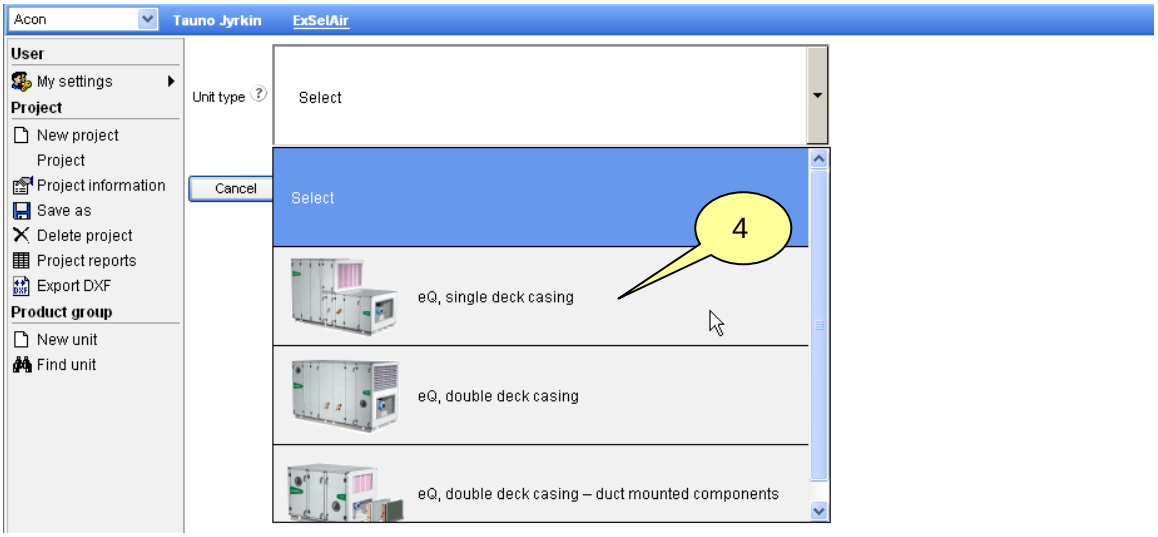
4.1 New unit

4.1.1 Create a new unit by specifying the unit

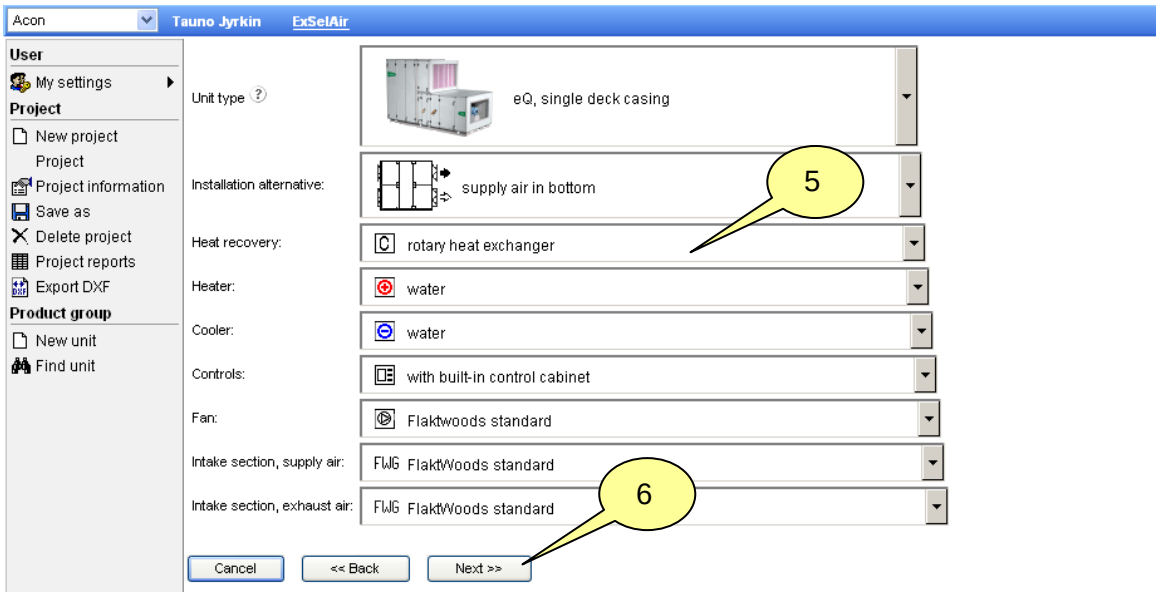
1. Click ***New unit.***
2. Select and key in input data.
3. Click ***Next***.



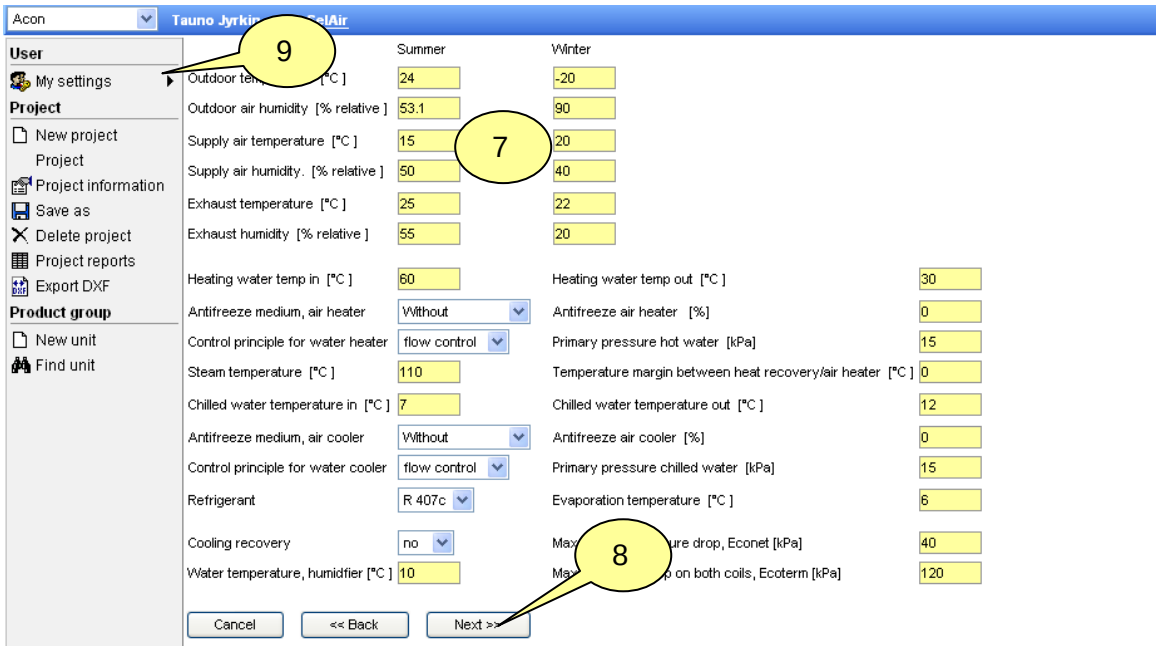
4. Select unit type in the list.



5. Select components.
6. Click ***Next.***

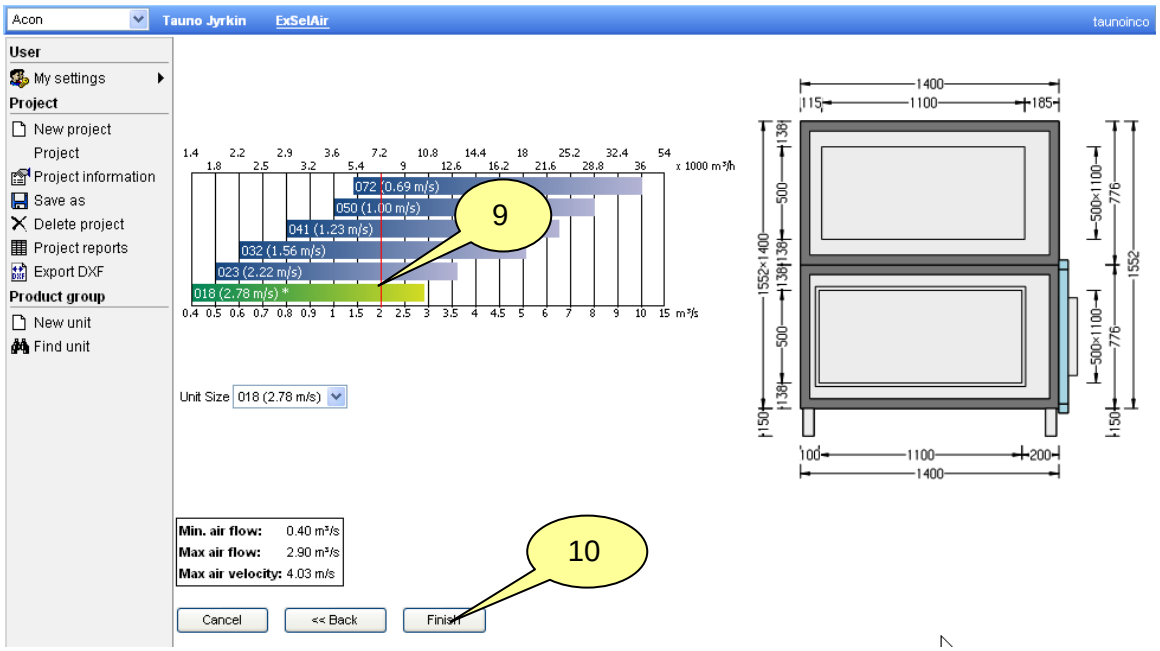


7. Change the dimensioning data, if you wish.
8. Click ***Next***.
9. Did you mark the box *Show dimensioning data* in ***My settings,Dimensioning data*** when you set the defaults for dimensioning data? If you did not mark it, Acon uses the settings automatically and goes directly to page Size.

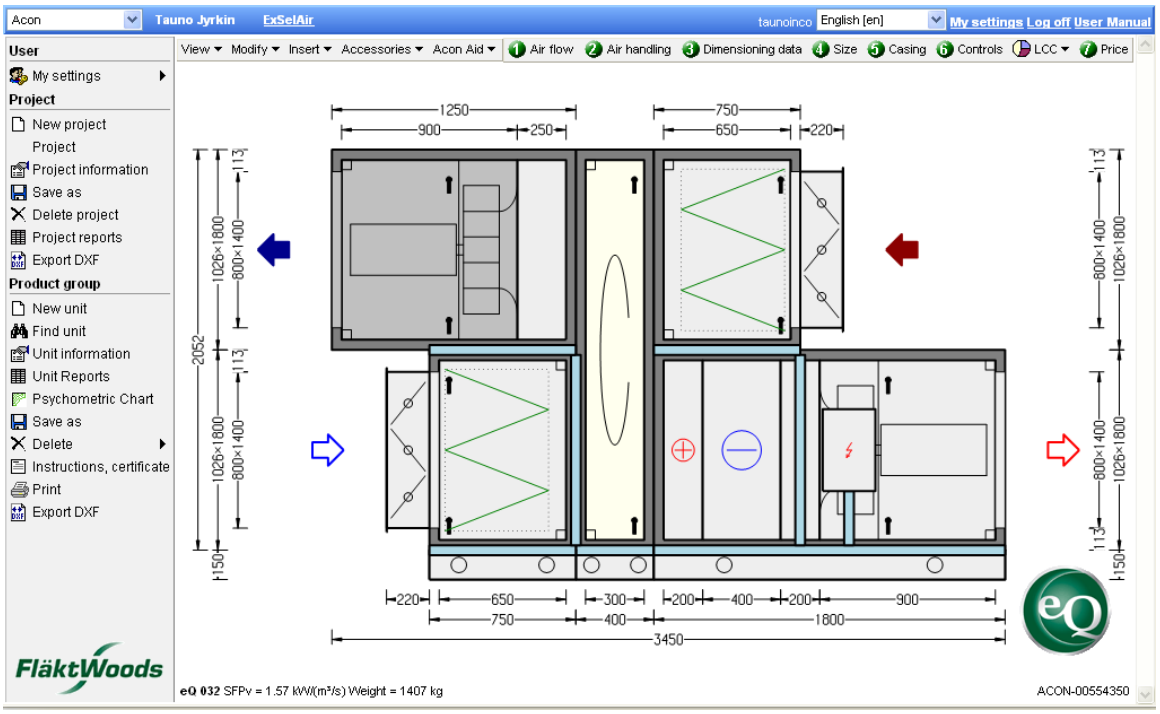


9. Choose size by clicking a bar in the chart.

10. Click ***Finish.***

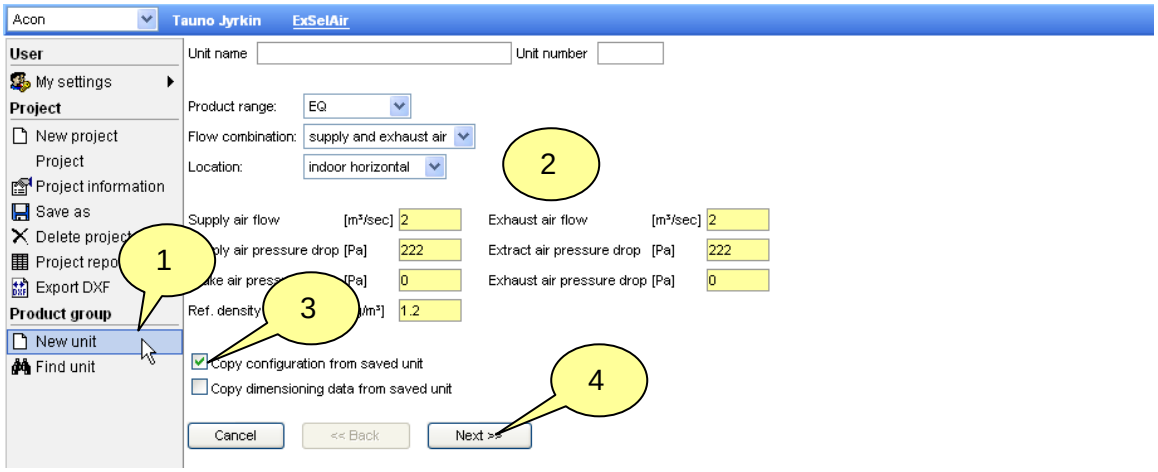


11. A dimensioned unit is suggested by Acon

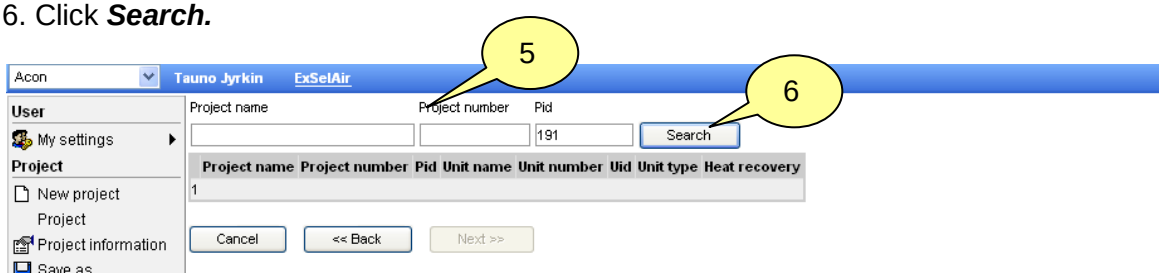


4.1.2 Create a new unit by copying the configuration from a stored unit.

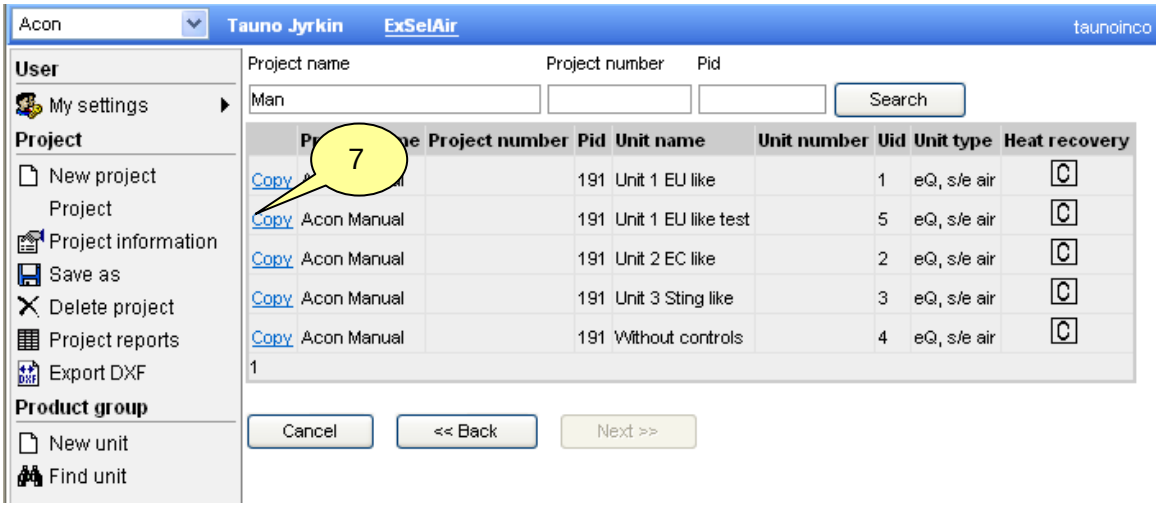
1. Click ***New unit***.
2. Select and key in input data.
3. Mark ***Copy configuration*** from saved unit.
4. Click ***Next***.



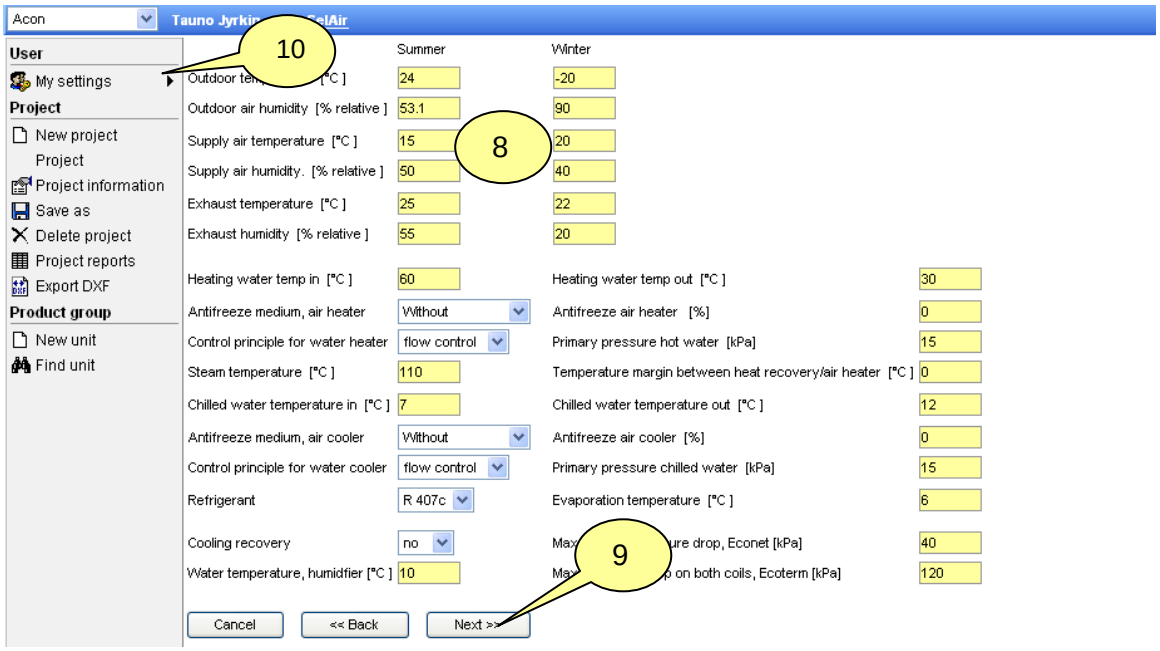
5. Search for the unit you wish to copy by naming the project name, number or ID.
6. Click ***Search.***



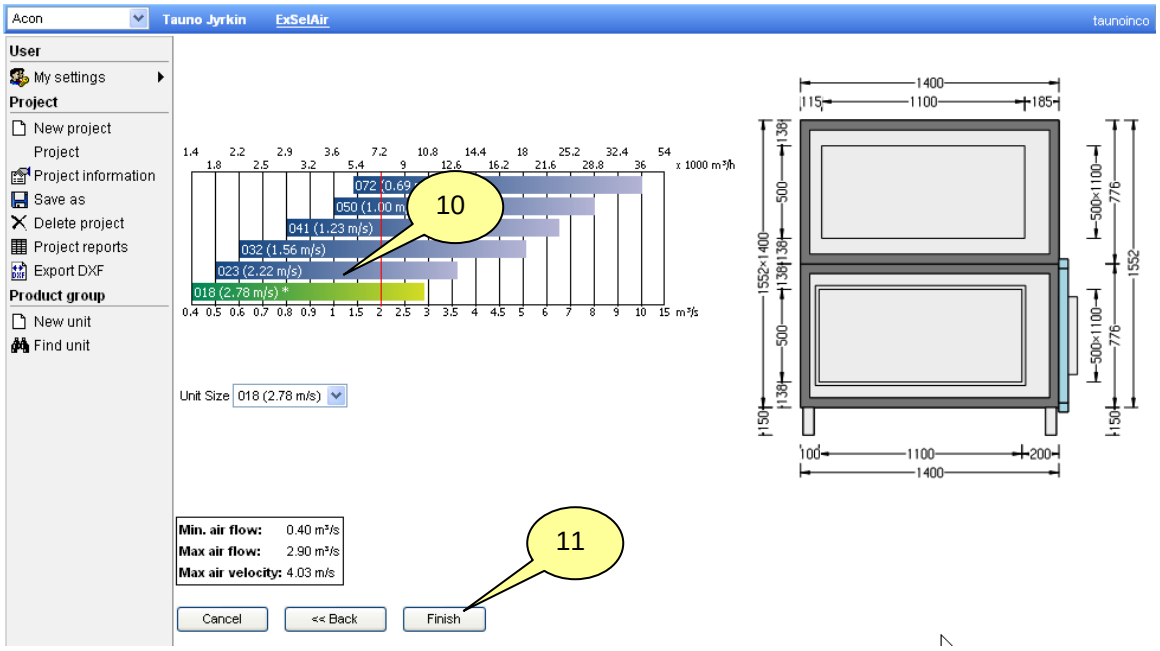
7. Select unit by clicking ***Copy***.



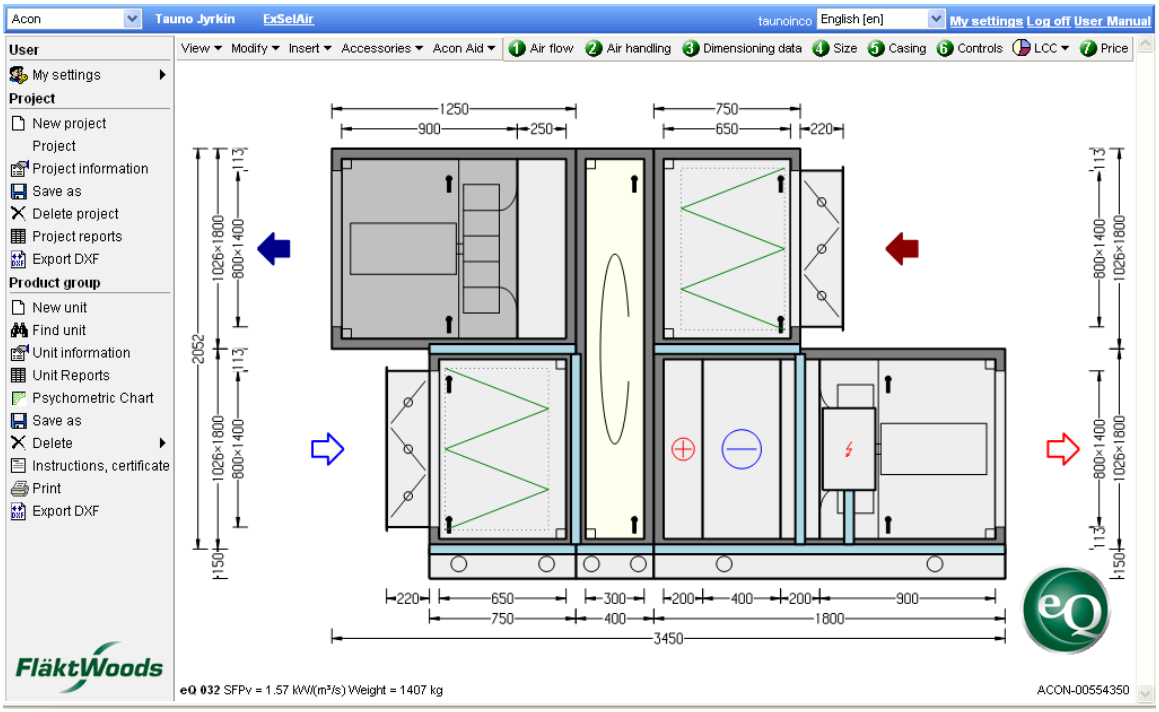
8. Change the dimensioning data, if you wish.
9. Click ***Next***.
10. Did you mark the box *Show dimensioning data* in ***My settings,Dimensioning data*** when you set the defaults for dimensioning data? If you did not mark it, Acon uses the settings automatically and goes directly to page Size.



11. Choose size by clicking a bar in the chart.
12. Click ***Finish.***

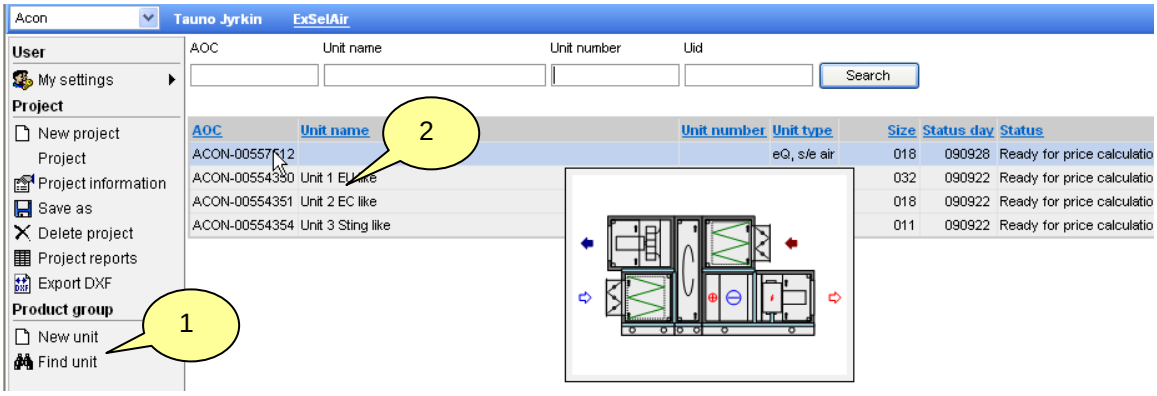


13. A dimensioned unit is suggested by Acon

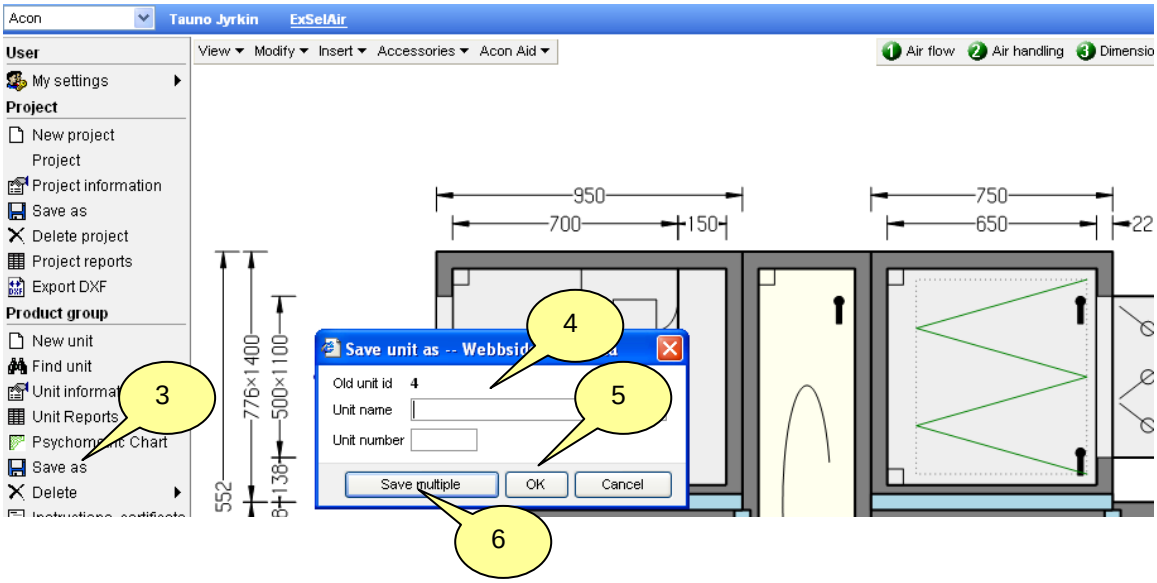

Acon
Tauno Jyrkin
ExSelAir
taunoinco
English [en]
My settings
Log off
User Manual
User
My settings
Project
New project
Project
Project information
Save as
Delete project
Project reports
Export DXF
Product group
New unit
Find unit
Unit information
Unit Reports
Psychometric Chart
Save as
Delete
Instructions, certificate
Print
Export DXF
View
Modify
Insert
Accessories
Acon Aid
1 Air flow
2 Air handling
3 Dimensioning data
4 Size
5 Casing
6 Controls
LCC
7 Price
1250
900
250
750
650
220
2052
1026×1800
800×1400
113
150
220
650
300
200
400
900
750
1800
3450
eQ 032 SFPv = 1.57 kW/(m³/s) Weight = 1407 kg
ACON-00554350

4.1.3 Create a new unit by copying a stored unit

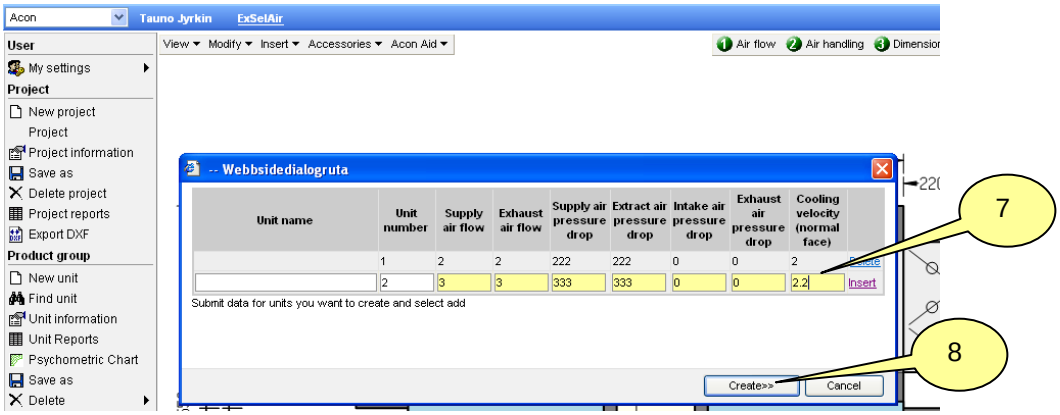
1. Open a project and click ***Find Unit***.
2. Open the unit you wish to copy. Click a row.



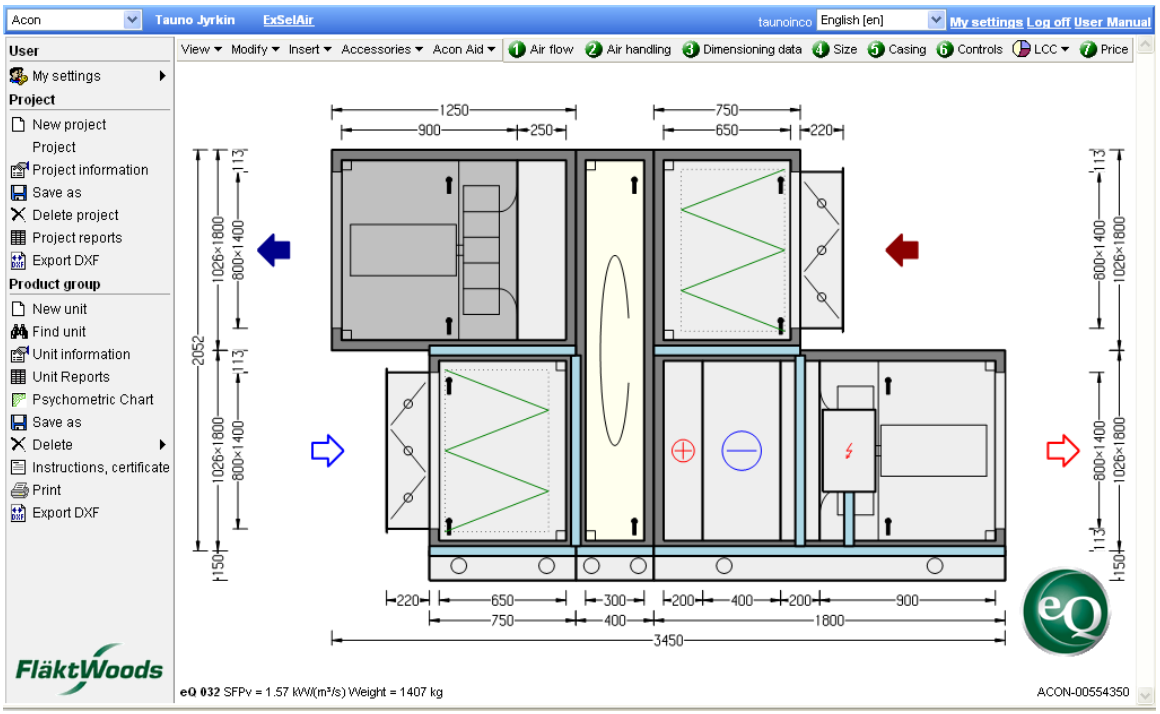
3. Click ***Save as*** in the menu***.***
4. Key in the new unit name and number.
5. Click ***Ok***



6. Choose ***Save multiple*** in order to save several units at the same time.
7. Key in data and click ***Insert***
8. Click ***Create>>***

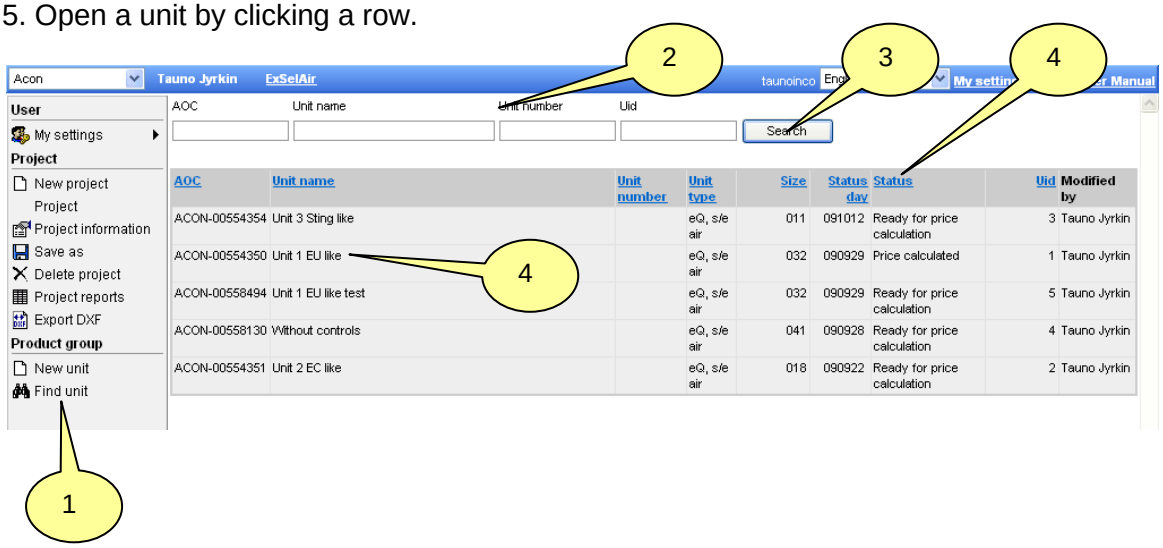


9. A dimensioned unit is suggested by Acon



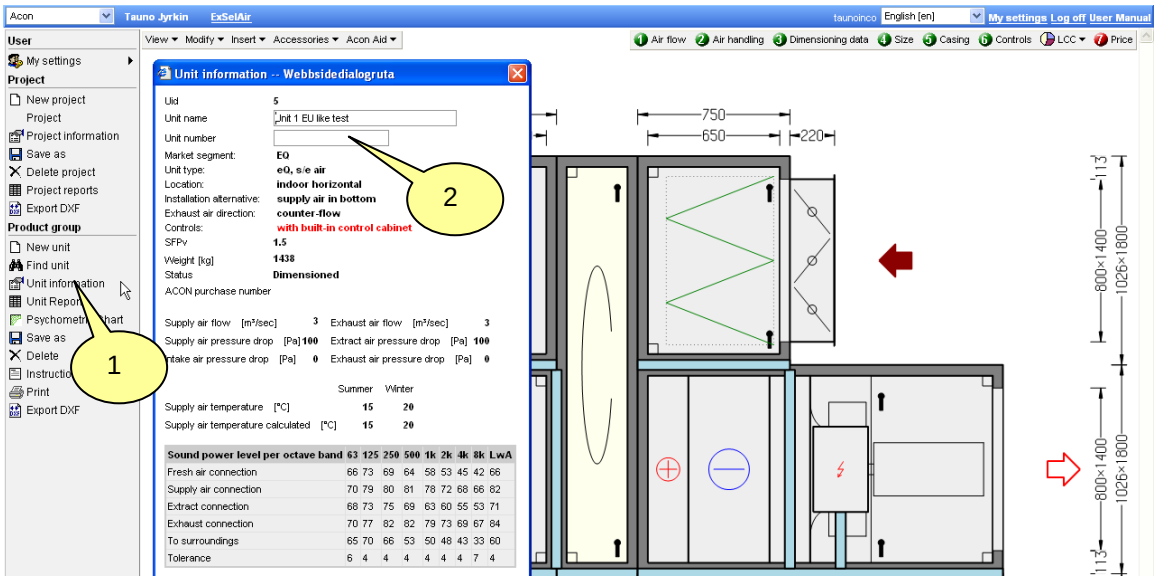
4.2 Find unit

1. Click Find unit.
2. Narrow your search further by keying in
   AOC (Acon Ordering Code)
   Unit name
   Unit number and/or
   Unit ID.
3. Click ***Search.***
4. You can sort the projects according to the headings by clicking them.
5. Open a unit by clicking a row.



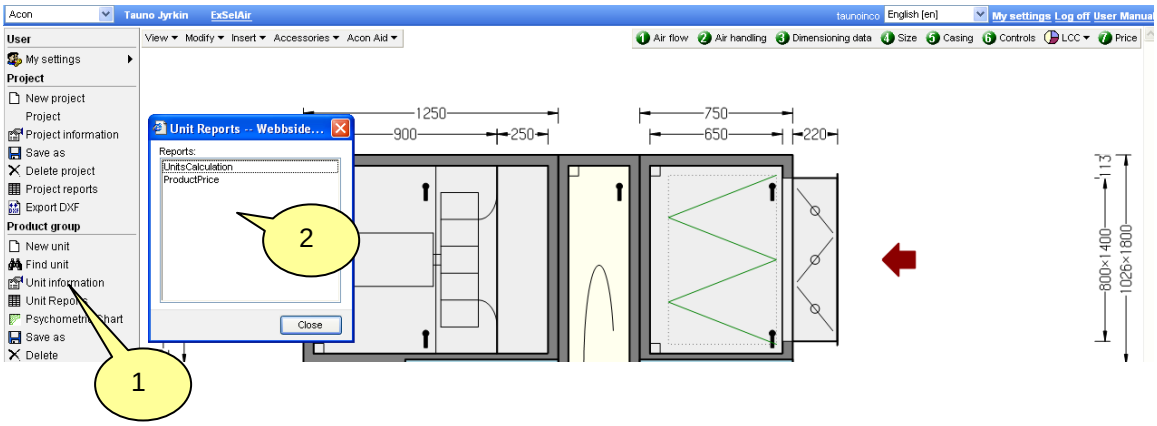
4.3 Unit information

1. Click ***Unit information***, contains sound and input data
2. You can Change Unit name and Unit number. Return to unit picture by click ***OK***



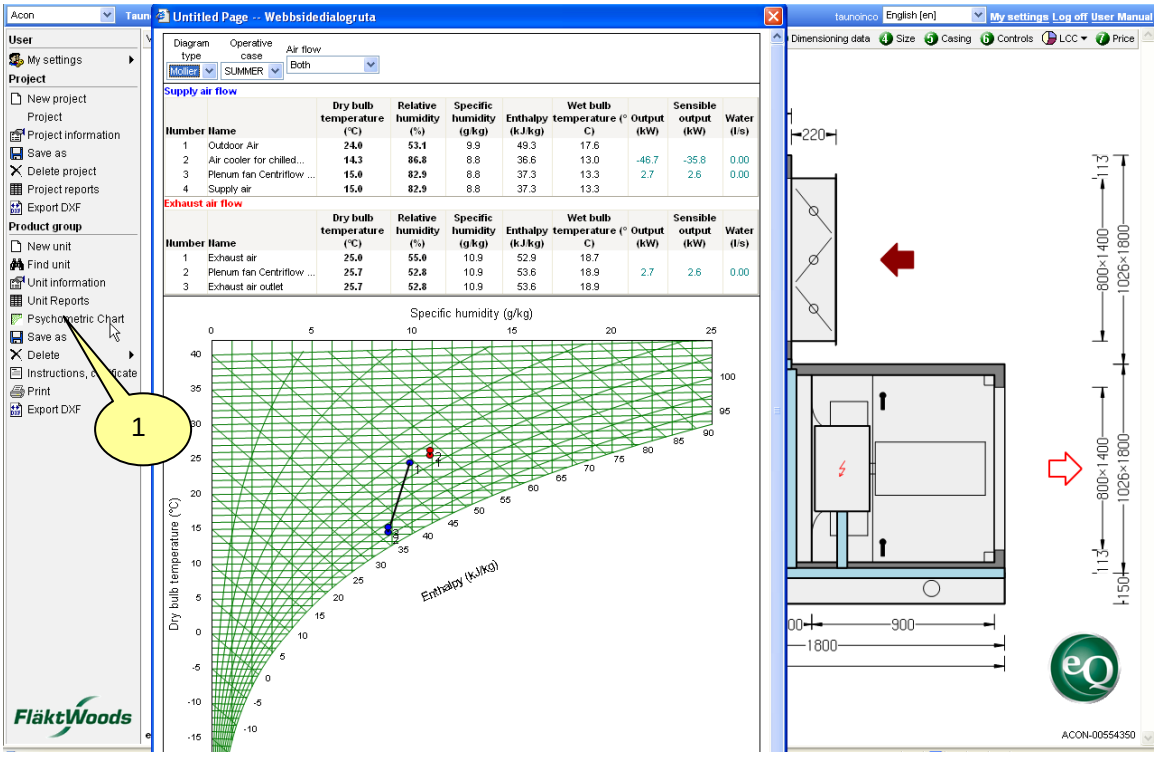
4.4 Unit reports

1. Click ***Unit reports***
2. Two reports are available. Can be exported to Excel.
    - Unit performance date
    - Product codes and price (if available)



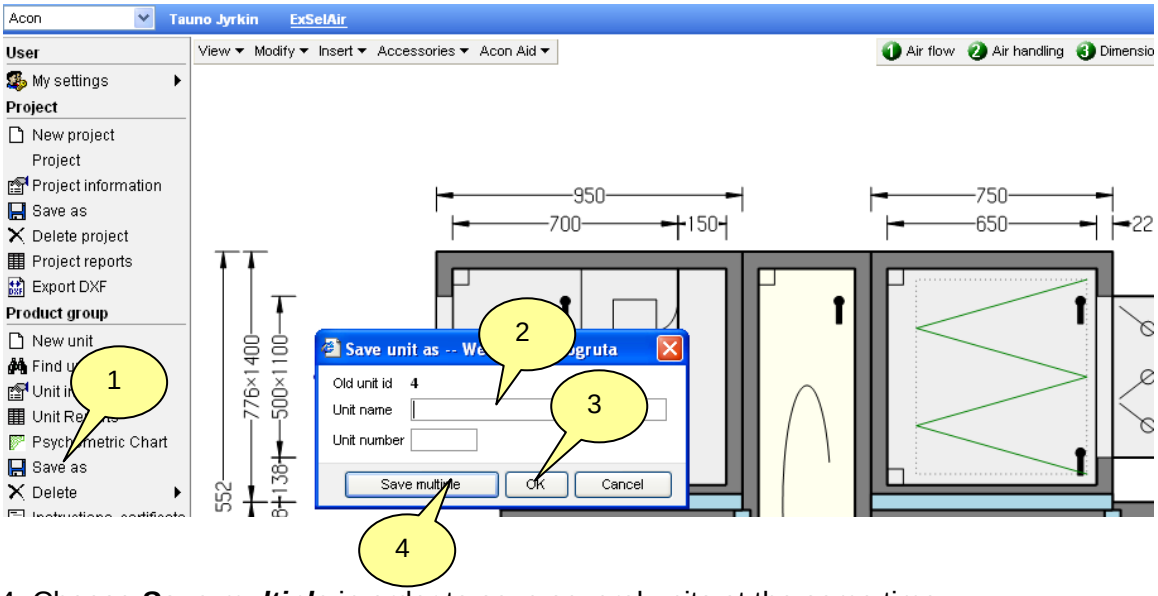
4.5. Psycometric chart

1. Click ***Psychometric chart***

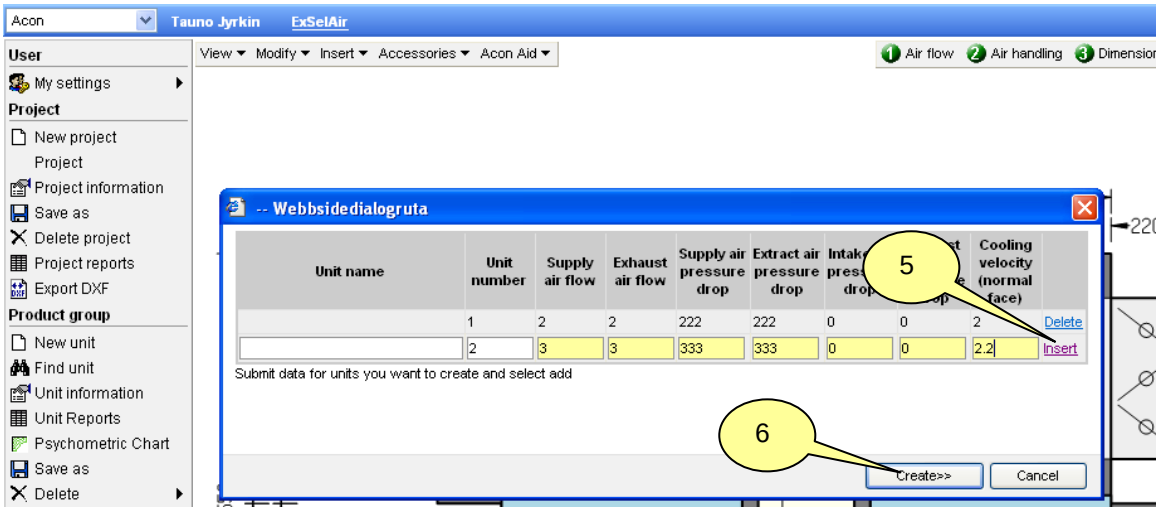


4.6. Save as

1. Click ***Save as*** in the menu if you want to create a copy of the unit.
2. Key in the new unit name and number.
3. Click ***Ok***

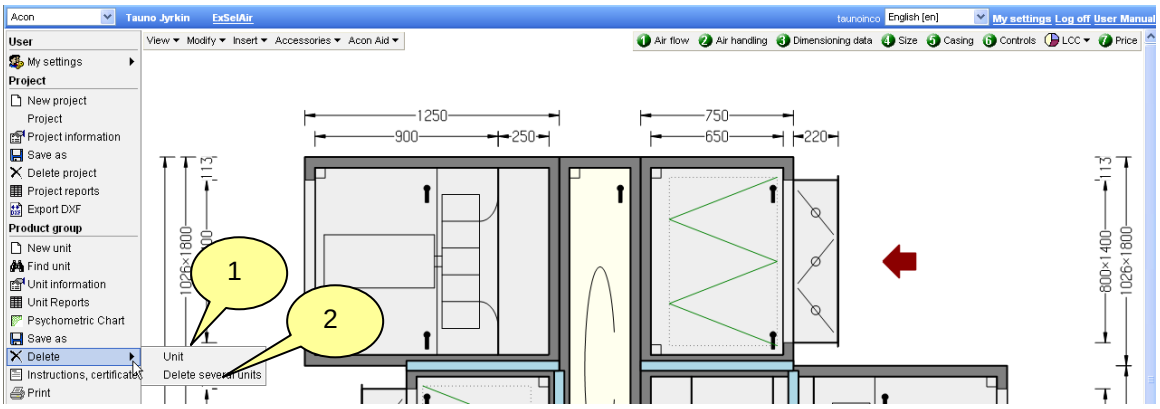


4. Choose ***Save multiple*** in order to save several units at the same time.
5. Key in data and click ***Insert***
6. Click ***Create>>***



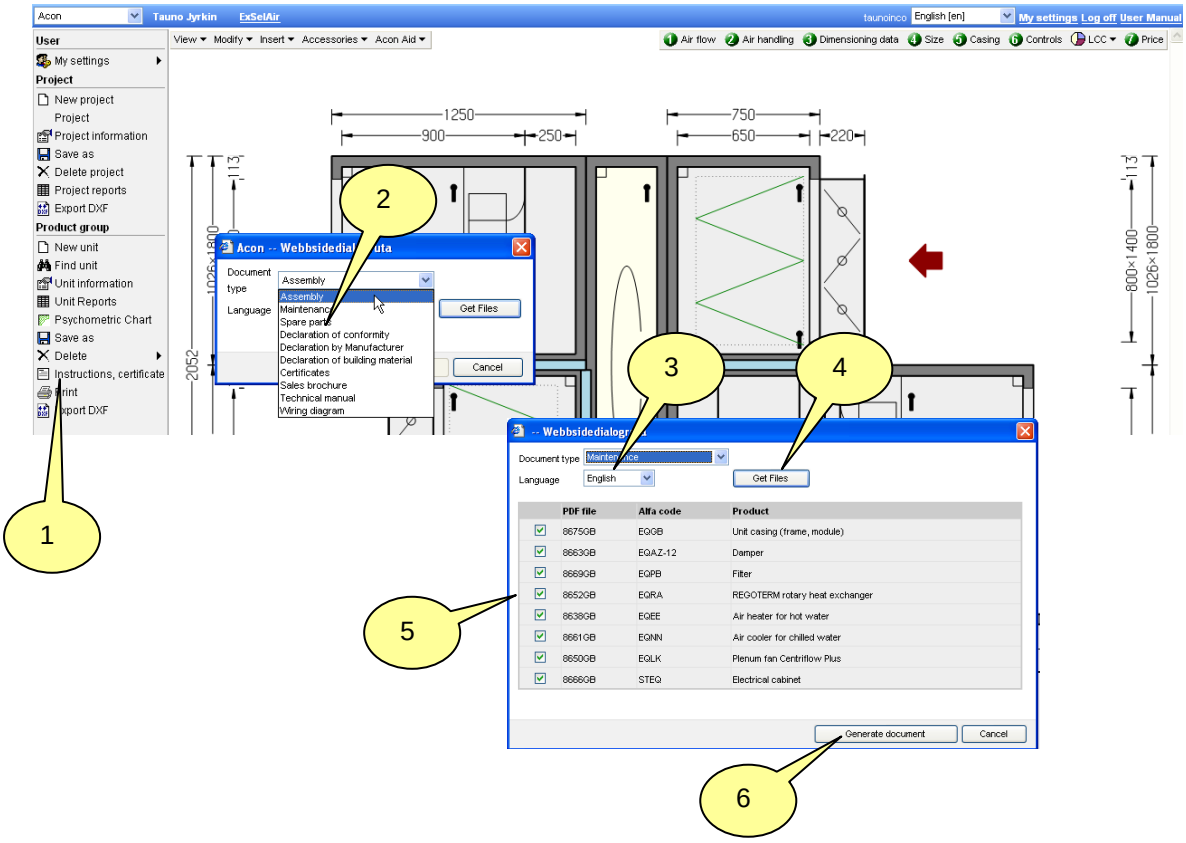
4.7. Delete

1. Click ***Delete, Unit*** if you want to delete the unit in the page.
2. Click ***Delete several units*** and mark units in the project you want to delete..



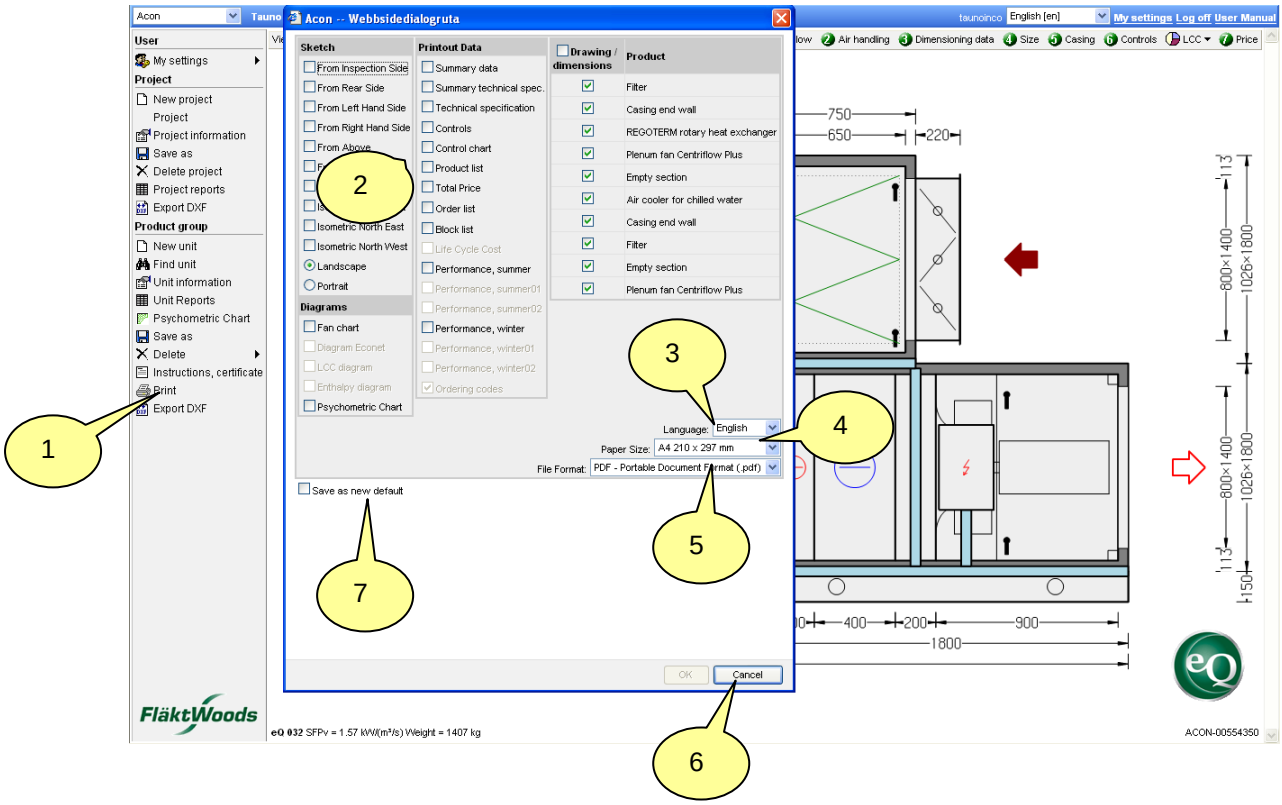
4.8 Instructions, certificate

1. Click ***Instructions, certificate***
2. Select Document type
3. Select Language
4. Click ***Get files***
5. Mark documents to print out
6. Click ***Generate document***



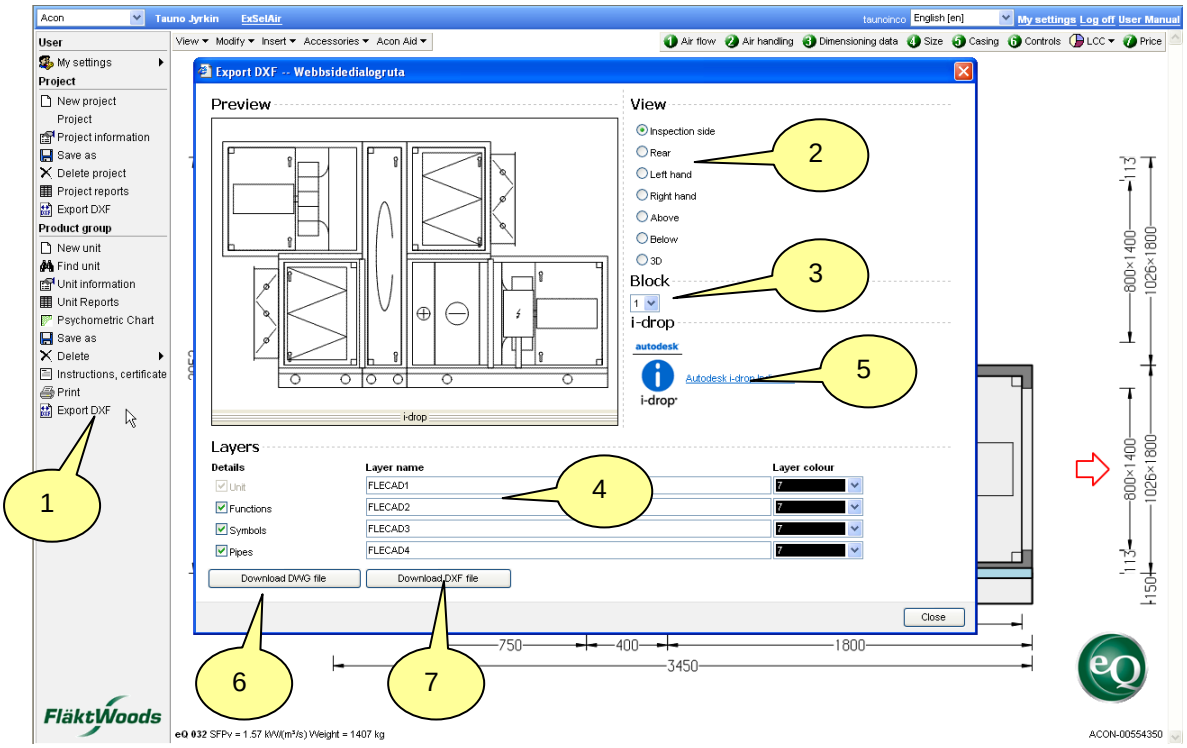
4.9 Print

1. Click ***Print***
2. Select documents to print out.
3. Select Language.
4. Select Paper size.
5. Select File format.
6. Click ***Ok***
7. Mark ***Save as new default*** in order to save your selections.



4.10 Export Dxf

1. Click ***Export Dxf***
2. Select view
3. Select block when a unit consists of more than 1 block
4. Select Layers
5. Use ***i-drop*** if available in your CAD software
6. ***Download DWG file*** if you have CAD software from Autodesk.
7. ***Download DXF file*** creates a file which can be opened by all CAD software

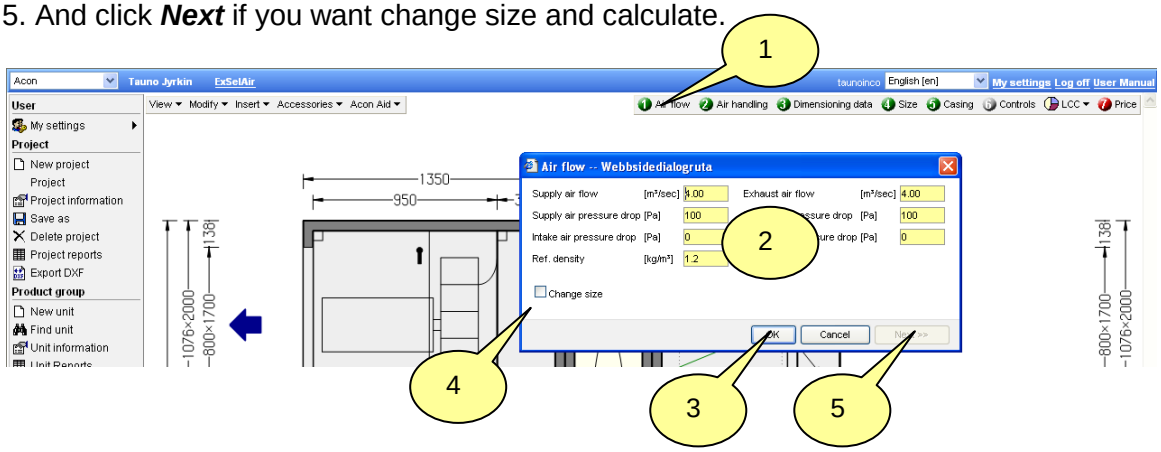


5. Modify suggested configuration, right top menu bar

5.1 Change air flow

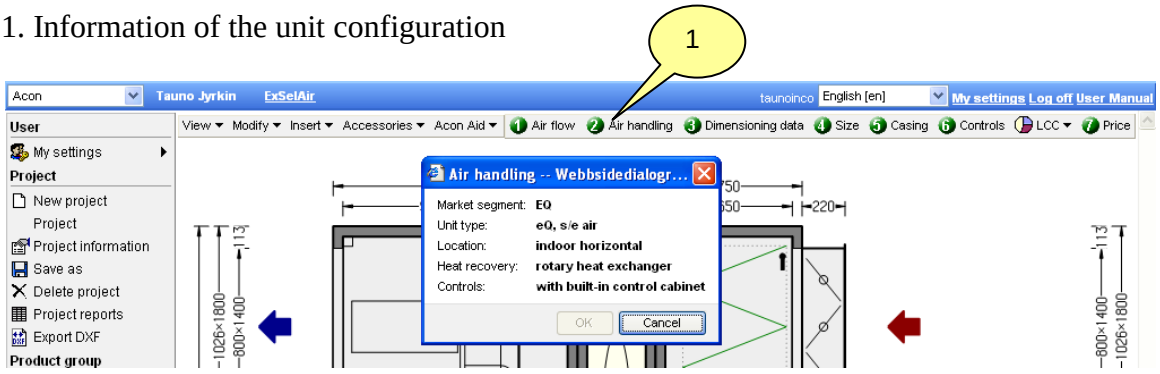
1. Click ***1 Air flow***.
2. Key in your changes
3. Click ***Ok*** if you want to calculate with new data.

4. Mark ***Change size***
5. And click ***Next*** if you want change size and calculate.



5.2 Air handling

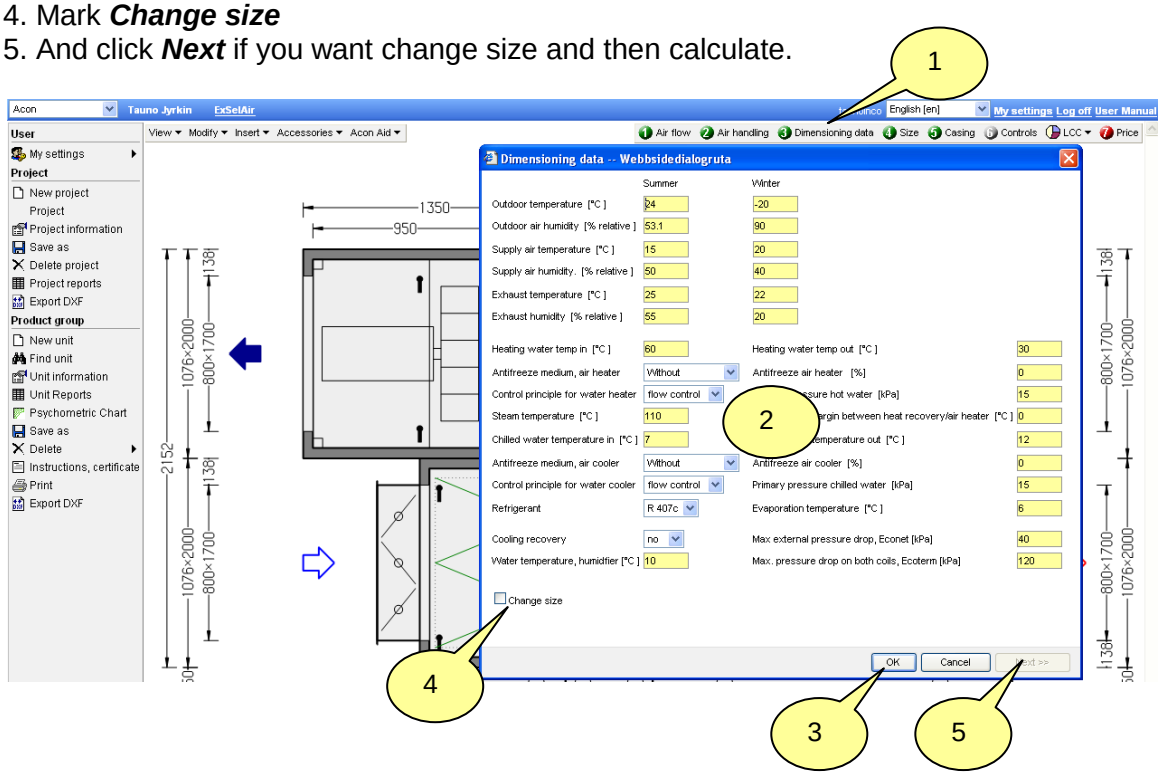
1. Information of the unit configuration



5.3 Change dimensioning data

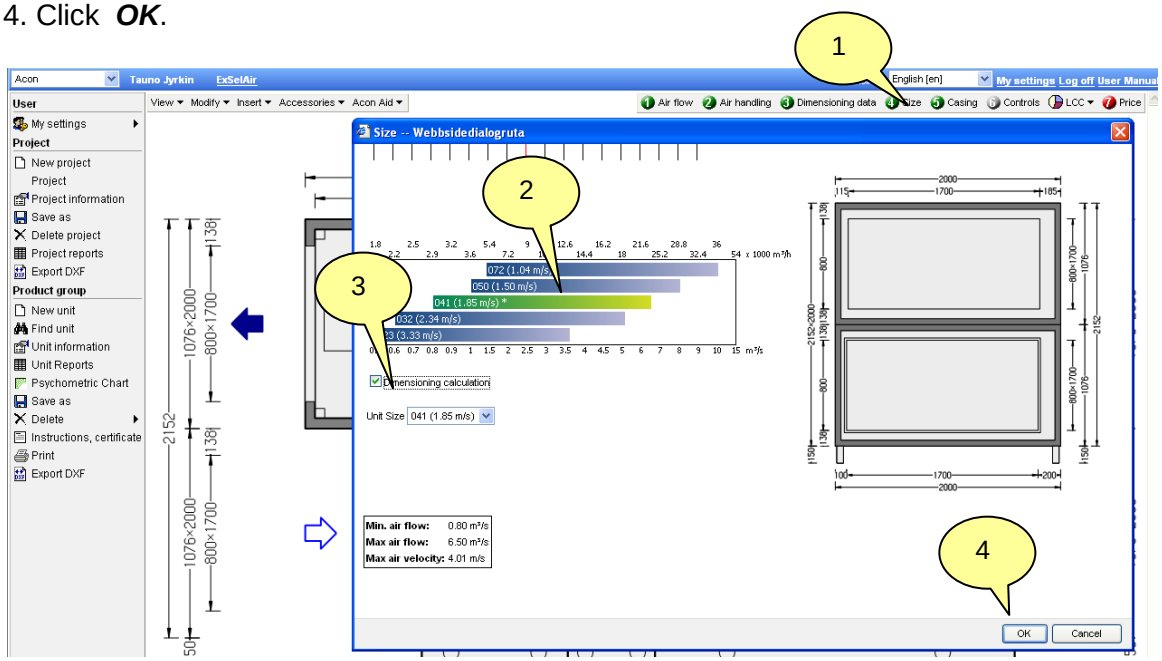
1. Click ***3 Dimensioning data***.
2. Key in your changes.
3. Click ***Ok*** if you want to calculate with new data.

4. Mark ***Change size***
5. And click ***Next*** if you want change size and then calculate.



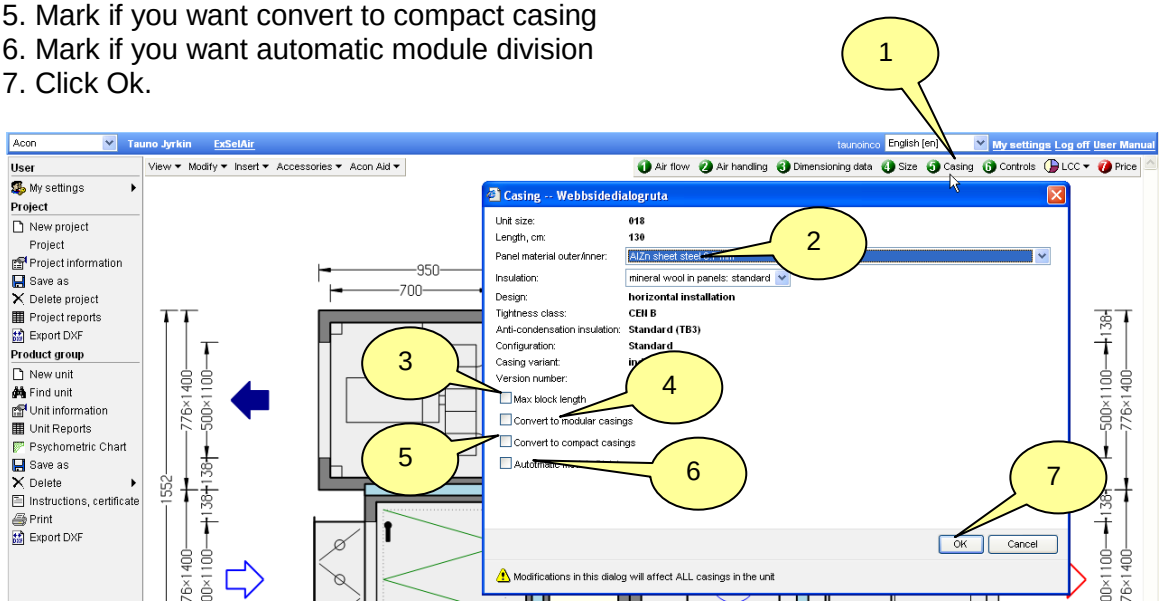
5.4 Change unit size

1. Click ***4 Size***.
2. Choose size by clicking a bar in the chart..
3. Mark ***Dimensioning calculation*** if you want the unit redimensioned.
4. Click ***OK***.



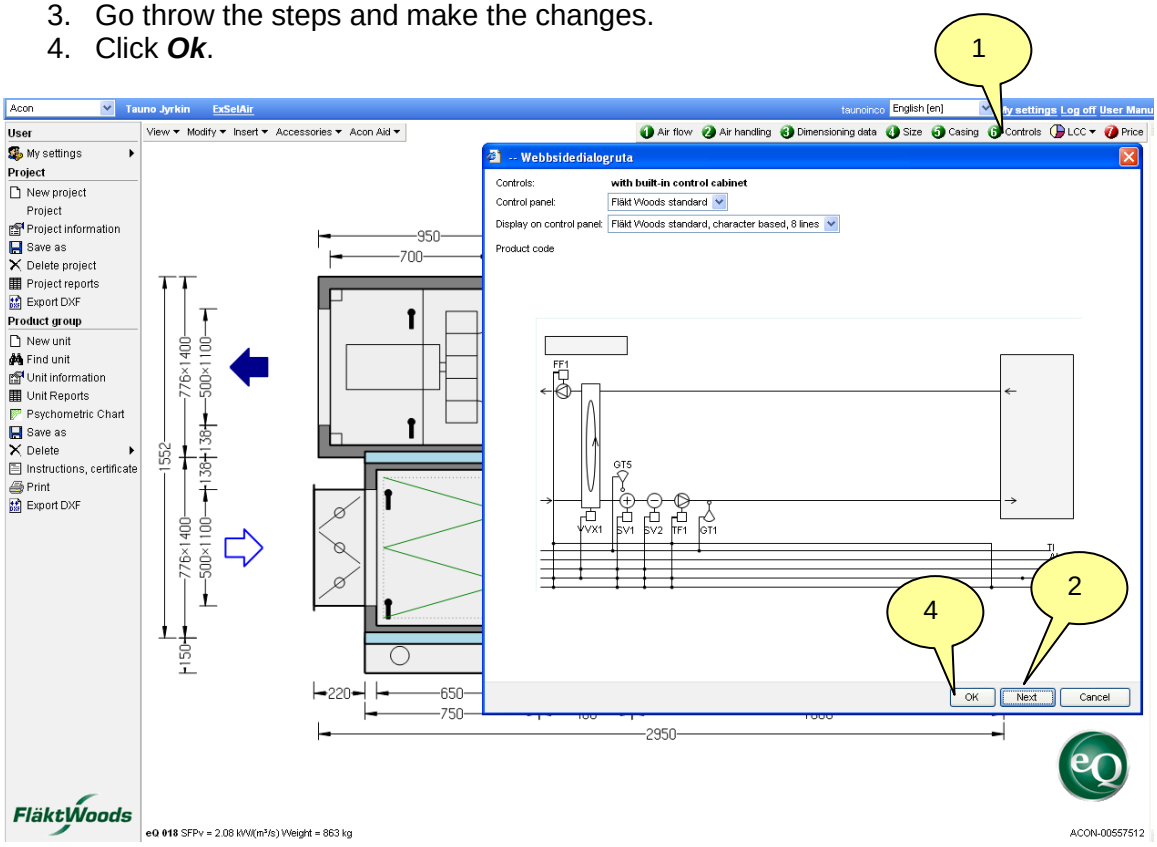
5.5 Change the casing

1. Click 5 Casing.
2. Choose panel material and insulation.
3. Mark if you want set max block length
4. Mark if you want convert to modular casing
5. Mark if you want convert to compact casing
6. Mark if you want automatic module division
7. Click Ok.



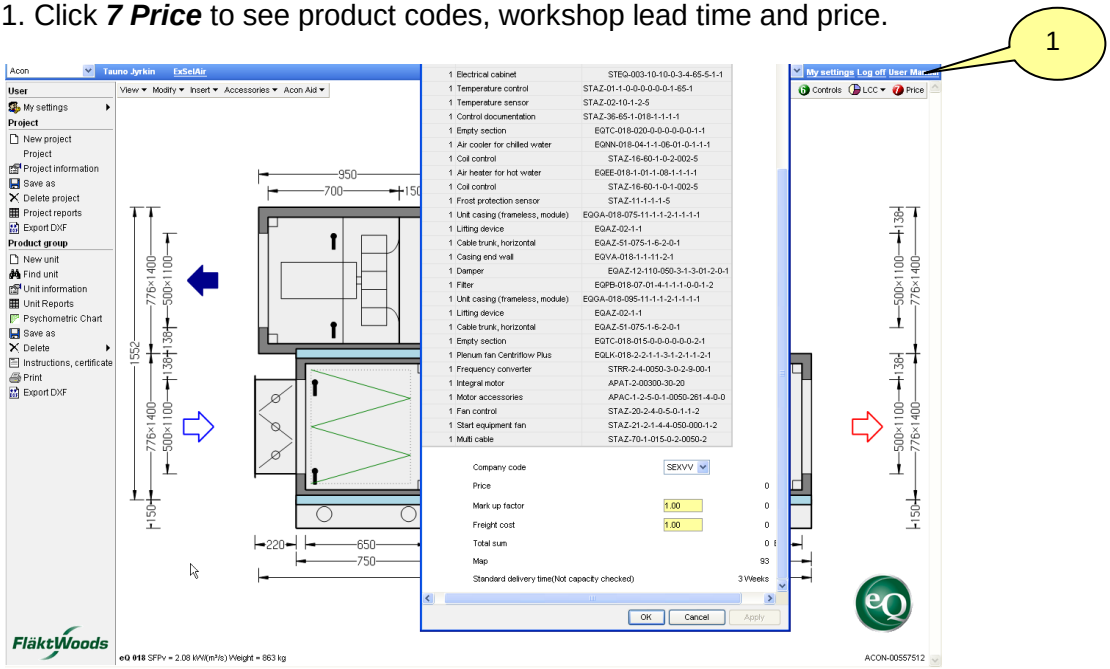
5.6 Change controls (factory default)

1. Click ***6 Controls***.
2. Click ***Next***.
3. Go throw the steps and make the changes.
4. Click ***Ok***.



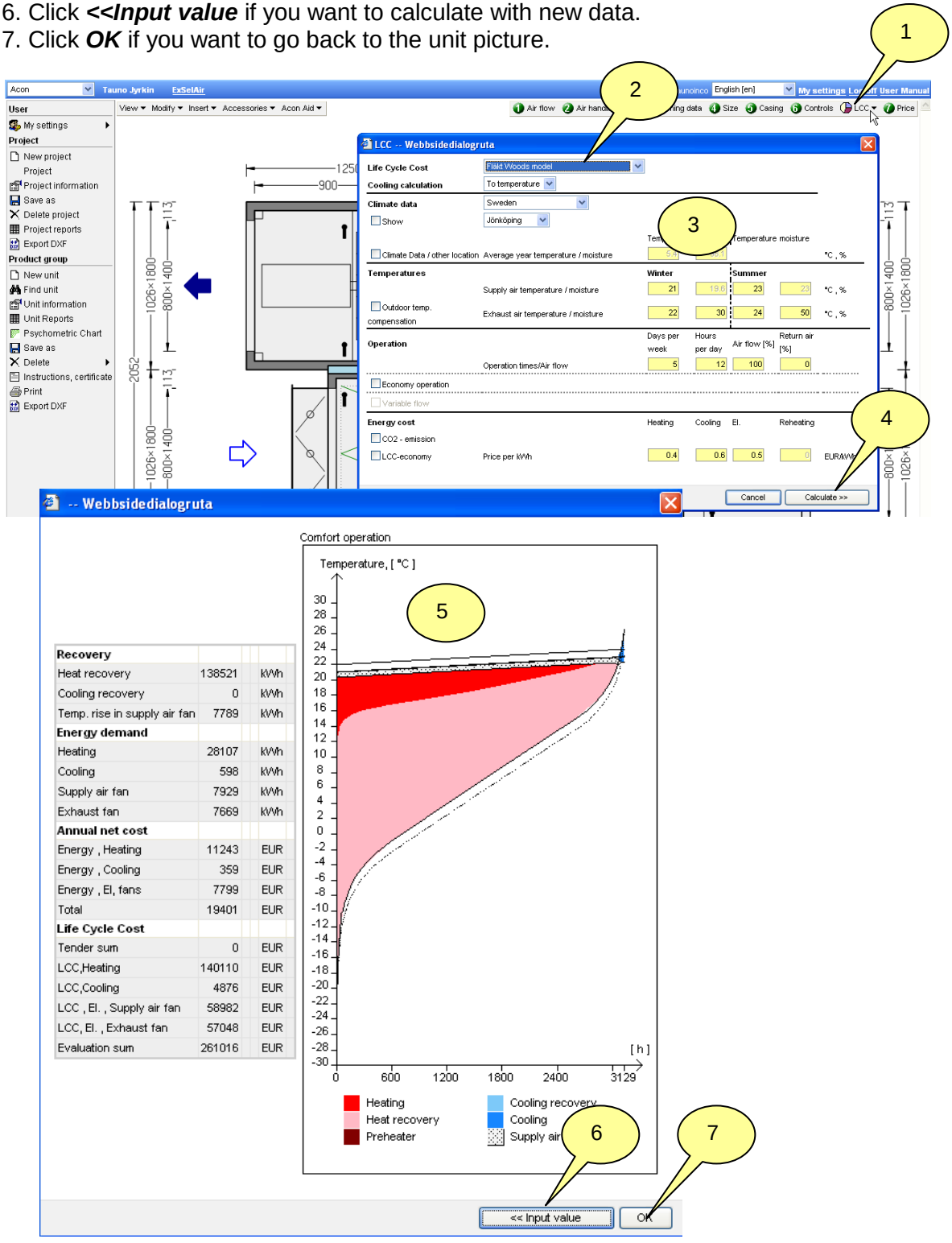
5.7 Product codes, workshop lead time and price

1. Click ***7 Price*** to see product codes, workshop lead time and price.



5.8 Calculate Life Cycle Cost

1. Click ***LCC***.
2. Select calculation model *Flakt Woods model* or *Simplified Swedish model.*
3. Key in and select input data.
4. Click ***Calculate***
5. Result is shown.
6. Click ***<<Input value*** if you want to calculate with new data.
7. Click ***OK*** if you want to go back to the unit picture.

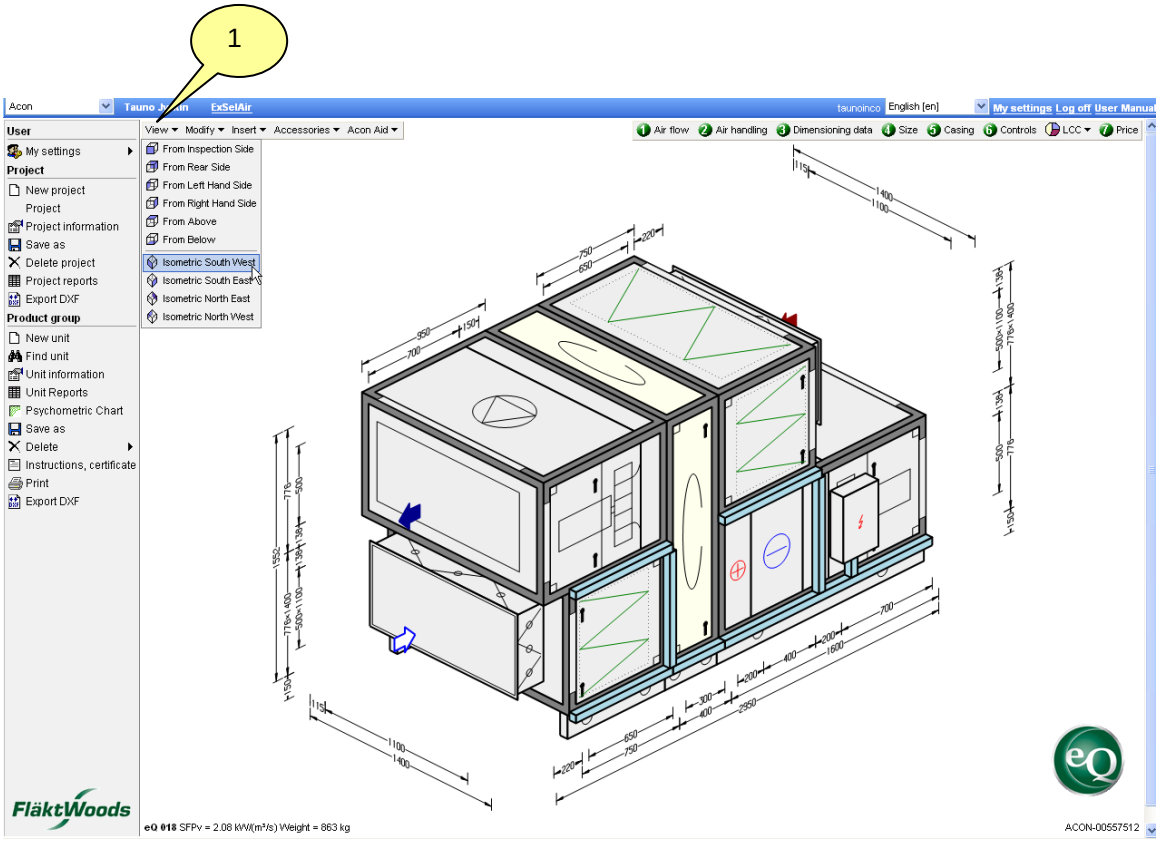


Recovery		
Heat recovery	138521	kWh
Cooling recovery	0	kWh
Temp. rise in supply air fan	7789	kWh
Energy demand		
Heating	28107	kWh
Cooling	598	kWh
Supply air fan	7929	kWh
Exhaust fan	7669	kWh
Annual net cost		
Energy , Heating	11243	EUR
Energy , Cooling	359	EUR
Energy , El, fans	7799	EUR
Total	19401	EUR
Life Cycle Cost		
Tender sum	0	EUR
LCC,Heating	140110	EUR
LCC,Cooling	4876	EUR
LCC , El. , Supply air fan	58982	EUR
LCC, El. , Exhaust fan	57048	EUR
Evaluation sum	261016	EUR

6. Modify the configuration, left top menu bar

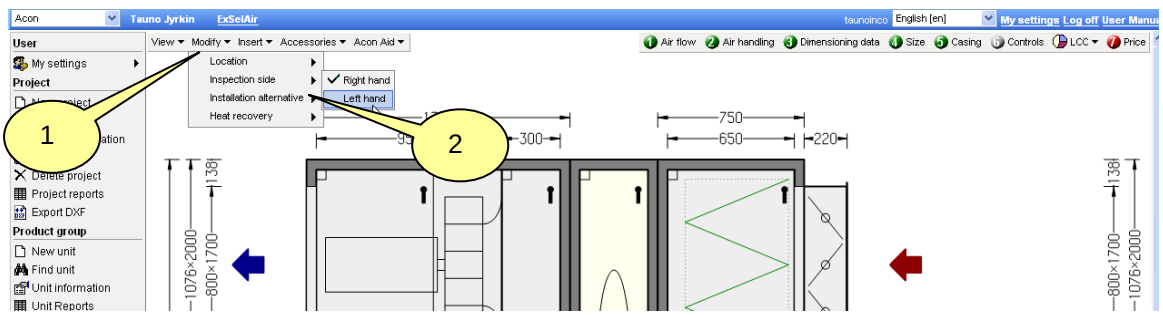
6.1 View the unit from various views

1. Click ***View*** and choose point-of-view.



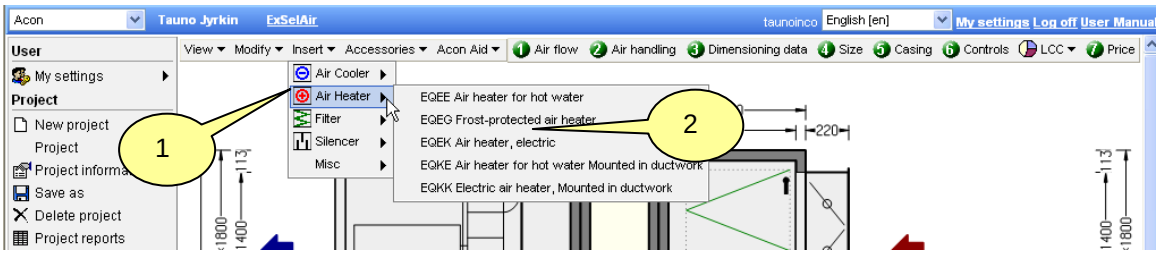
6.2 Modify the unit

1. Click ***Modify***.
2. You can modify to
    - Indoor or outdoor
    - Inspection side right or left
    - Supply air in bottom or top
    - Type of heat recovery
    - With or without controls

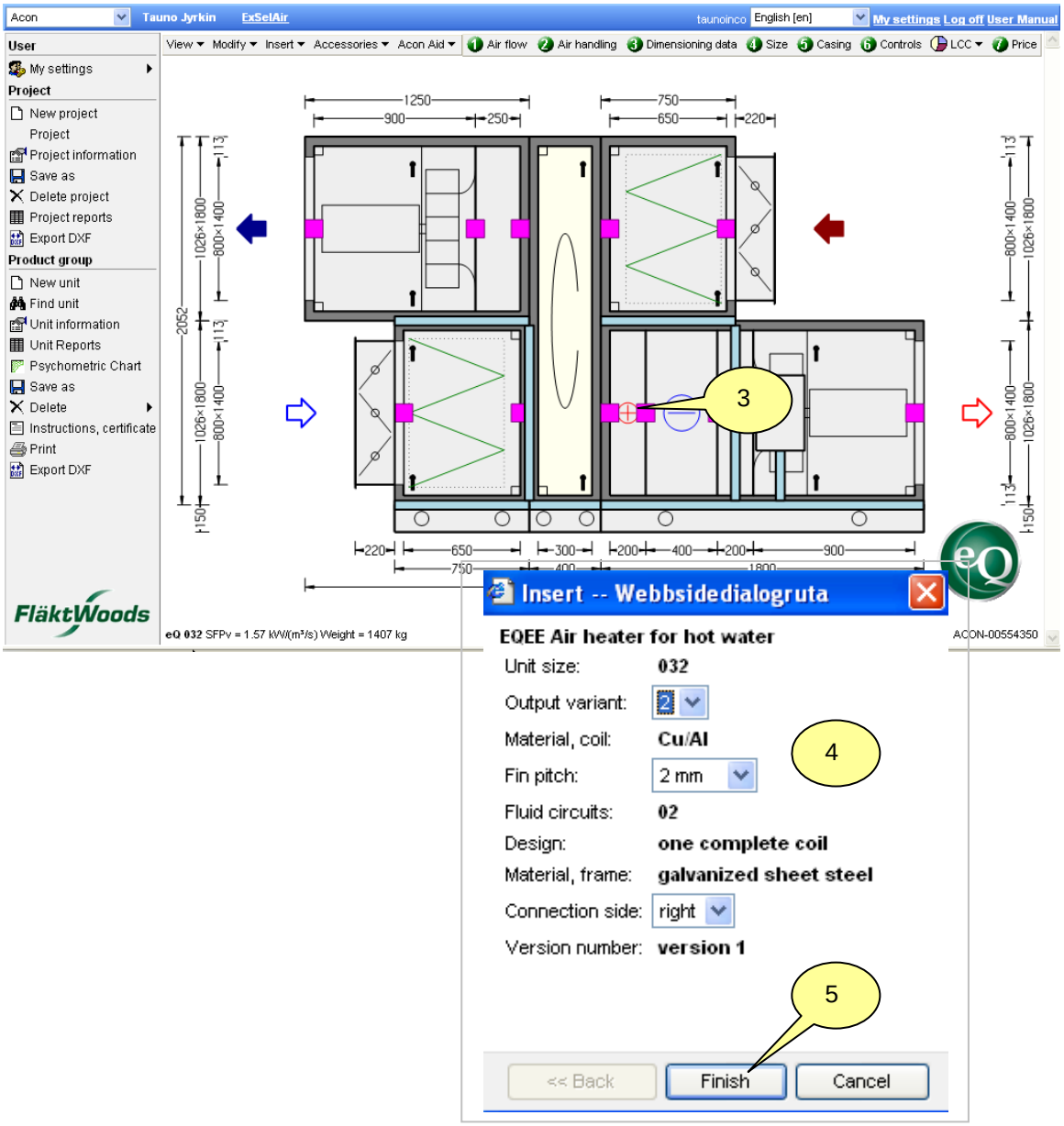


6.3. Insert a component

1. Click insert in the menu.
2. Click a component to insert.



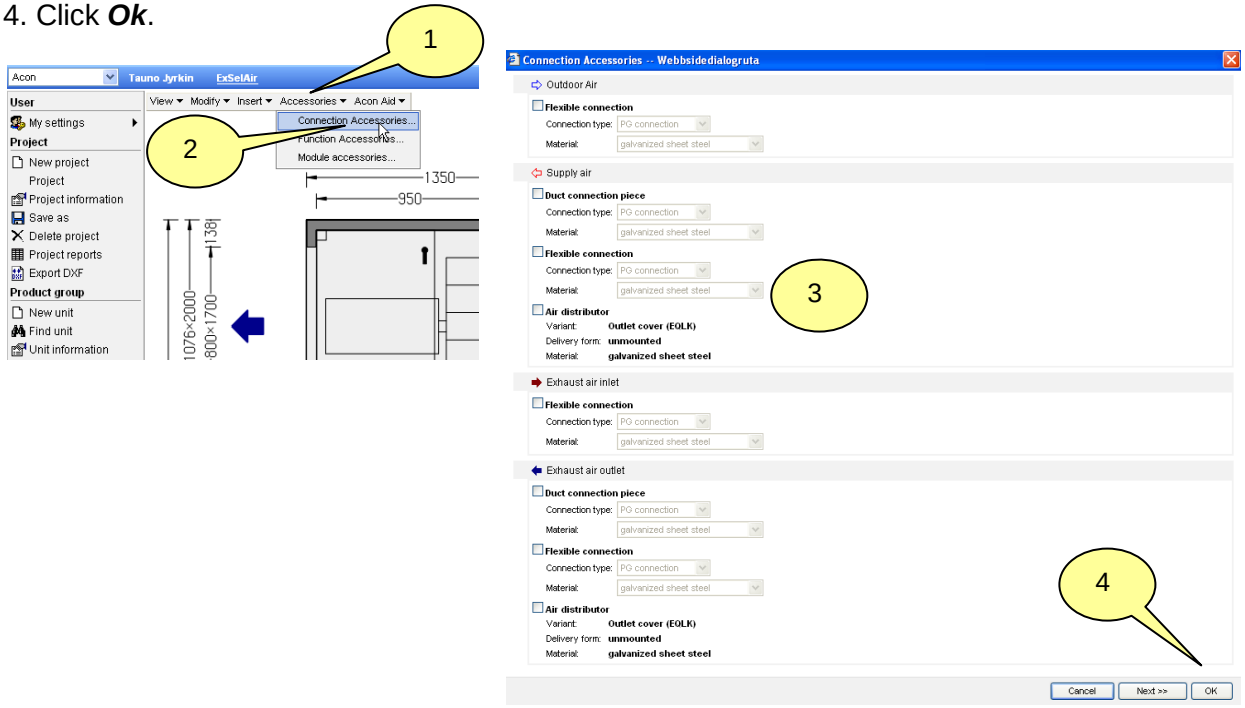
3. Click position where the component is to be inserted.
4. Select component properties.
5. Click finish



6.4. Choose / change accessories

You can select all accessories for the unit in this menu.

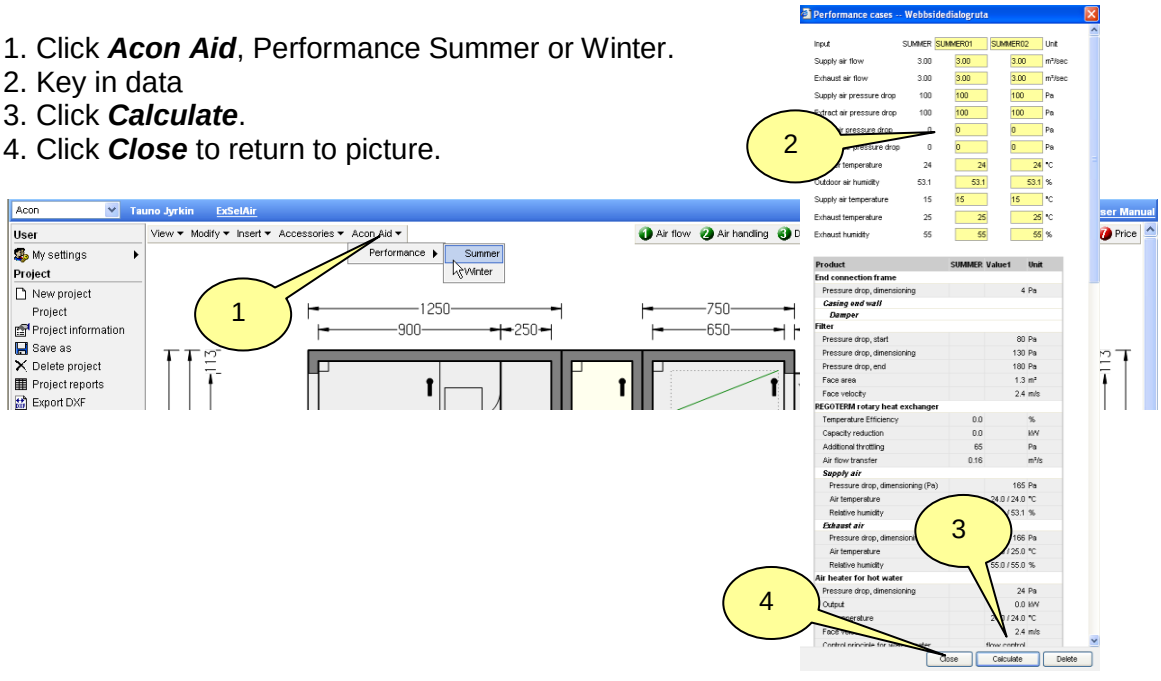
1. Click ***Accessories*** in the menu.
2. Select type of accessories, connection, function or module
3. Mark the accessories you wish to add.
4. Click ***Ok***.



6.4 Calculate unit performance

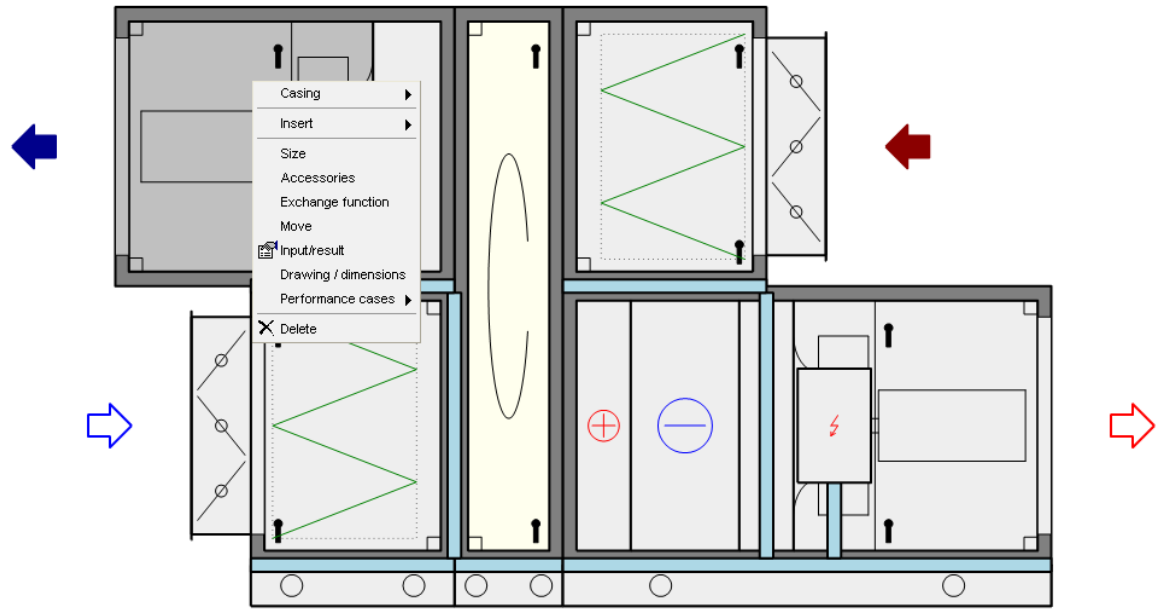
Acon provides the facility to make up to two additional performance calculations on the selected unit. No component is changed but performance input data such as airflow, pressure and temperatures can be altered in order to be able to see performance at part load for example.

1. Click ***Acon Aid***, Performance Summer or Winter.
2. Key in data
3. Click ***Calculate***.
4. Click ***Close*** to return to picture.



7. Functions when you click the picture

By clicking a component you can view result, change, add or delete components.



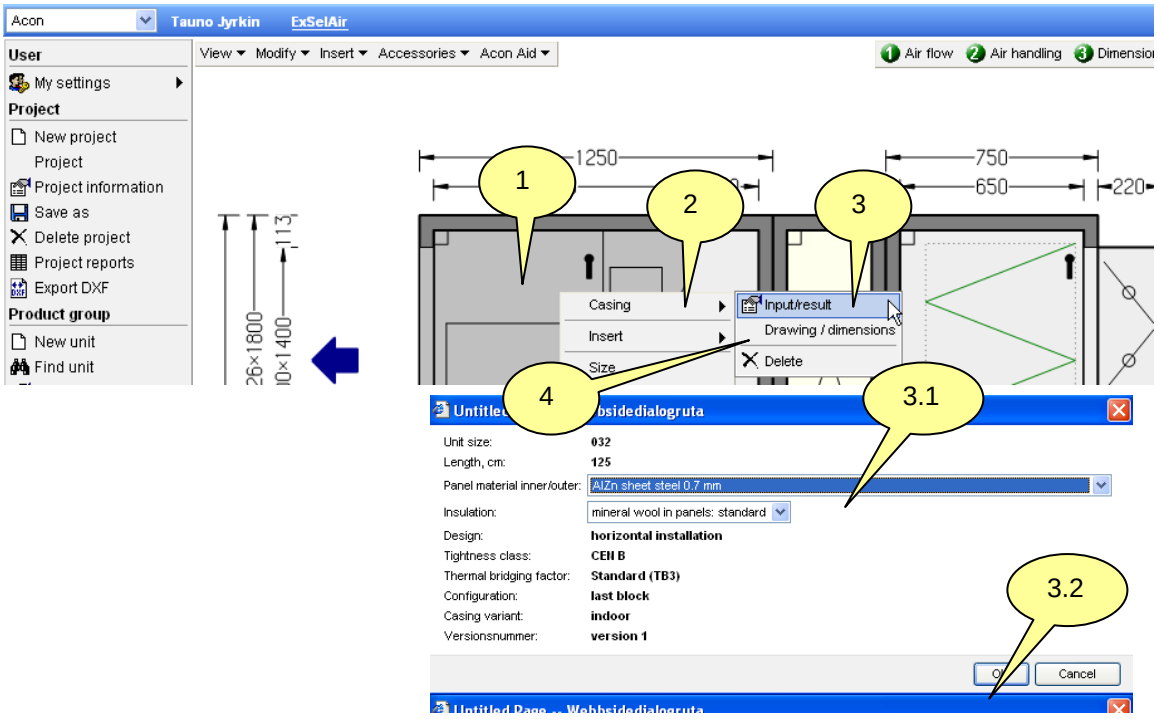
7.1 Change clicked components casing

1. Click a component
2. Click ***Casing***
3. Click ***Input/result***

3.1. Panel material and insulation can be changed for the component

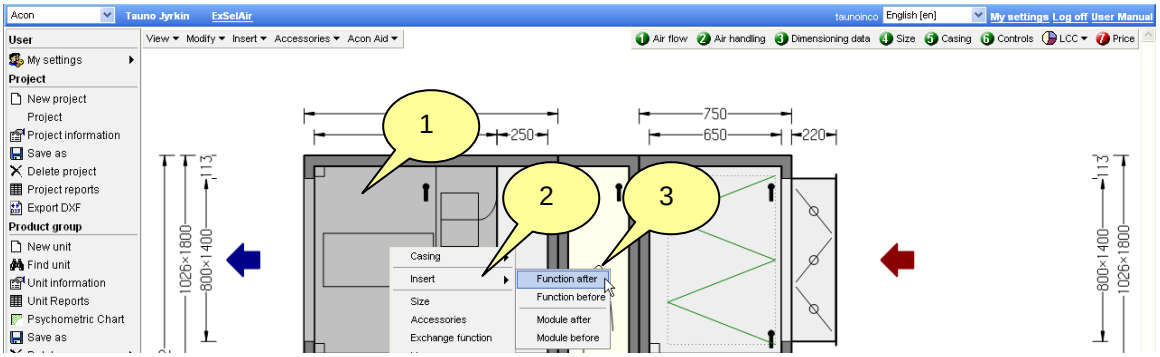
3.2. Click ***OK***

4. Click Drawing/dimensions to view available drawings

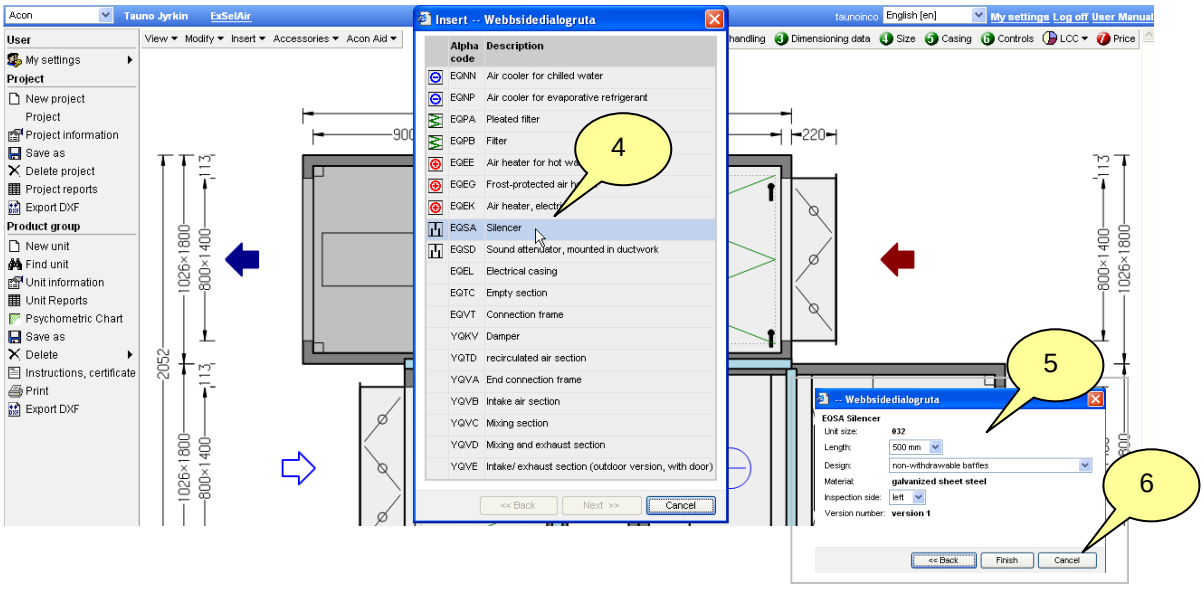


7.2 Insert component

1. Click a component
2. Click ***Insert***
3. Select Function after or Function before

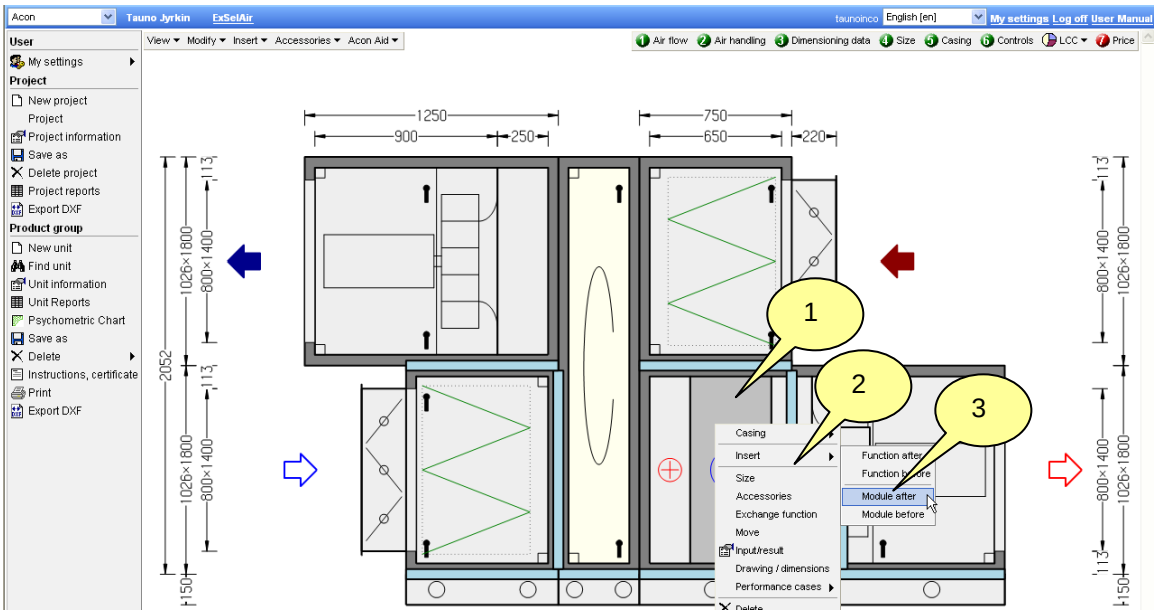


4. Select component.
5. Select properties.
6. Click ***Finish.***



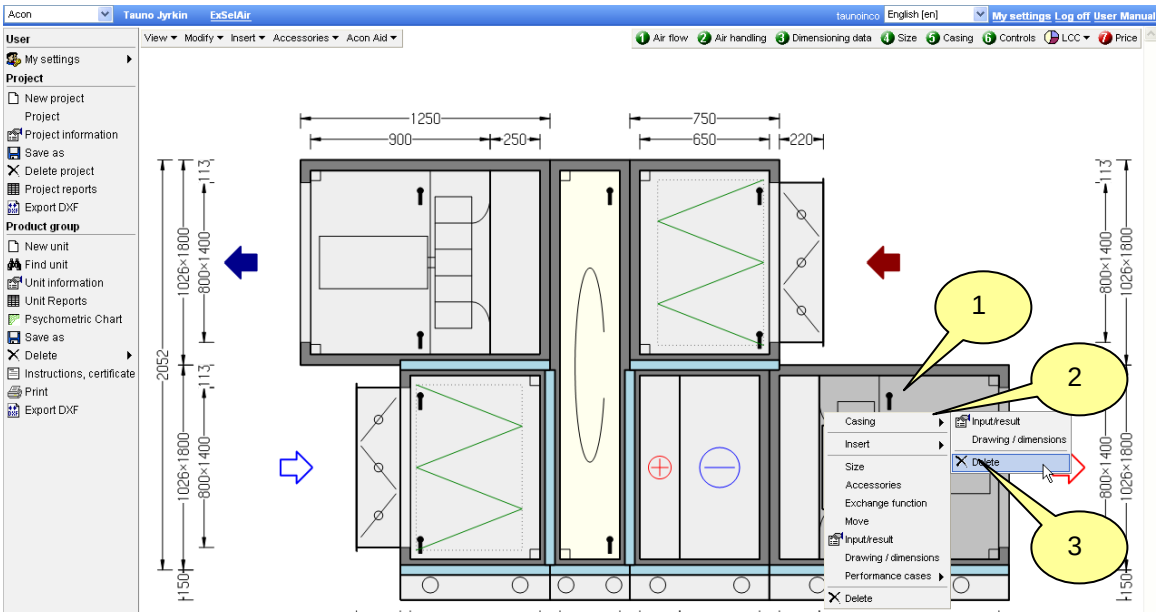
7.3 Insert module

1. Click a component, in this case the water cooler.
2. Click ***Insert***
3. Choose Module after or Module before.



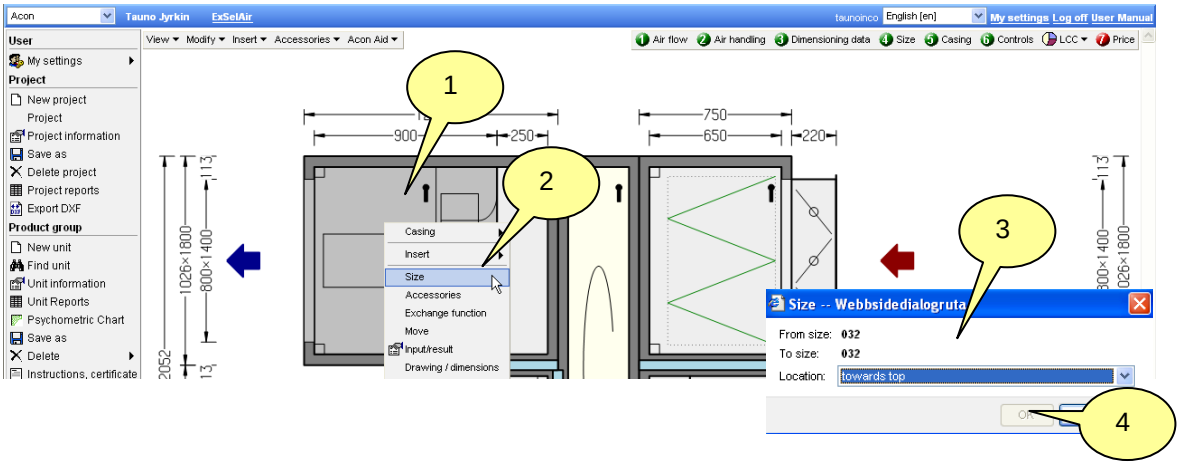
7.4 Delete module

1. Click a component (not the first in the supply air flow direction)
2. Click ***Casing***
3. Click ***Delete***



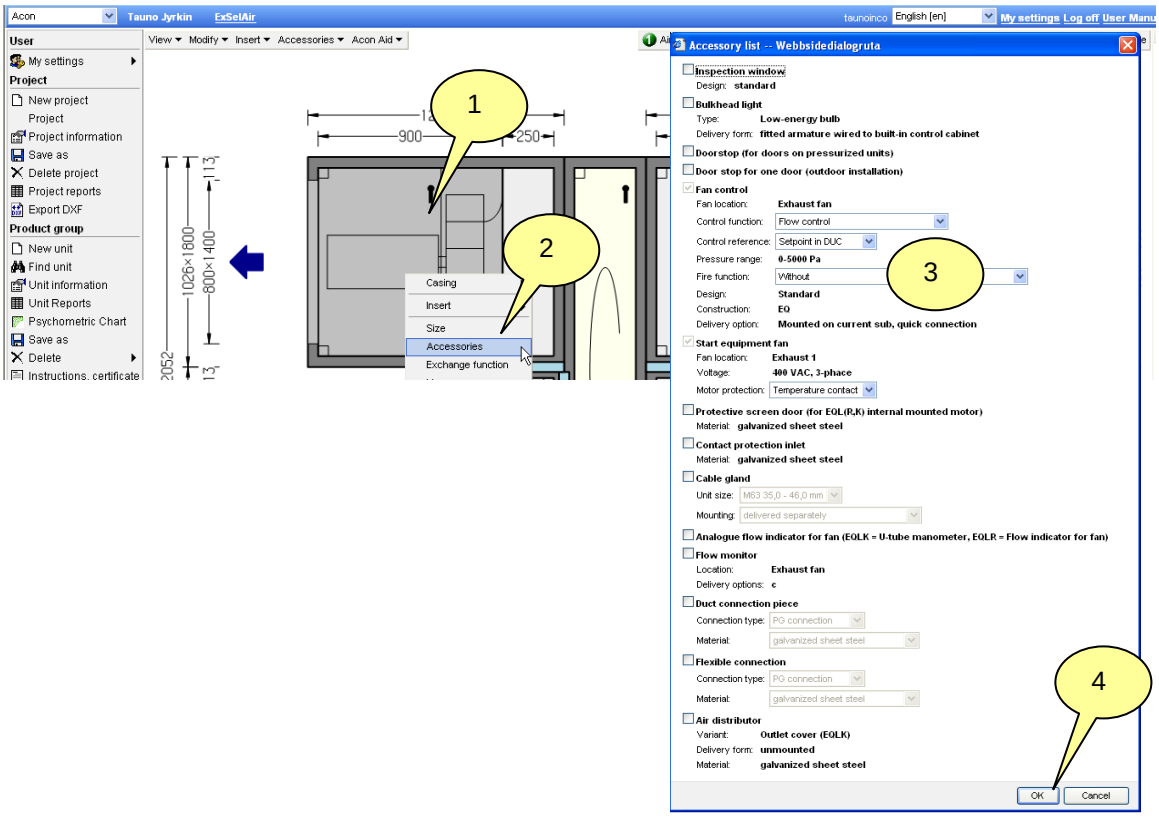
7.5 Change a components size

1. Click a component.
2. Click Size***.***
3. Select size.
4. Click ***Ok***.



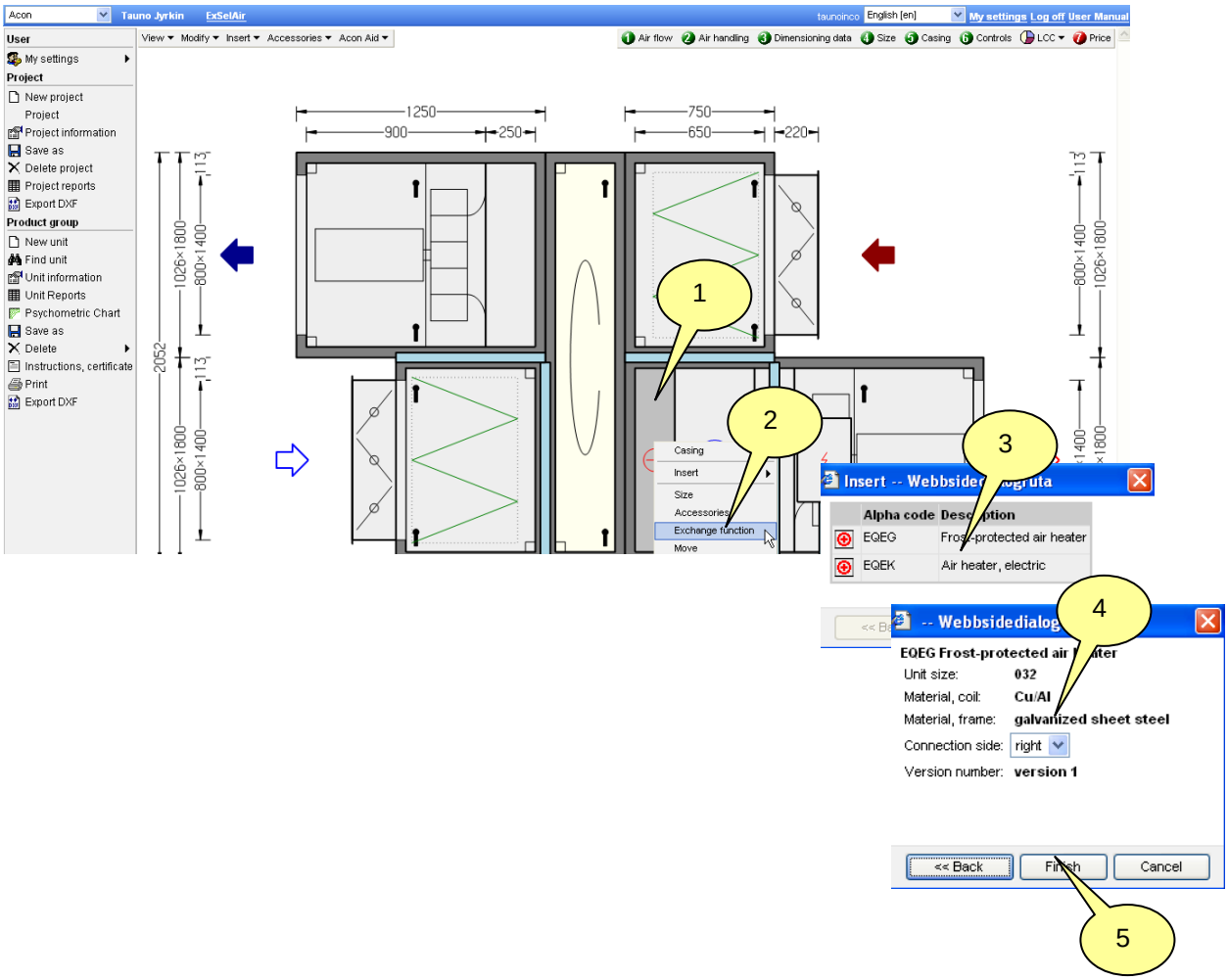
7.6 Choose, change or view accessories

1. Click a component.
2. Click ***Accessories.***
3. Mark the accessories you want to add.
4. Click ***Ok***.



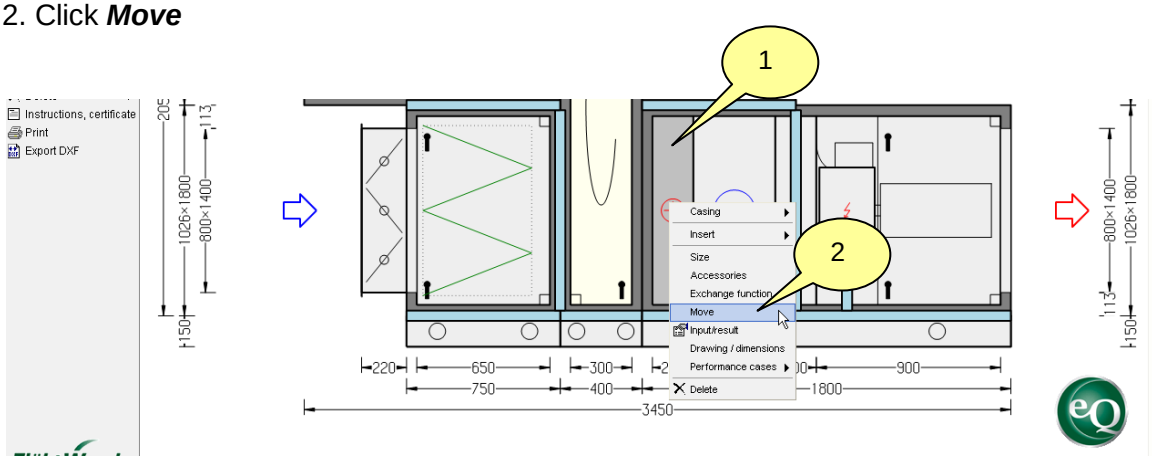
7.7 Exchange function

1. Click the component you wish to exchange (in this case air heater for hot water).
2. Click ***Exchange function***.
3. Click a new component.
4. Select properties.
5. Click ***Finish.***

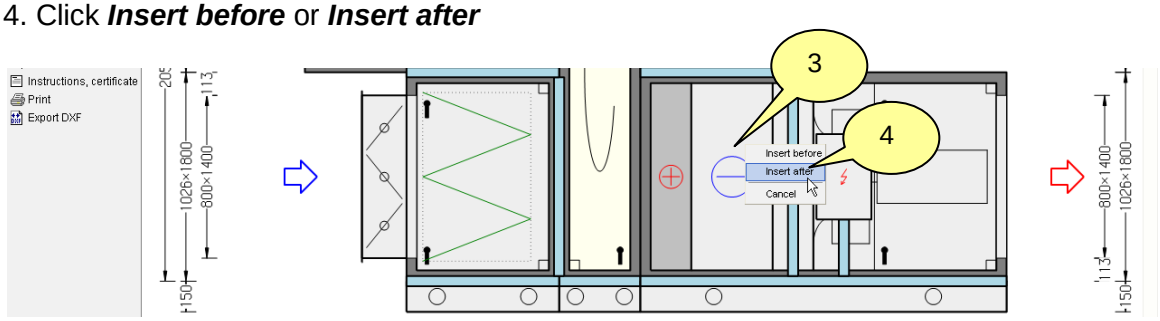


7.8 Move component

1. Click the component you wish to move (in this case Air heater for hot water).
2. Click ***Move***

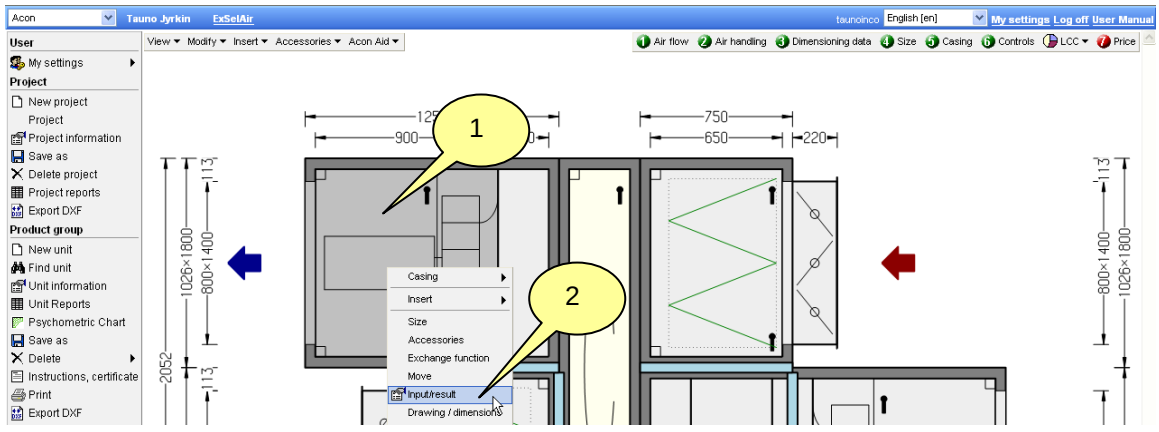


3. Click component you want to move to (in this case Air cooler for chilled water)
4. Click ***Insert before*** or ***Insert after***



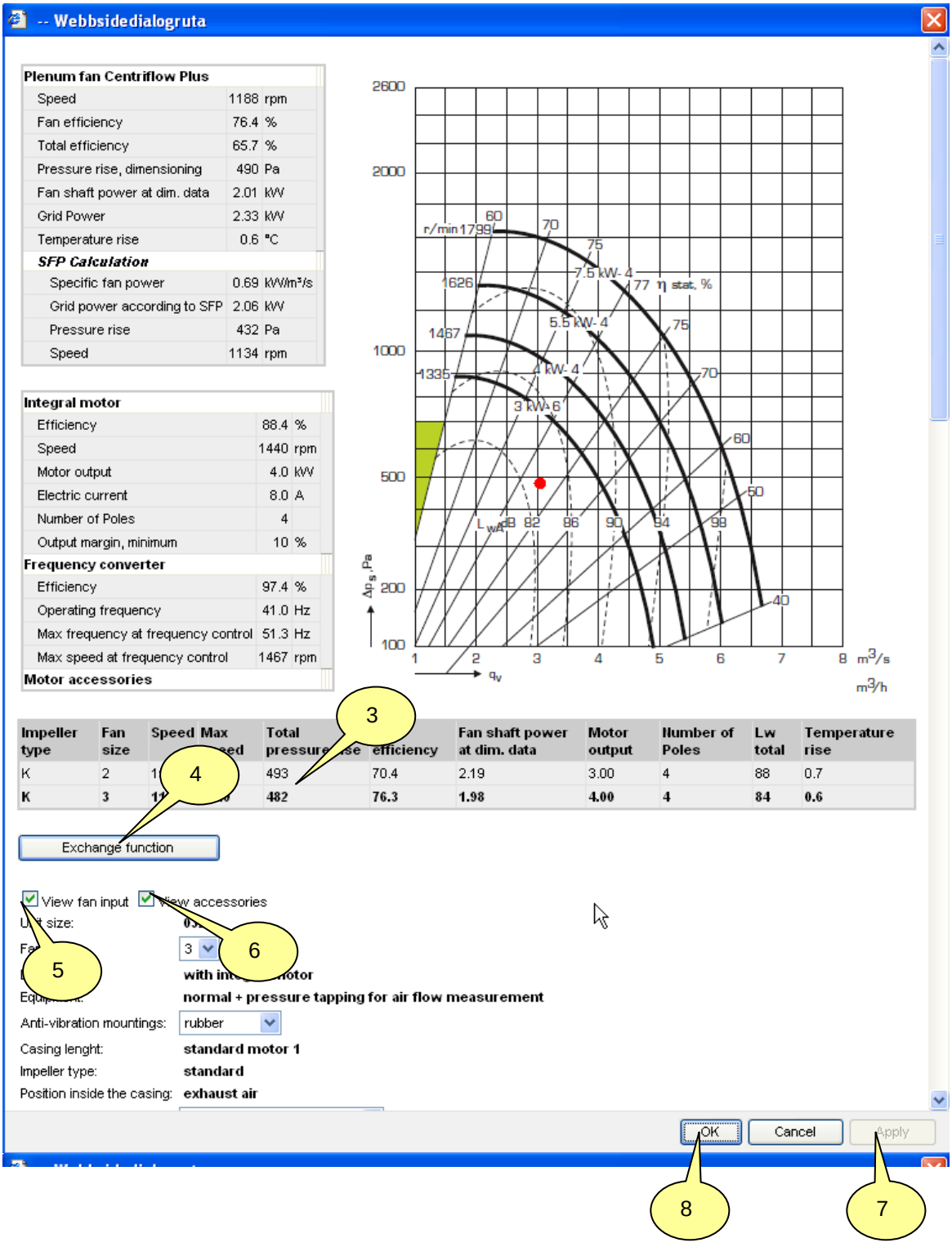
7.9 Choose, view or change a components input/result

1. Click a component (in this case the exhaust fan).
2. Click ***Input/result***.



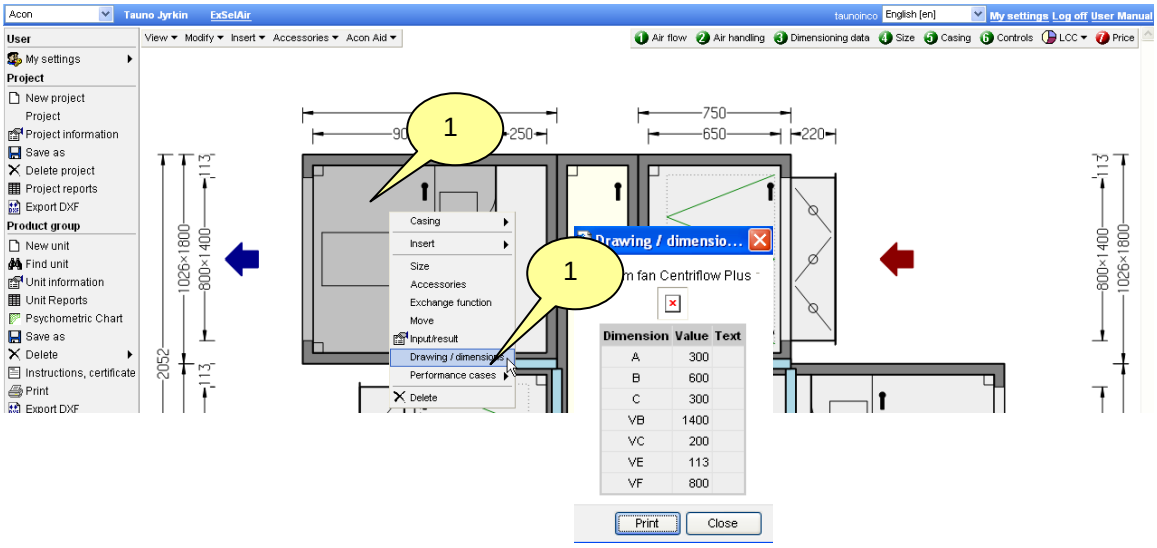
3. Change size (plug fan), click a row.

4. Exchange to centrifugal fan
5. Fan input, mark ***View fan input*** and scroll down
6. Motor, frequency converter and accessories , mark ***View accessories*** and scroll down
7. Click Apply and check the calculation with new input.
8. Click OK, return to unit picture.



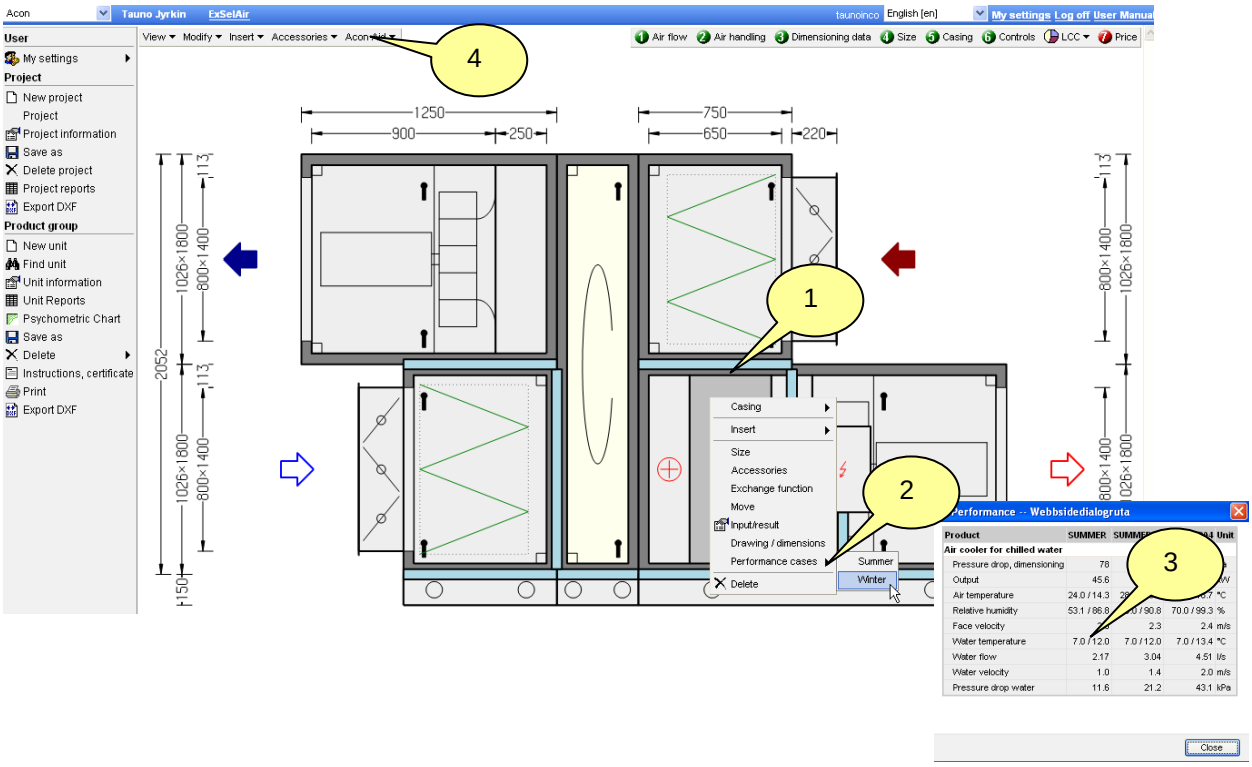
7.10 View a components drawing/dimensions

1. Click a component.
2. Click ***Drawing/dimensions***
3. Click ***Print*** for a printout.



7.11 View performance case (summer and winter)

1. Click a component.
2. Click ***Performance cases, Summer*** or ***Winter***.
3. If performance simulations have been done in 4. ***Acon Aid*** then these results are also presented for each component.



7.12 Delete a unit component

1. Click the component you wish to delete.
2. Click ***Delete***.