Fläkt Woods MagiCAD Plugin

2017-06-27

progman

MagiCAD

CONTENTS

ABOUT THIS DOCUMENT

The purpose of Fläkt Woods MagiCAD Plugin is to use Select or Acon directly from MagiCAD as a product configurator, when adding Fläkt Woods products into MagiCAD for AutoCAD project / drawing.

Fläkt Woods MagiCAD Plugin is an AutoCAD arx application which calls Fläkt Woods selection software (Select/Acon) with input parameters to calculate device, transfer device geometry, technical data and calculation results from Select/Acon into MagiCAD and installs the transferred device into MagiCAD drawing.

Note! This plugin replaces existing Select MagiCAD plugin .

INSTALLING THE SOFTWARE

REQUIRED MAGICAD VERSION

Fläkt Woods MagiCAD Plugin works with the following MagiCAD versions

- MagiCAD 2016.11 and AutoCAD 2013-2017
- MagiCAD 2018 or newer and AutoCAD 2015-2018

INSTALLATION

1. Ensure that you have required MagiCAD version installed on your computer
2. Install Fläkt Woods MagiCAD Plugin

   Plugin can be downloaded from

   https://delivery.progman.fi/Delivery/Download/SearchProducts?searchStr=Flakt&productClass=Plugin

   The 64-bit version of the program is installed by running the installation program
   Flakt Woods MagiCAD Plugin 2017.6.1 64-bit.msi

   Administrator privileges are recommended for installation.

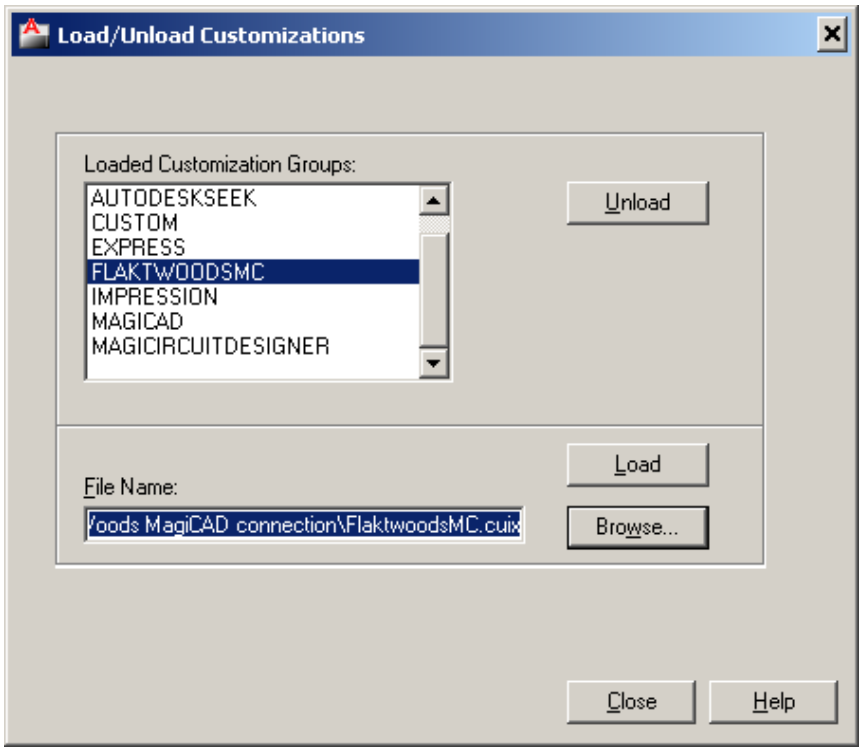
Note if you have several AutoCAD versions on your workstation:
Before you run the installation program, start MagiCAD to make sure that *Fläkt Woods MagiCAD Plugin* installs on the same AutoCAD platform as MagiCAD.

STARTING THE PROGRAM

Before you start using *Fläkt Woods MagiCAD Plugin*, start MagiCAD and open a Ventilation project.

Run **CUILOAD** or **MENULOAD** in AutoCAD, and browse the customization file from the directory where you installed the program (by default, the directory is *C:\Program Files\Flakt Woods\Flakt Woods MagiCAD plugin*).

When you first time start using *Fläkt Woods MagiCAD Plugin*, you need to load the customization file (*FlaktwoodsMC.cuix*) manually.



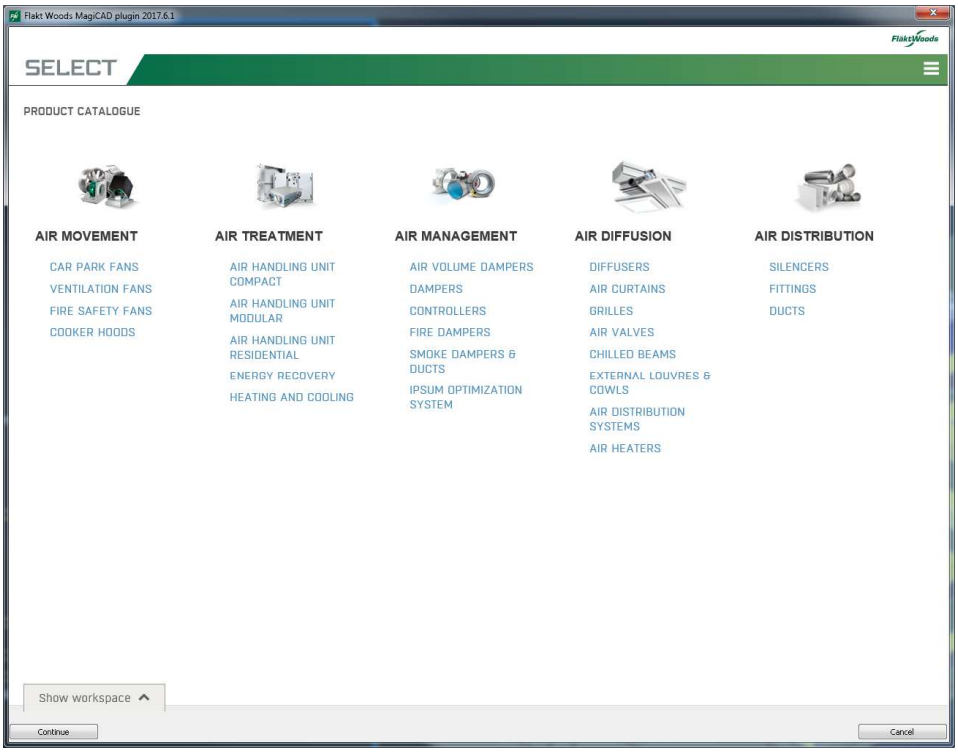
When you click *Load*, *Fläkt Woods* toolbar / ribbon appears on the desktop.

Next time you use AutoCAD, the customization file is automatically loaded.

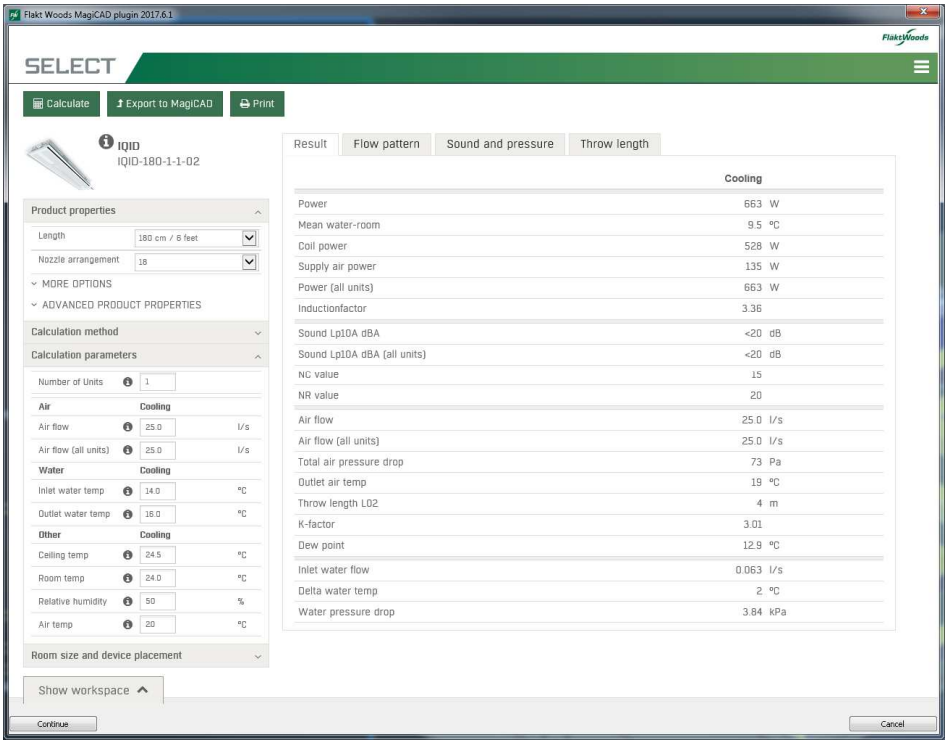
Information for network administrators:
Plugin requires connection to Fläkt Woods web site. Internet Explorer control is used to browse web pages from http://Select.flaktwoods.com/ClickOnce/Fle.Select.Client.application.
Standard HTTP GET (TCP, default port 80 should be used) method is used to retrieve files from the server. GET response includes file (mime application/octet-stream). Your network firewall should allow such connections.

INSERTING COOLING BEAM

1. Click Insert beam -button  to start Select program.
   After Select has started, the right beam can be selected from the Chilled beams under Air Diffusion.



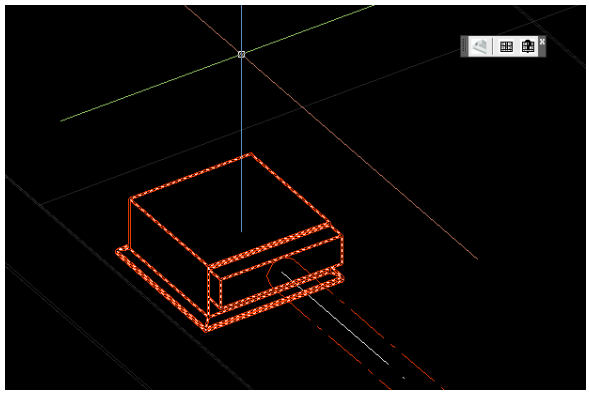
2. The appropriate product variant should be configured on Select Calculation –page.

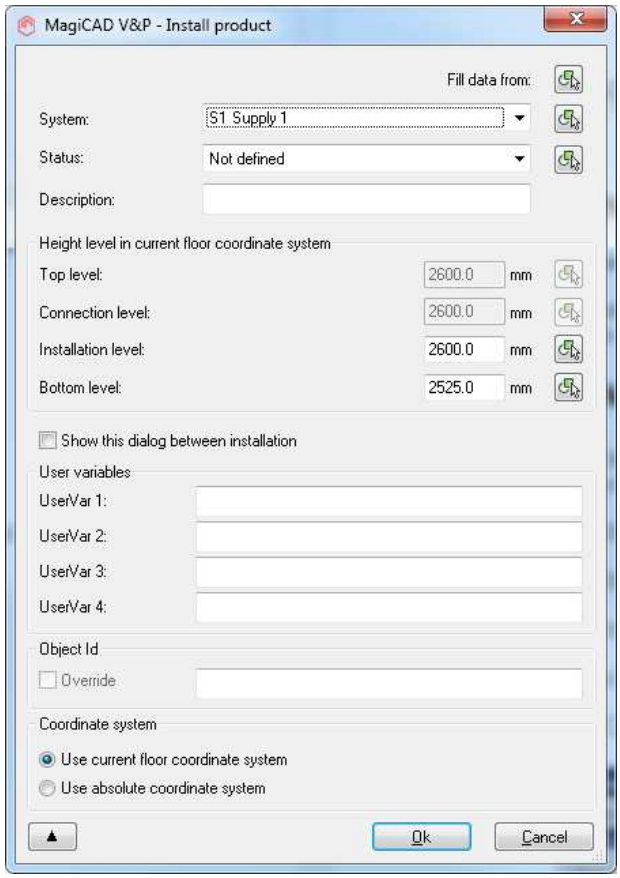


3. Export to MagiCAD -button is enabled if product is possible to transfer to MagiCAD

4. Before product is inserted to MagiCAD drawing/project, user is asked to give user code for the product.

5. Product is now exported to MagiCAD and user can continue working with MagiCAD. e.g connect it to duct system and view product properties.





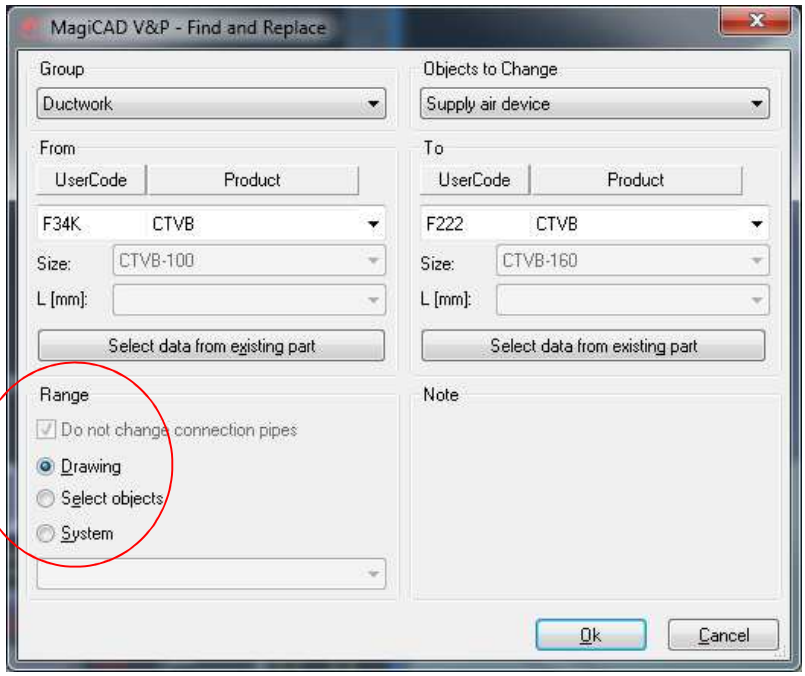
INSERTING AIR TERMINAL DEVICE

Inserting air terminal device  works similar to inserting beam.

Besides exported product variant, also other variants from the same product are exported so you can easily change e.g. size without exporting new product.

UPDATING SELECT PRODUCT

1. Click Insert beam -button  to start updating product exported from Select to another product in Select.
2. Select product exported from Select
3. Select starts
4. Select new product which should replace selected product in MagiCAD
5. Press Export to MagiCAD
6. MagiCAD Find and Replace –dialog opens up.

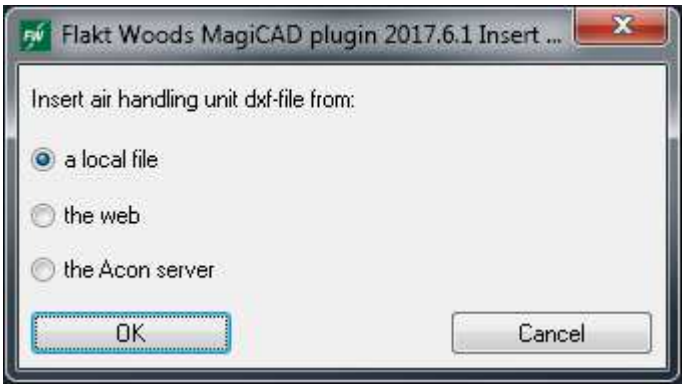


Select *Range* you want to make the update in.

7. By pressing Ok, requested product update will be done in the drawing.

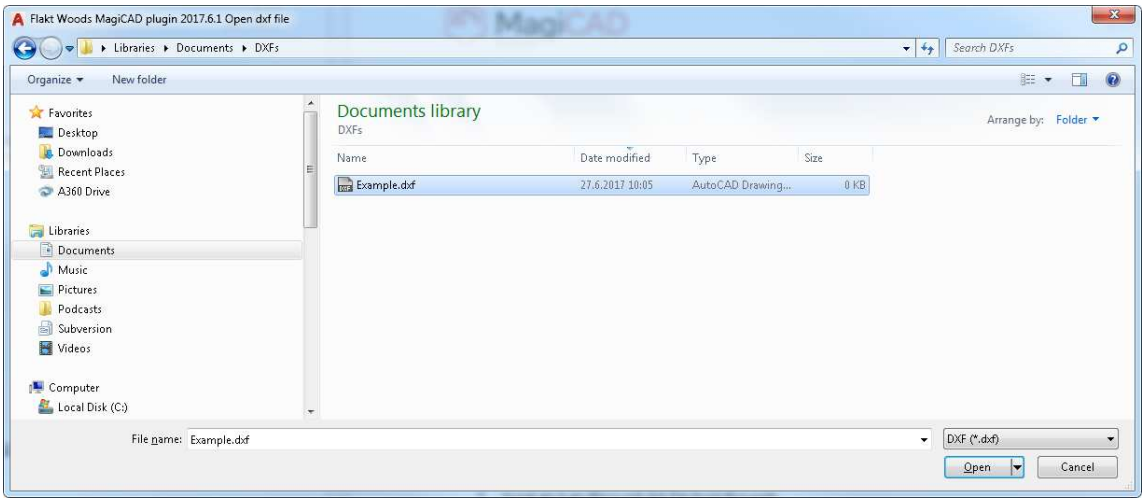
INSERTING AIR HANDLING UNIT

1. Click  -button to start inserting Fläkt Woods air handling unit which is created in Fläkt Woods configurator(Acon) to MagiCAD. The following dialog opens up.

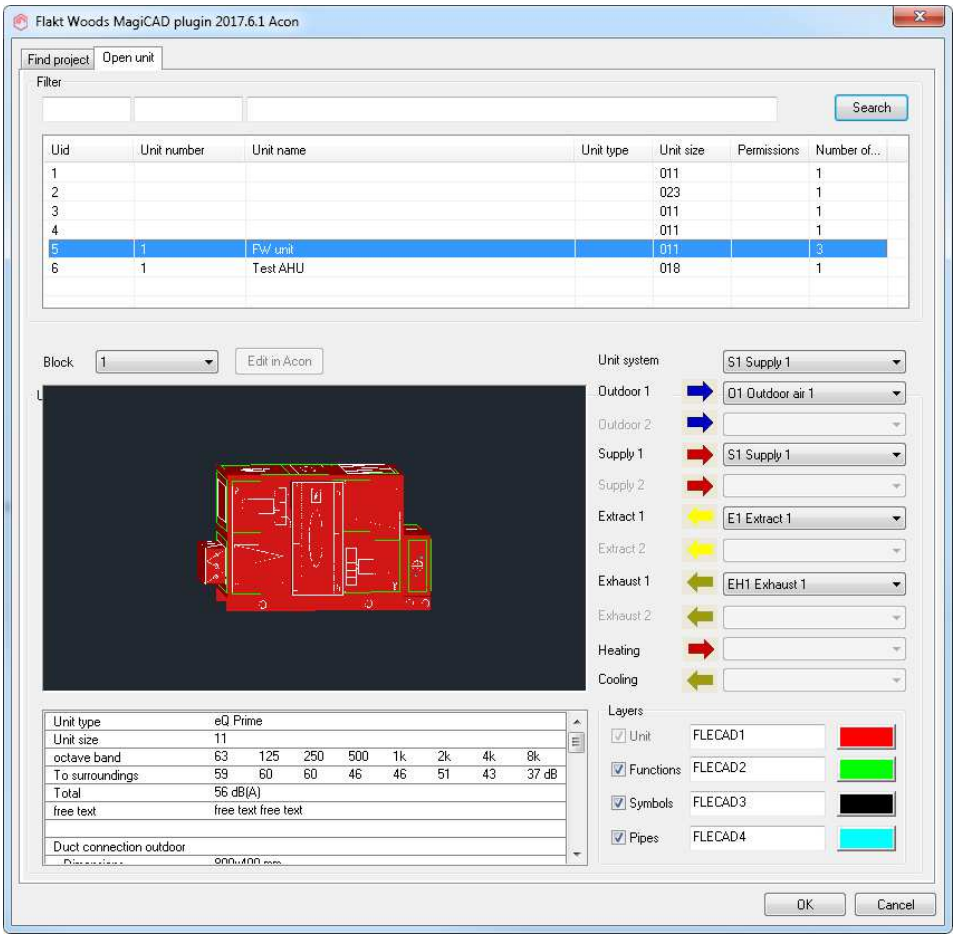


2. Insert air handling unit dxf-file from a local file

   Open .dxf-file which you have exported from Fläkt Woods configurator(Acon) -selection program.

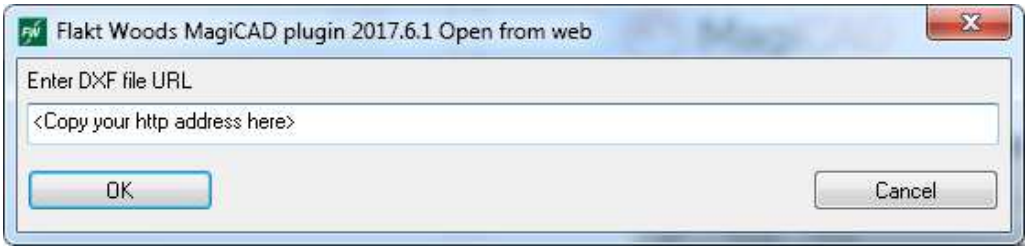


Before unit is added to MagiCAD, you can see unit information, select unit system and select air system for the duct(if there is more than one)



3. Inset air handling unit dxf-file from the web.

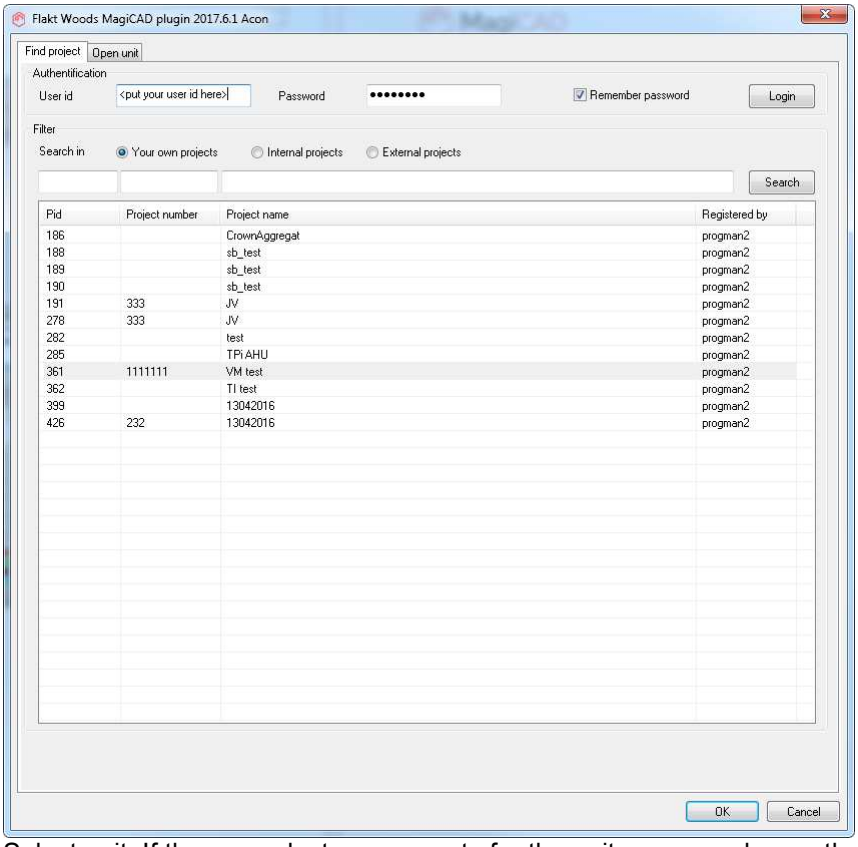
   Give link address to field



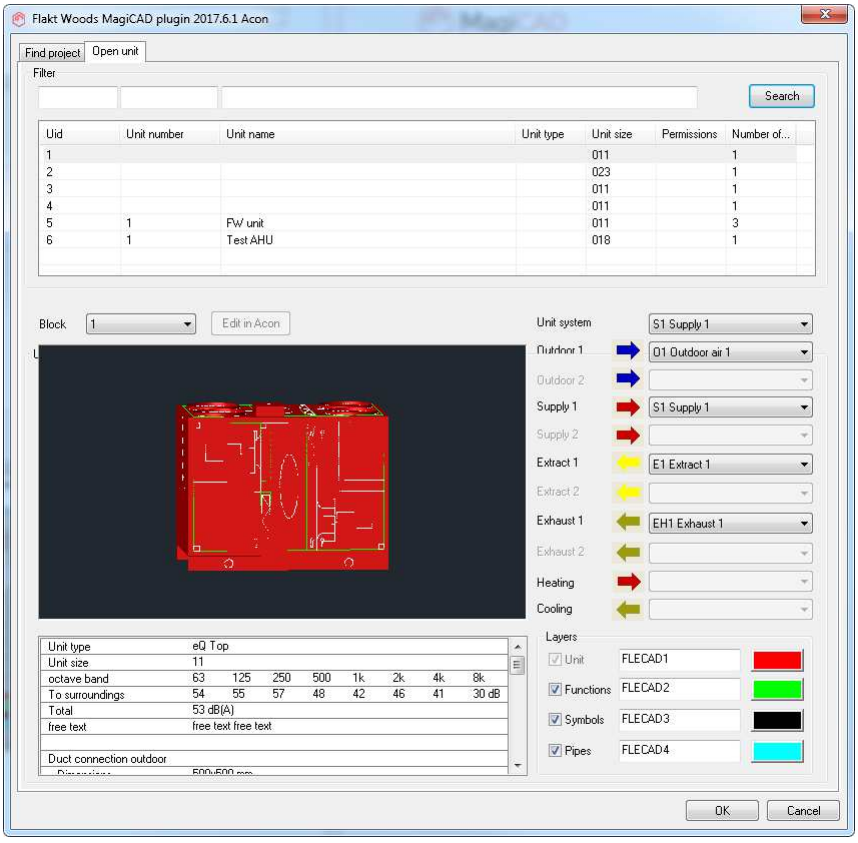
4. Inset air handling unit dxf-file from the Acon server:

   Give your user id and password (same than in Fläkt Woods configurator(Acon)) and log in.

   You will see your project(s) in list. Select one project and move to “Open unit”-page



Select unit. If there are duct components for the unit, you can choose those in block-combo. The unit and air side systems have default values, change those if needed.



VIEW UNIT DATA

Click  -button to view unit data of the AHU.