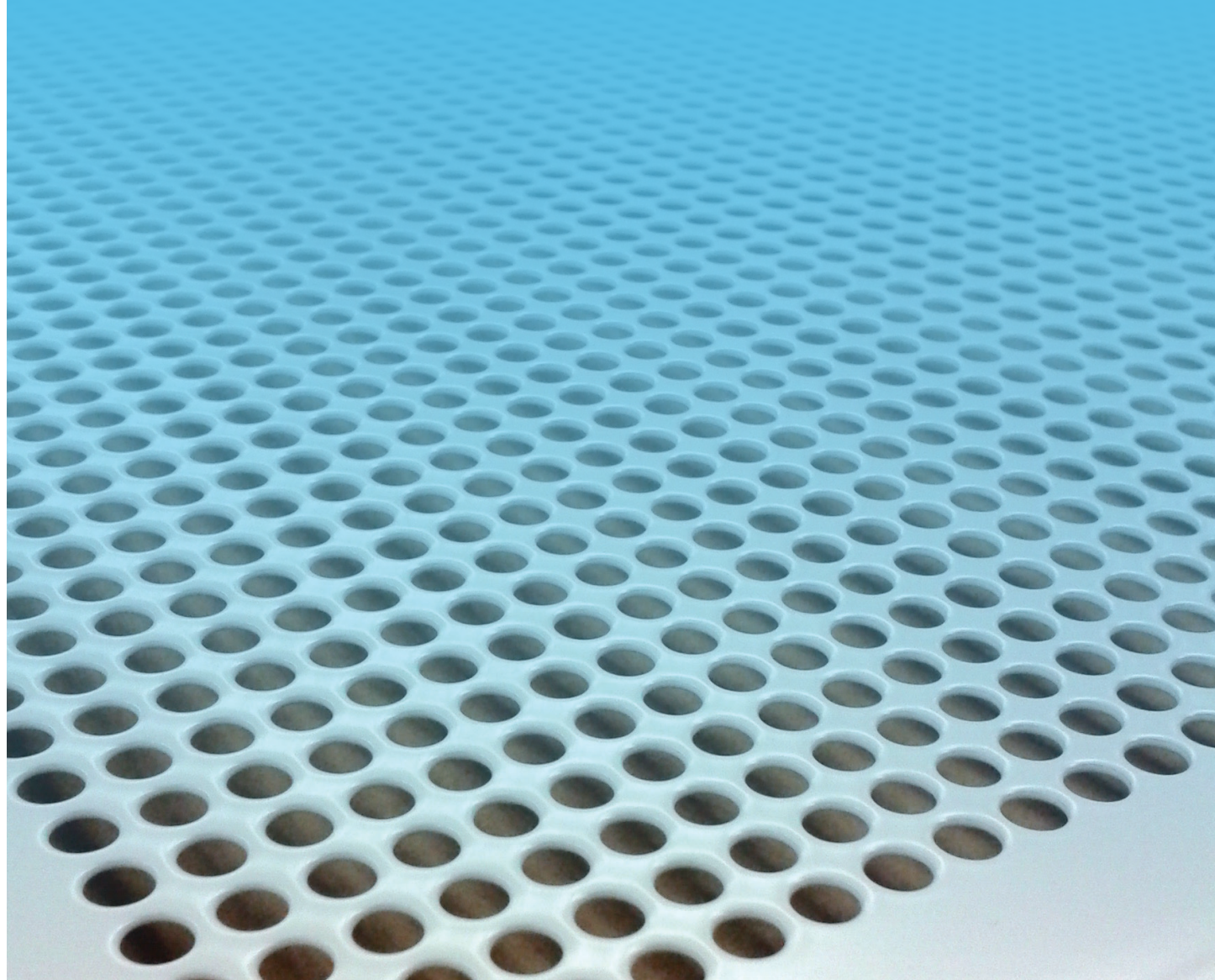


Halton HIT Design

MagiCAD Export User Guide





Content

About this document	3
Installing the software	4
Required software version	4
Installation	4
Exporting Halton products from Halton HIT Design	5
Starting programs	5
Example: Air Diffuser	6
Example: Chilled Beam	10
Possible error situations	14

About this document

The purpose of Halton HIT Design exporter functionality is the possibility to add Halton product from Halton HIT Design program to MagiCAD for AutoCAD design programs.

Halton HIT Design MagiCAD export function connects Halton HIT Design software and MagiCAD program. On the Halton HIT Design user may select the product, calculate it, transfer the geometry, technical data and calculation results into MagiCAD for AutoCAD.

Installing the software

Required software versions

AutoCAD

- 2018, 2017, 2016

MagiCAD

- MagiCAD 2016 for AutoCAD or newer

Installation

1. Ensure that you have required MagiCAD for AutoCAD version installed on your computer.
2. Install Halton HIT Design. Installation packages can be downloaded from Halton web (link below):

https://www.halton.com/en_GB/halton/products/halton-hit-design-tool

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HALTON HIT DESIGN TOOL

04/12/2017

Halton's easy but sophisticated product selection and space design software enables you to create comfortable, energy efficient and safe indoor environments.

Halton
HIT
DESIGN

Halton HIT Design Tool

With Halton HIT Design tool you can quickly select the products you need, simulate their performance for factors such as air velocity, cooling/heating capacity, throw pattern and sound level, to perfectly match to the space of your choice.

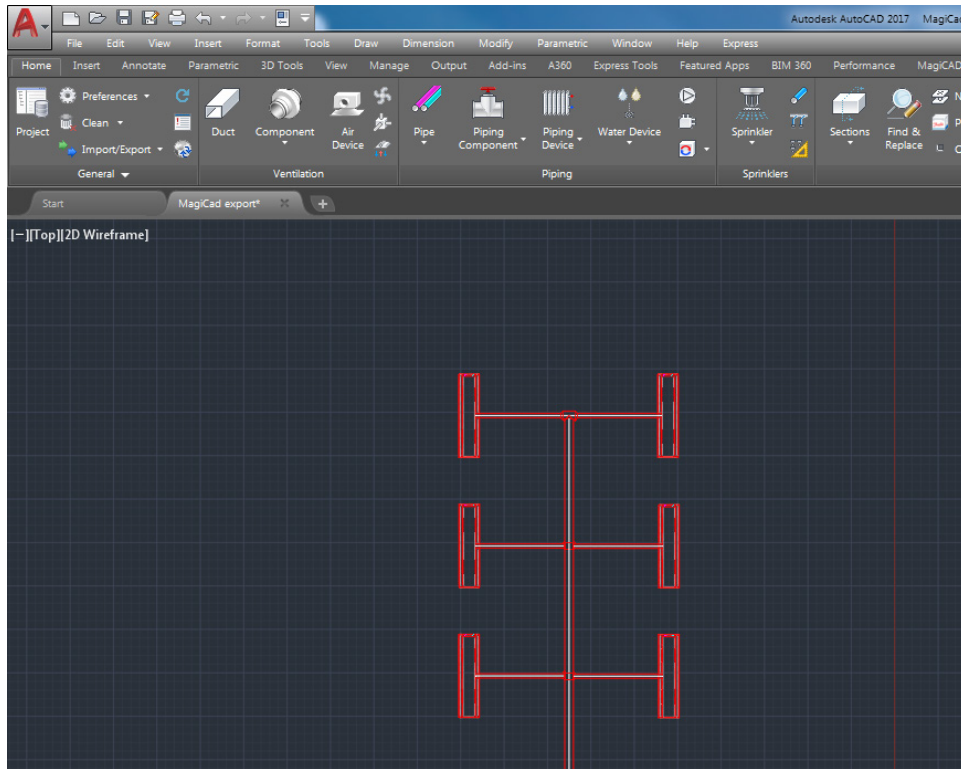
[HALTON.COM](#) > BUILDINGS > DOWNLOADS > HALTON HIT DESIGN TOOL

[Download Halton HIT Design Software here](#)

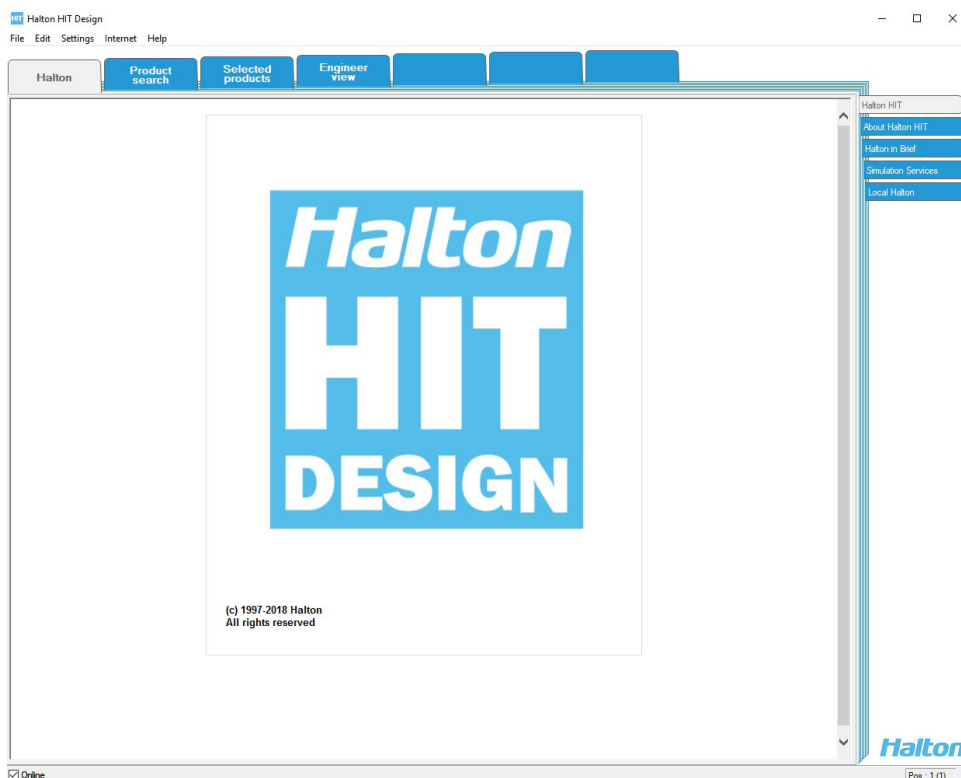
Exporting Halton products from Halton HIT Design

Starting programs

1. Open AutoCAD with MagiCAD design program.

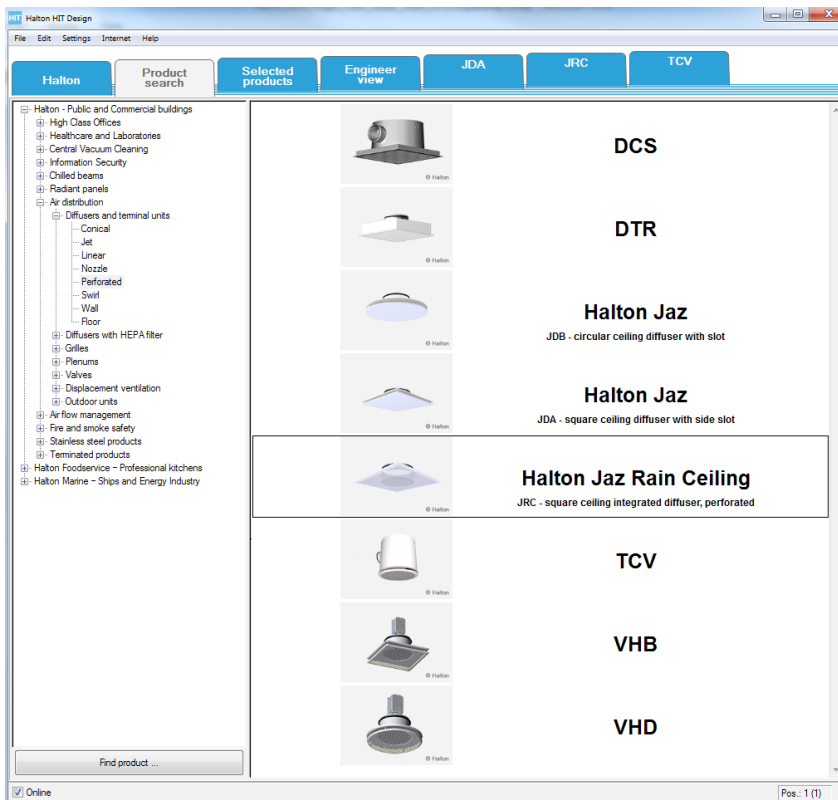


2. Open Halton HIT Design.

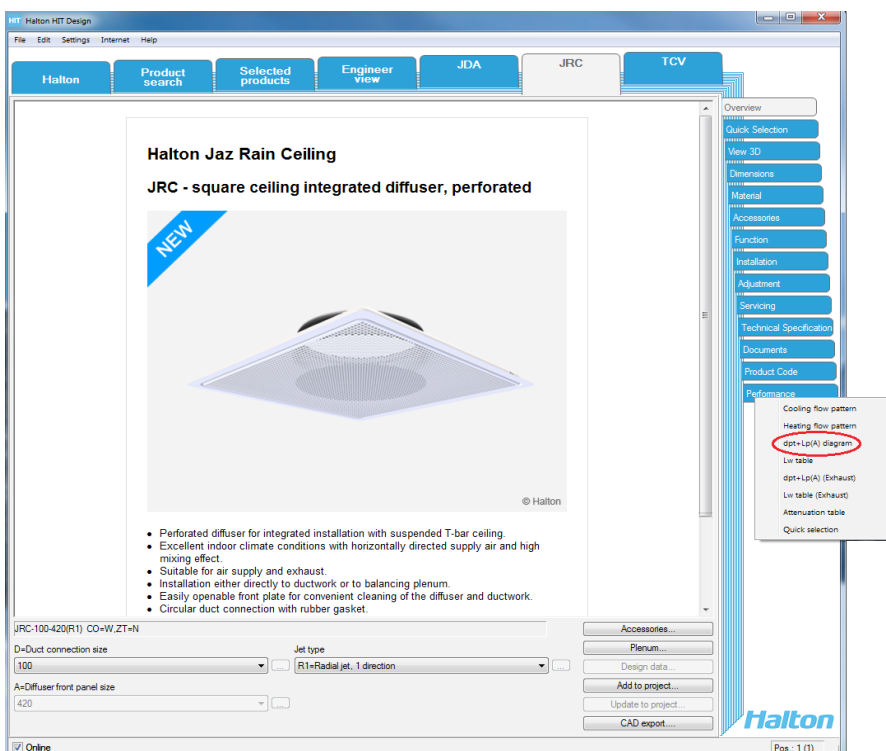


Example: Air diffuser

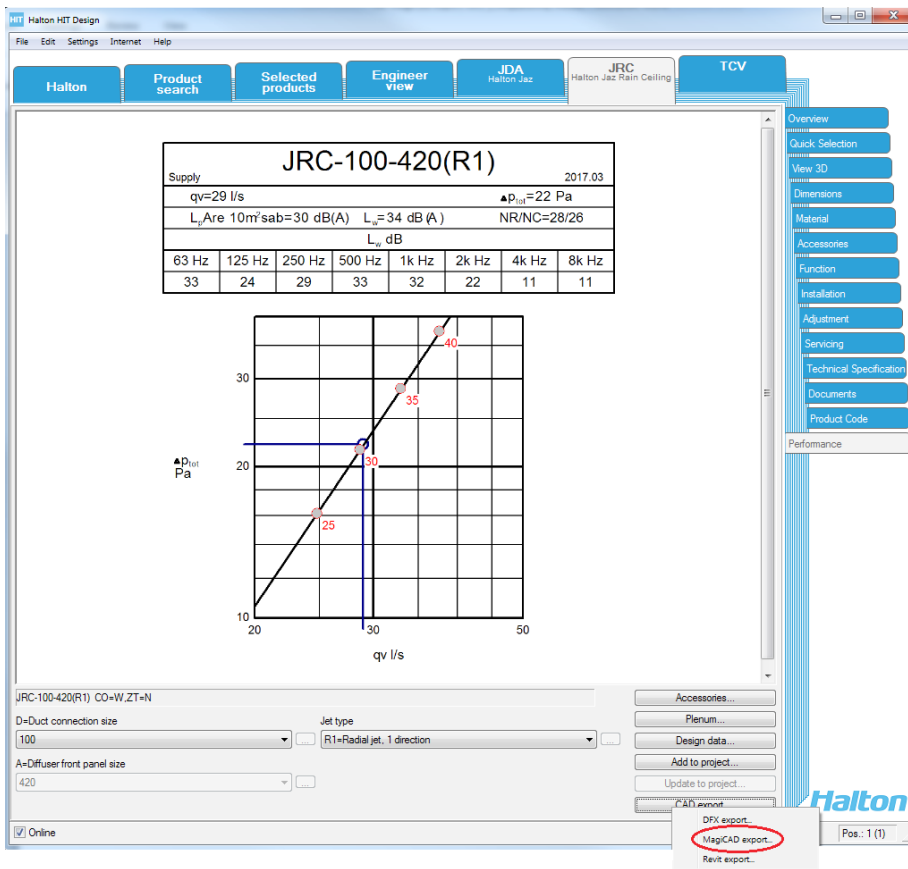
1. Select product from Halton HIT Design.



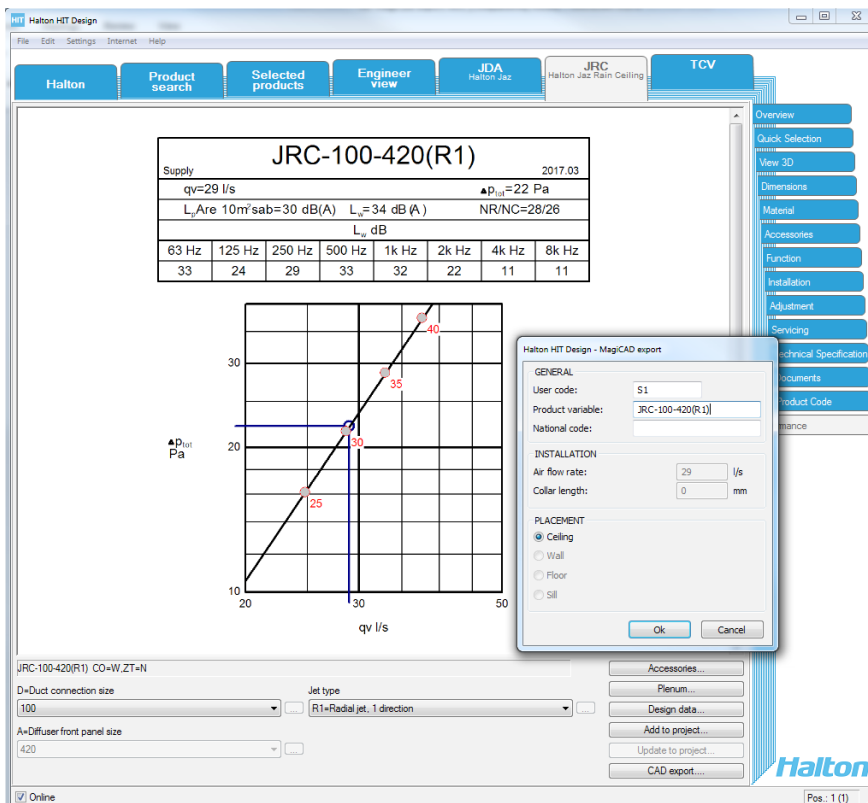
2. Product must be modelled before exporting. Select from right hand side "Performance"-tab, and select 'dpt+Lp (A)' diagram.



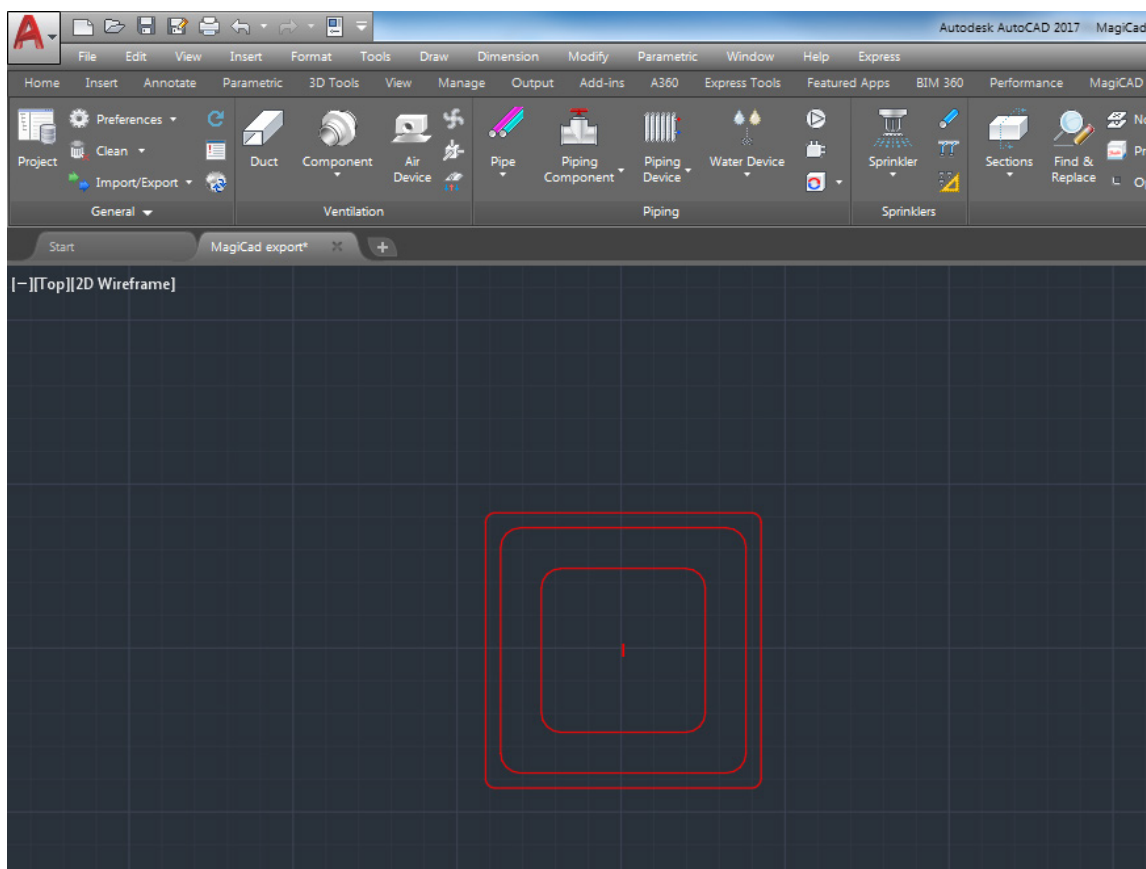
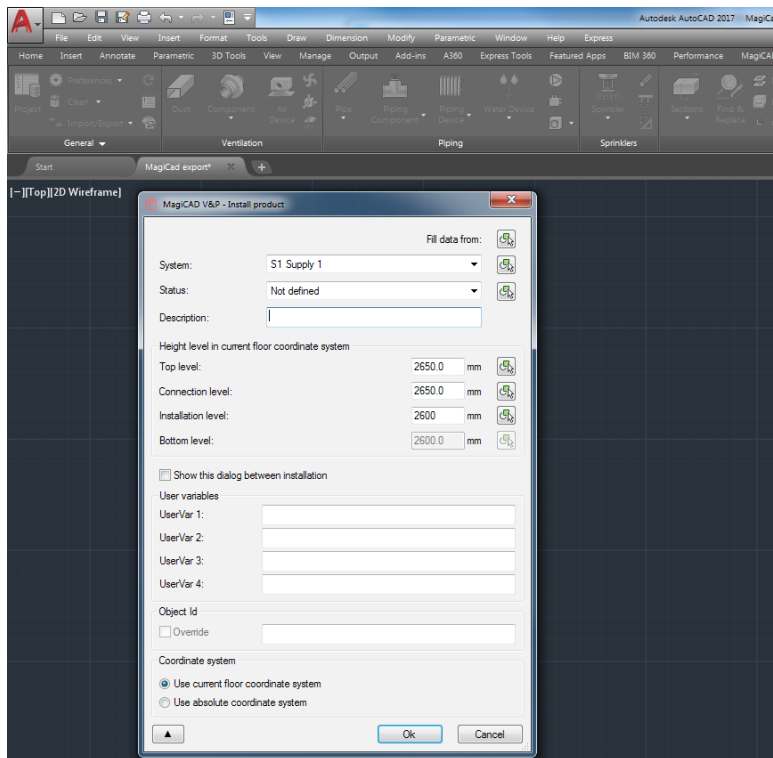
3. Check that the calculation is correct. After that click "CAD-export.." button and select "MagiCAD export" from the bottom right corner.



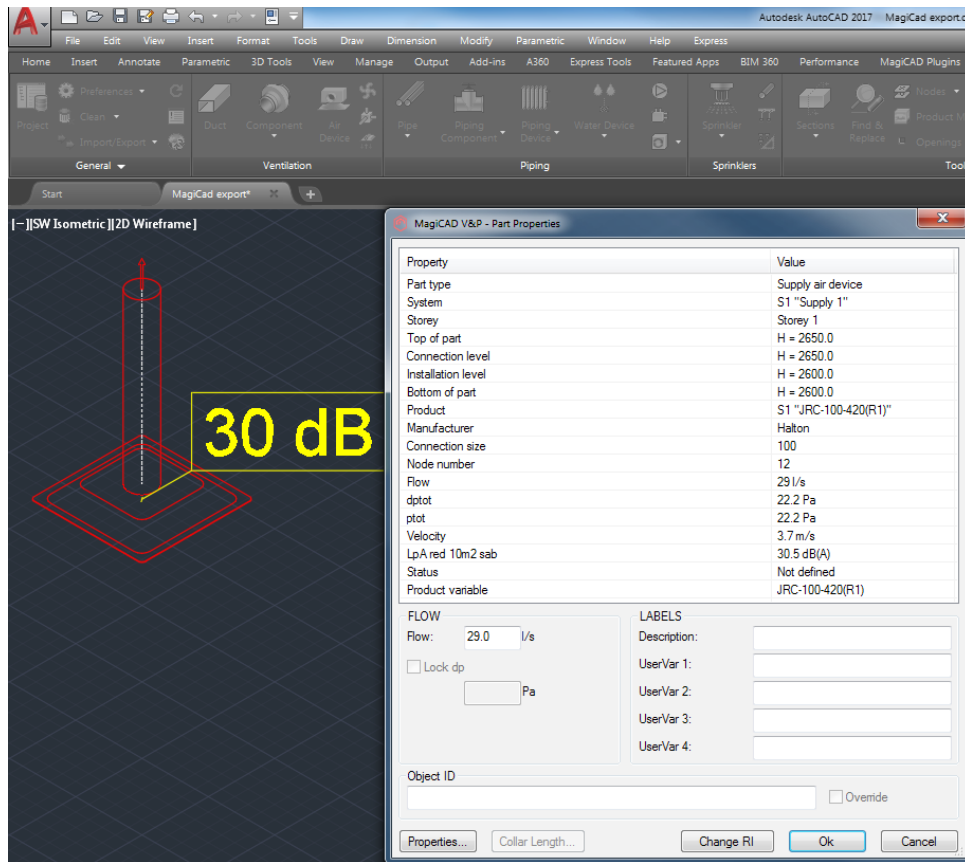
4. In pop-up window, add necessary data to fields. Installation section shows: airflow, collar length and installation placement.



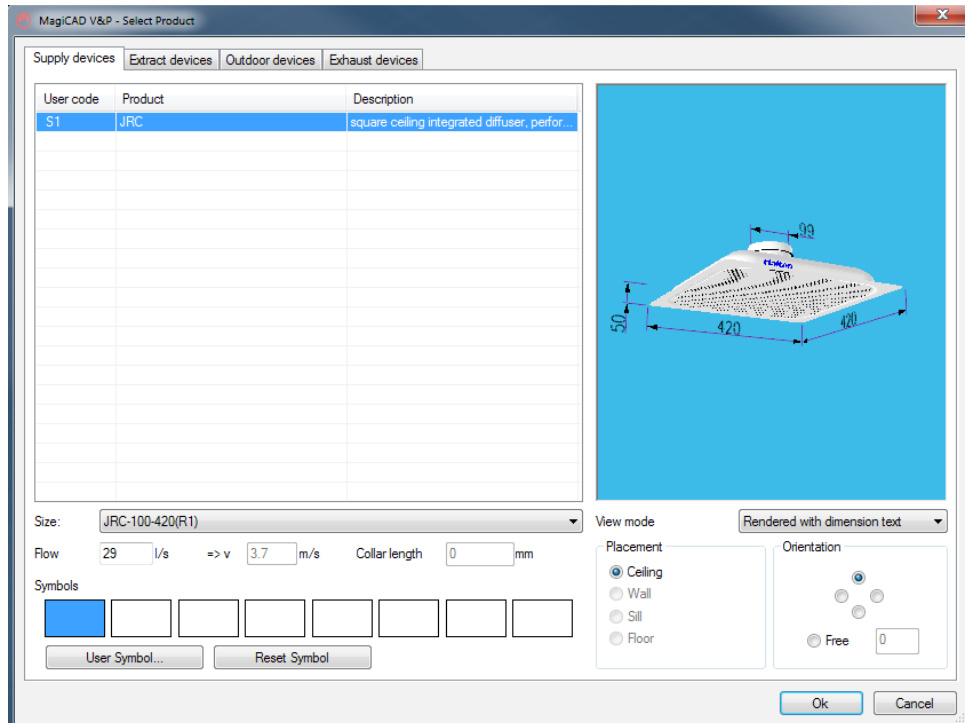
5. Selected object appears in active MagiCAD project.
Install object into correct location and choose system type and installation height.



6. Imported objects function as basic MagiCAD objects.
Air device object include airflow, air pressure and sound data.

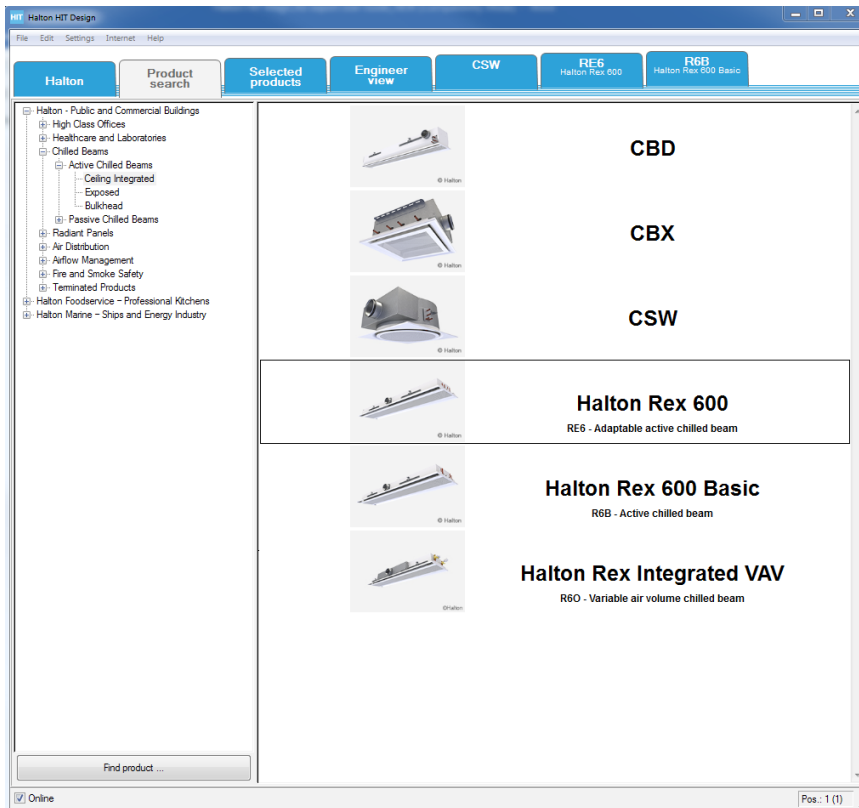


7. When you are using Halton HIT Design MagiCAD export, all exported objects are transferred in to active project file.

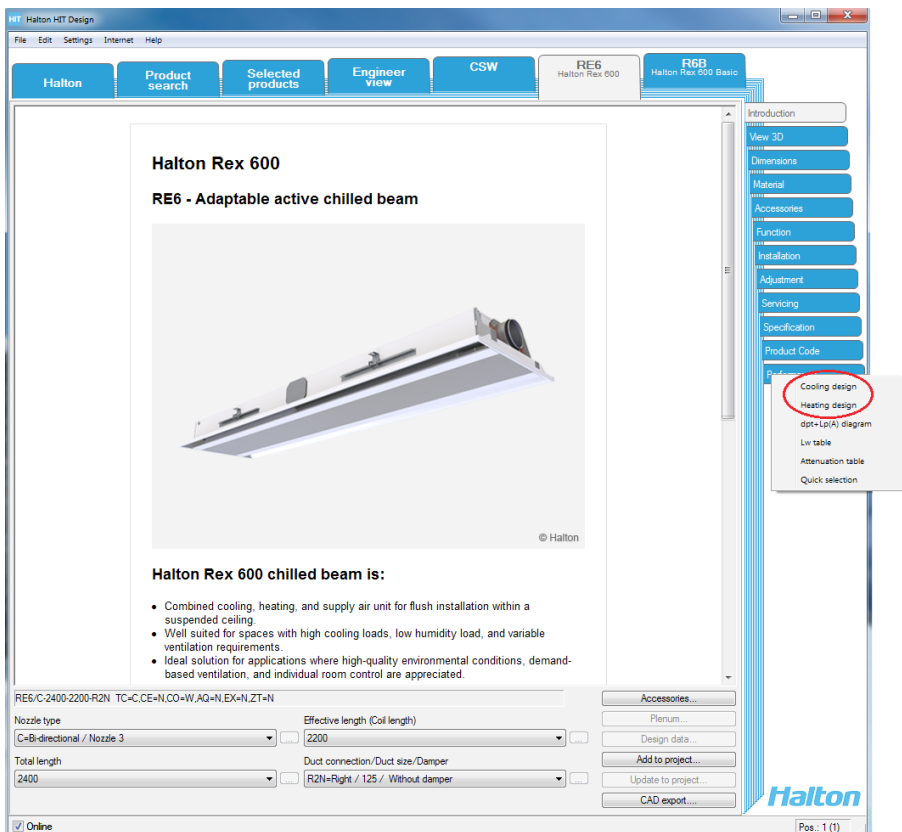


Example: Chilled beam

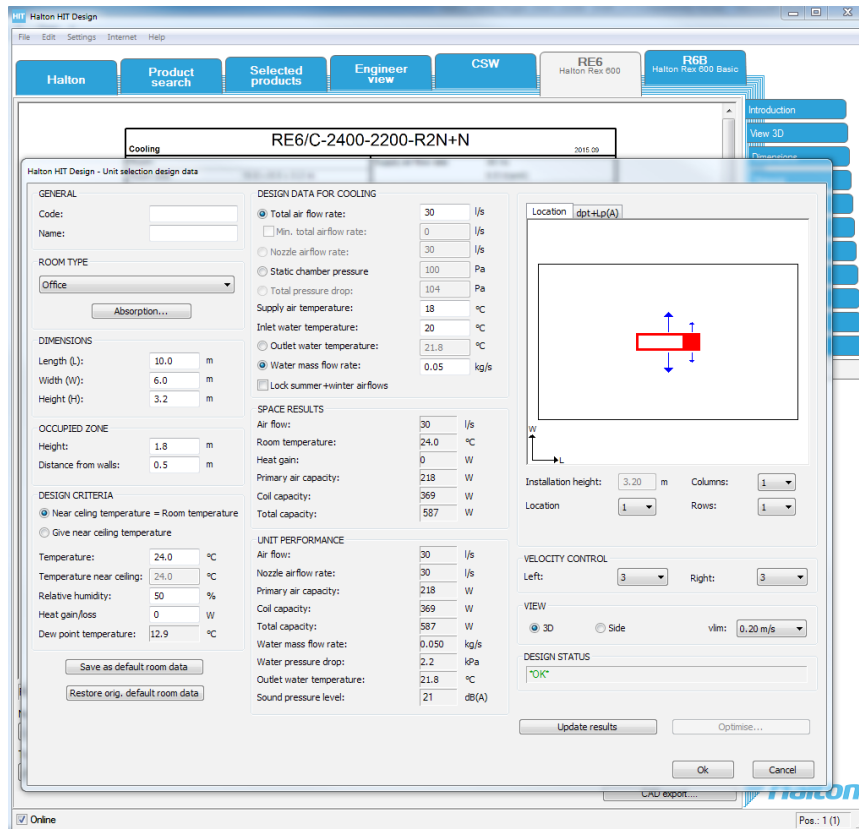
1. Select product from Halton HIT Design.



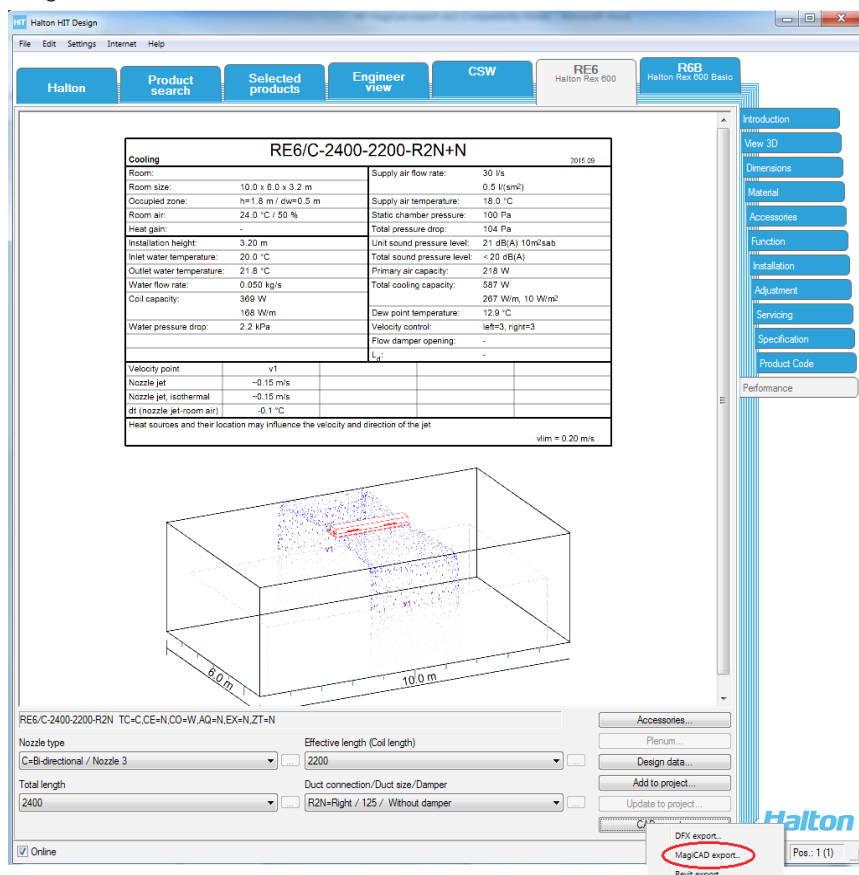
2. Product must be modelled before exporting it. Select from right hand side "Performance"-tab, and select 'Cooling- or Heating design'.



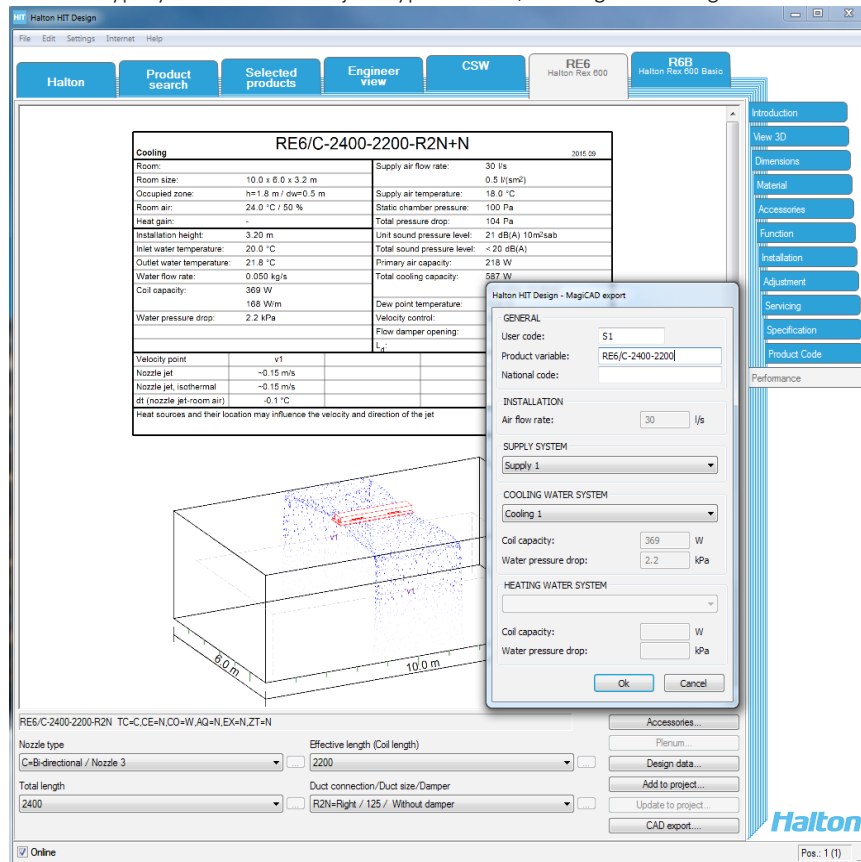
3. Modelling of chilled beam is ready.



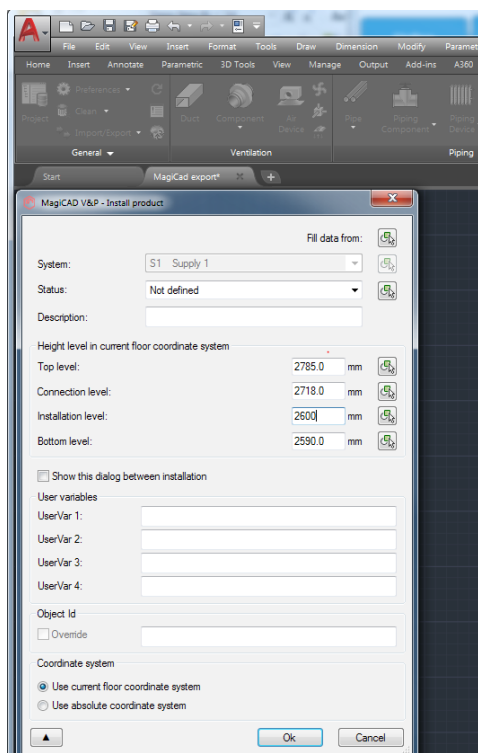
4. The modelling of the chilled beam is accepted by Halton HIT Design and ready to be exported to MagiCAD.



5. In pop-up window, add necessary data to fields.
 Installation section shows airflow and coil capacity.
 In beam type you can select object type: airflow, cooling or heating device.



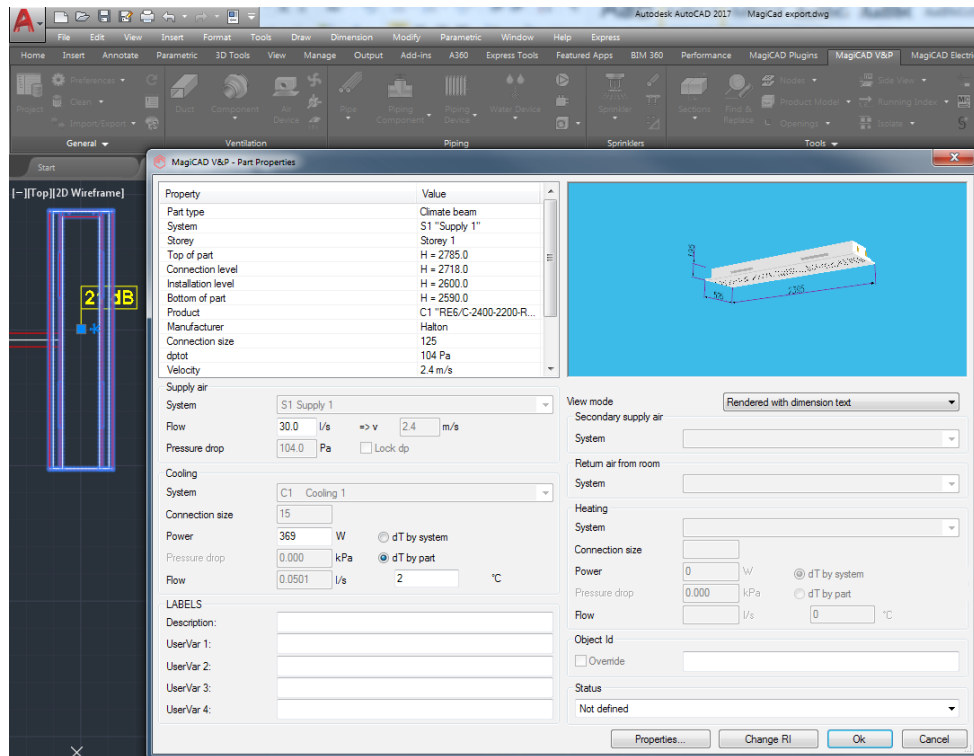
6. Selected object appears in active MagiCAD project.
 Install object into correct location and choose system type and installation height.



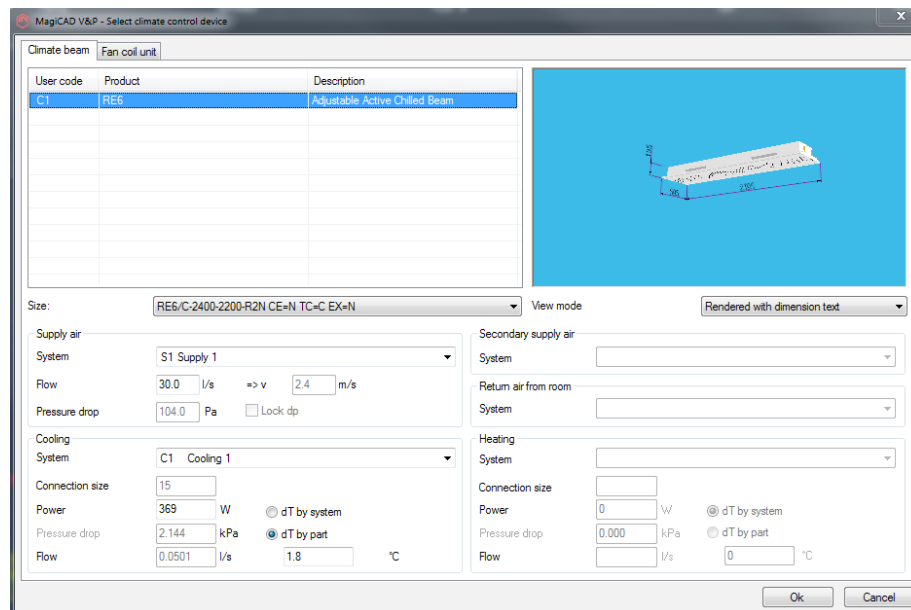
7. Imported objects function as basic MagiCAD objects.

That means air device object include airflow, air pressure and sound data.

If you are using cooling or heating device, then there is cooling/heating power, flow and pressure data.

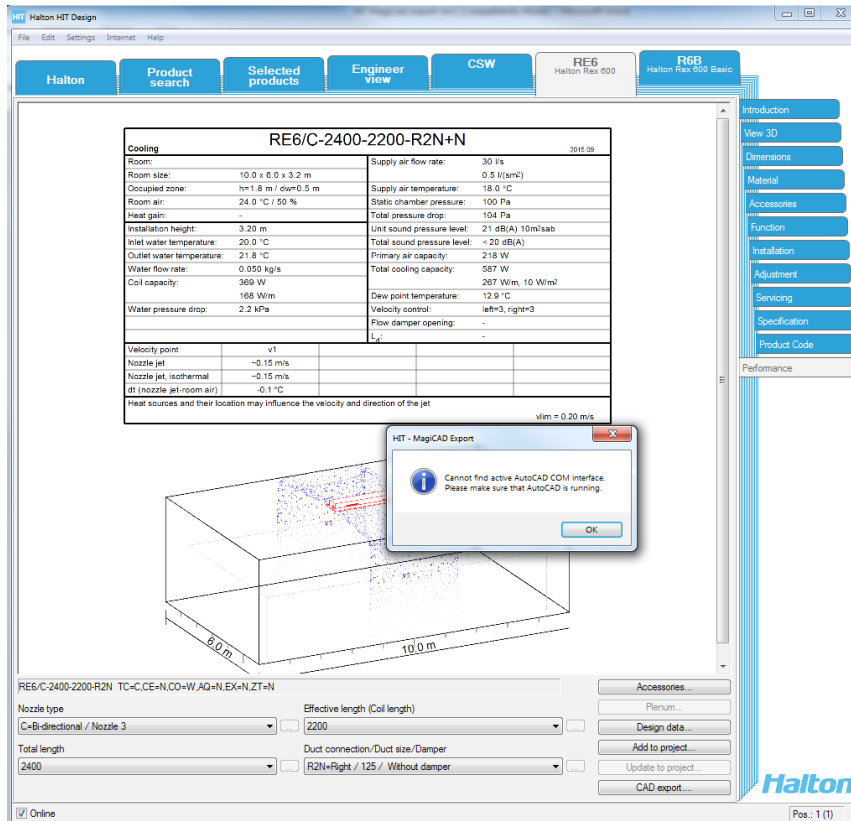


8. When you are using Halton HIT Design MagiCAD export, all exported object goes also in to active project file.

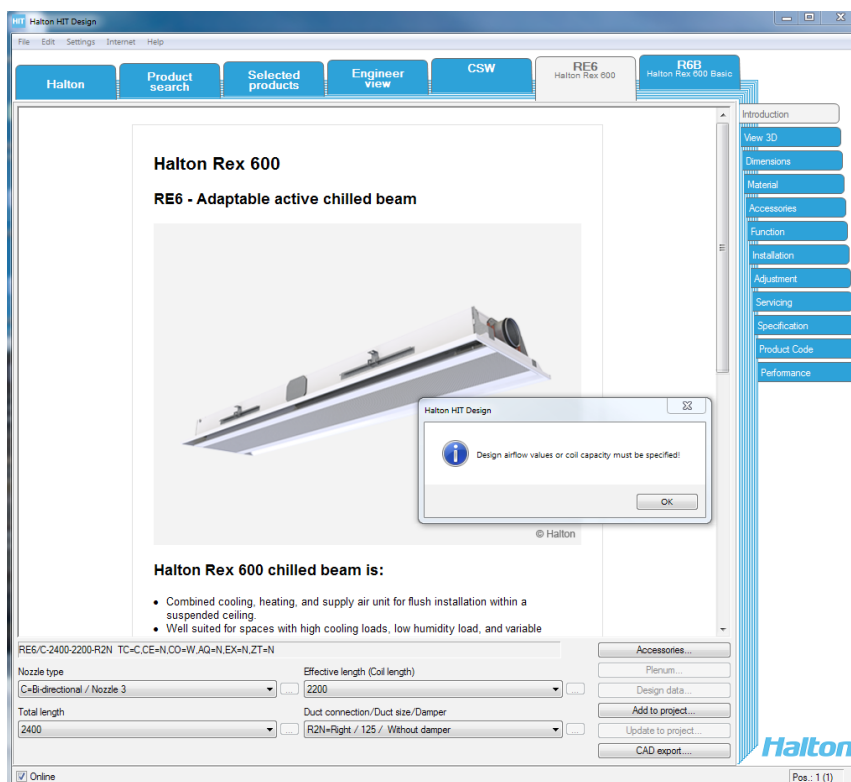


Possible error situations

1. Project in MagiCAD needs to be activated before using exporter.



2. Design data calculation needs to be created before MagiCAD export is active.



3. All products are not supported by exporter.

