

Climecon Huuva.X MagiCAD Cloud Plugin for Revit

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1 General

About this document

This document contains instructions on using Climecon Huuva.X MagiCAD plugin on Autodesk Revit.

Climecon Huuva.X MagiCAD plugin allows user to insert and use StandardPlus, CleanMaster and MistMaster product family hoods in MagiCAD for Revit and plain Revit projects and drawings.

Installing the plugin application

Required third party software

Climecon Huuva.X MagiCAD plugin works with the following MagiCAD and Revit versions:

Revit

- Revit 2024 - 2027

MagiCAD for Revit(optional)

- MagiCAD 2026 with Revit 2024 - 2026
- MagiCAD 2027 with Revit 2025 - 2027

Before installation

Workstation administrator privileges are recommended for installation.

Installation

1. Download the installer file *Climecon Plugin for Revit and MagiCAD* from MagiCAD portal to your workstation:

<https://portal.magicad.com/Download/ProductSearch?searchStr=Climecon&categoryId=3>

2. Run the Climecon installer on your workstation.

Starting the plugin application

The plugin is automatically loaded and is ready to be used once MagiCAD / Revit is started next time after the plugin installation.

Before you start using the Climecon Huuva.X MagiCAD plugin, (re)start the MagiCAD and open a ventilation project.

Locate the MagiCAD Connect tab from the Revit ribbon panel. Once the Climecon Huuva.X MagiCAD plugin is loaded its ribbon panel and button can be found from MagiCAD Connect tab. When the button is clicked the Huuva.X hood insert operation is started. On mouse over the button it gives some extra information about the insert functionality.



Picture 1 Climecon panel with Huuva.X insert button

2 Functionality

Climecon Huuva.X MagiCAD plugin UI overview

Huuva.X plugin contains one operation:

Insert hood operation



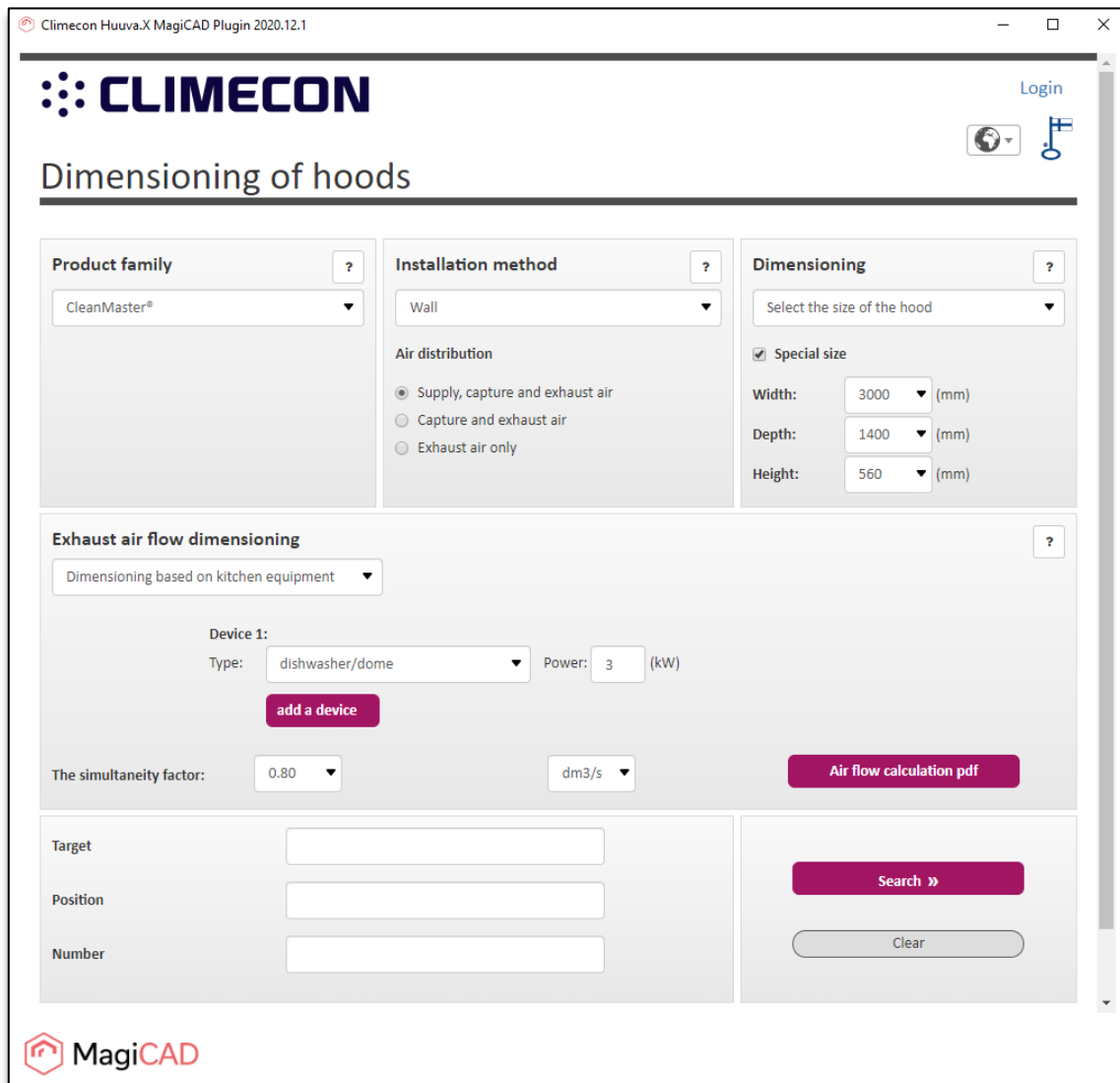
This command inserts a new Huuva.X hood product to MagiCAD with Climecon Huuva.X selection tool.

Detailed insert operation in MagiCAD for Revit and Revit



Follow these steps to insert hood product from Huuva.X MagiCAD for Revit and Revit:

1. Click the “Insert hood” button from the Climecon panel.
2. Once the operation is started the plugin opens the Huuva.X selection tool. User selects the hood product, limits the search criteria and selects the “Search” button to proceed.



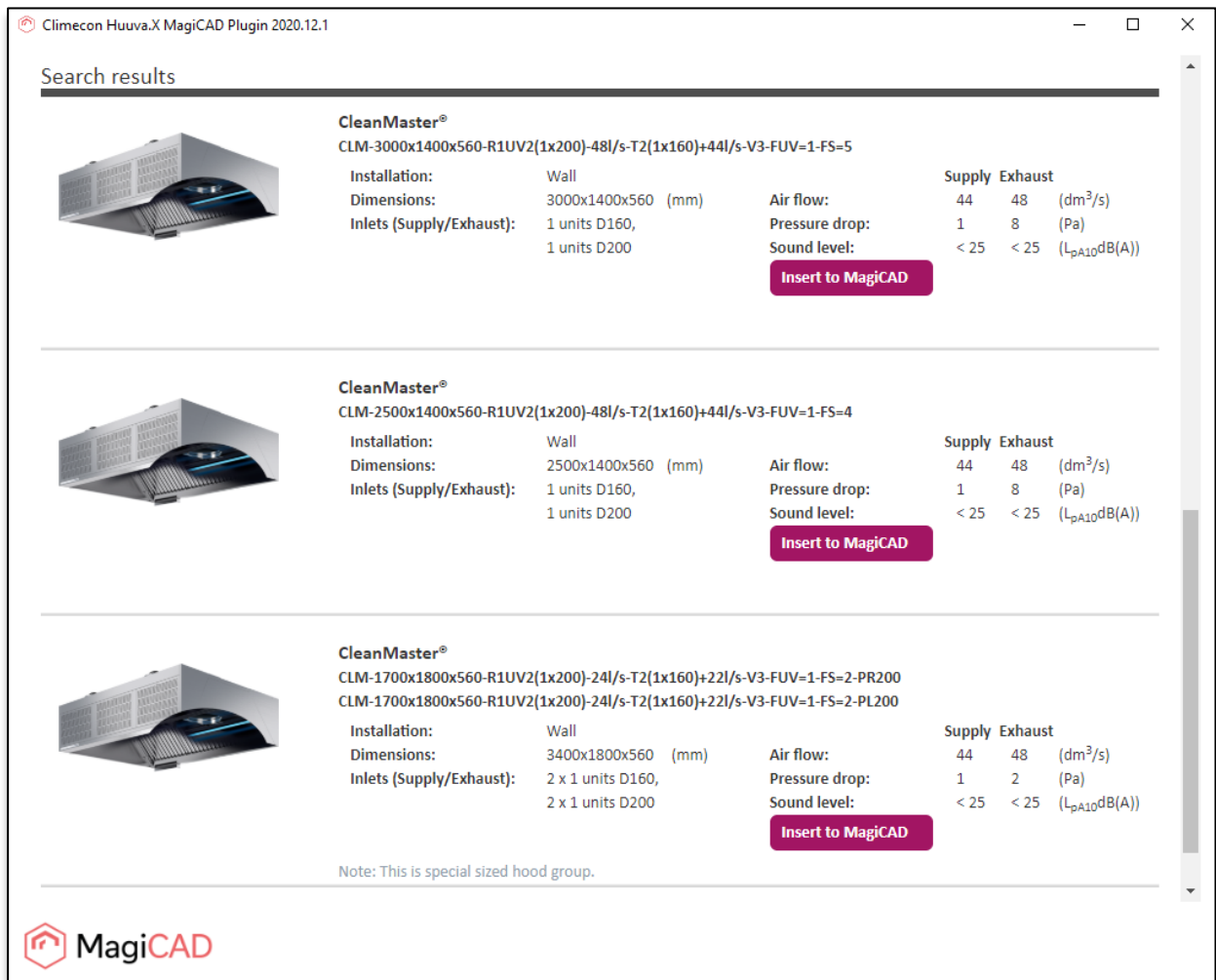
The screenshot shows the 'Climecon Huuva.X MagiCAD Plugin 2020.12.1' window. The main title is 'CLIMECON'. Below it, the section is 'Dimensioning of hoods'. The interface is divided into several panels:

- Product family:** A dropdown menu showing 'CleanMaster®'.
- Installation method:** A dropdown menu showing 'Wall'.
- Air distribution:** Three radio buttons: 'Supply, capture and exhaust air' (selected), 'Capture and exhaust air', and 'Exhaust air only'.
- Dimensioning:** A dropdown menu 'Select the size of the hood'. Below it, a 'Special size' checkbox is checked. Dimensions are: Width: 3000 (mm), Depth: 1400 (mm), Height: 560 (mm).
- Exhaust air flow dimensioning:** A dropdown menu 'Dimensioning based on kitchen equipment'. Below it, 'Device 1:' is shown with 'Type: dishwasher/dome' and 'Power: 3 (kW)'. There is an 'add a device' button. Below that, 'The simultaneity factor:' is 0.80 and the unit is 'dm3/s'. There is a button 'Air flow calculation pdf'.
- Search section:** Three input fields for 'Target', 'Position', and 'Number'. A 'Search »' button and a 'Clear' button are also present.

The MagiCAD logo is visible in the bottom left corner of the window.

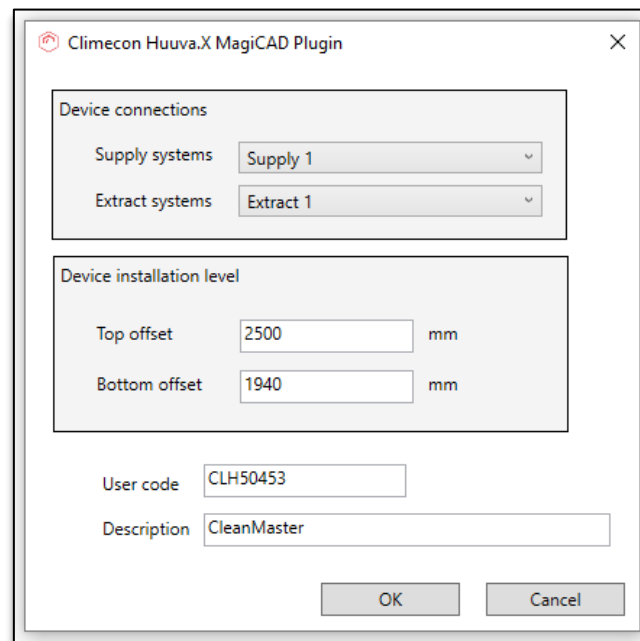
Picture 2 Climecon Huuva.X hood selection tool

- After user has searched for the hood products, the selection tool opens a list of search results. User scrolls down to search results and selects a hood product and starts to insert it to MagiCAD project by selecting the "Insert to MagiCAD" button.



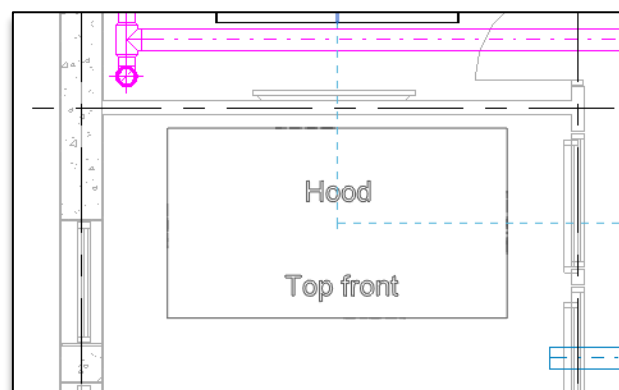
Picture 3 Select hood product to insert from Huuva.X

4. After this plugin opens an insert dialog where user:
 - Selects the supply and extract ventilation systems for the hood product. If hood product does not include supply part then supply system selection is disabled. Note that it's not mandatory to select the systems for the hood product. In this case user may attach the hood to ventilation systems after the product installation.
 - Select the hood product installation level. Values are updated according to hood height.
 - User code and description are generated by the plugin. User may change the values.



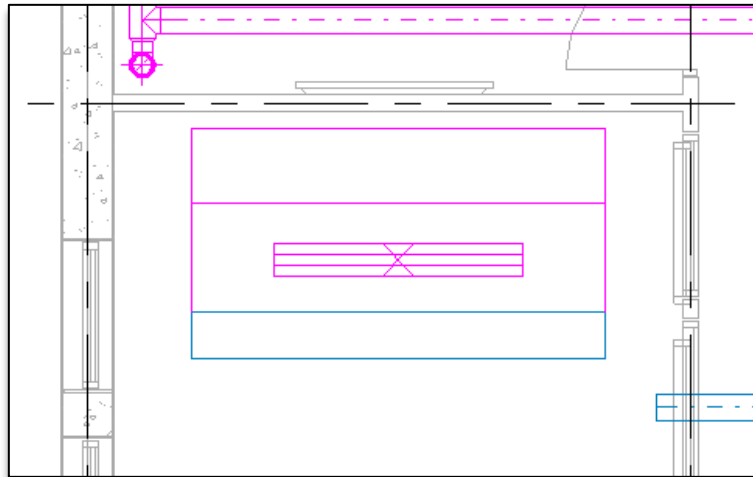
Picture 4 Huuva.X hood product insert dialog

5. User starts the hood product insert in to MagiCAD for Revit or Revit with OK button. First user drags and places one or more hood frames in to project. Frame has the same physical dimensions as the final hood product. Revit instance installation features are used during the installation and it's ended by pushing the keyboard ESC button twice.



Picture 5 Hood frame installed in to project

6. After the frames are inserted and placed in to project, plugin installs the final hood product in to frame positions. Extract and supply parts are in different color.



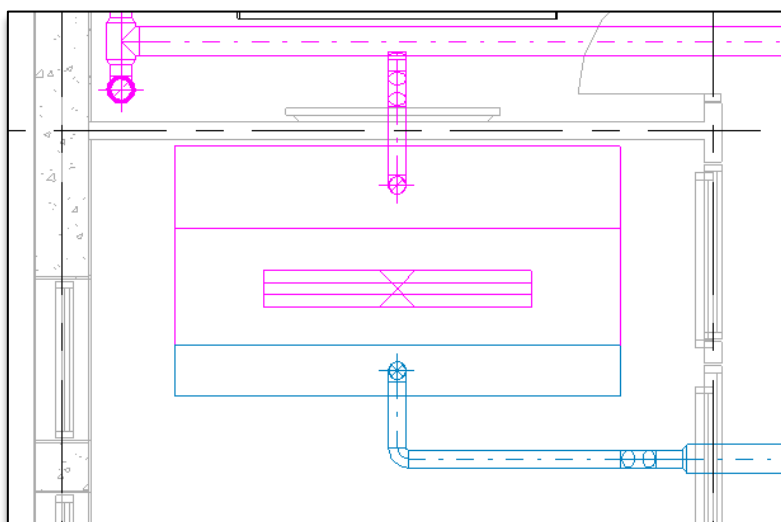
Picture 6 Hood product installed in to project

7. Finally user draws the ducts to hood product and the insert operation is ready.

If hood product is an assembly i.e. contains supply and extract devices or many of these devices then different devices can be selected like this:

- Move the mouse pointer over the assembly device where you want to draw a duct.
- Push TAB button from the keyboard.
- Click the device with left mouse button.

After selecting the supply or extract device from the hood assembly, the selected device is possible to connect with duct without disassembling the hood assembly.



Picture 7 Hood product with supply and extract devices and ducts