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DUPLEX units

Import of IFC models to Revit

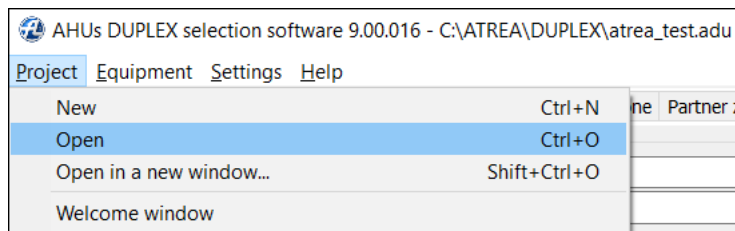
1. Introduction

The selection software for DUPLEX supports two-way communication with the Revit application. This means that DUPLEX ventilation unit models including additional data such as dimensions, air volume rates, external static pressure and heat recovery efficiency rates can be entered in the Revit application. Similarly, EASY box or SMART box models can be uploaded. Versions starting with Revit 2016 and newer are supported.

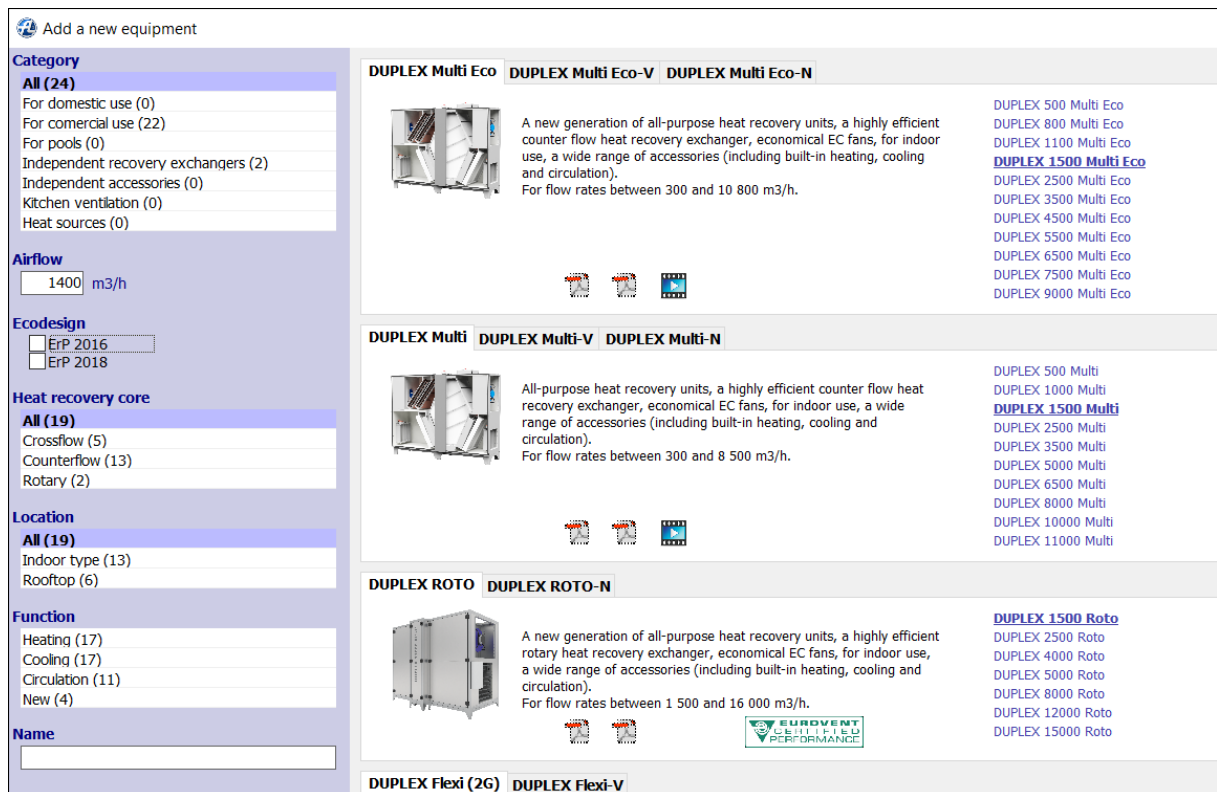
2. Exporting IFC models from Atrea's selection software

IFC models of DUPLEX units can be exported from Atrea's selection software.

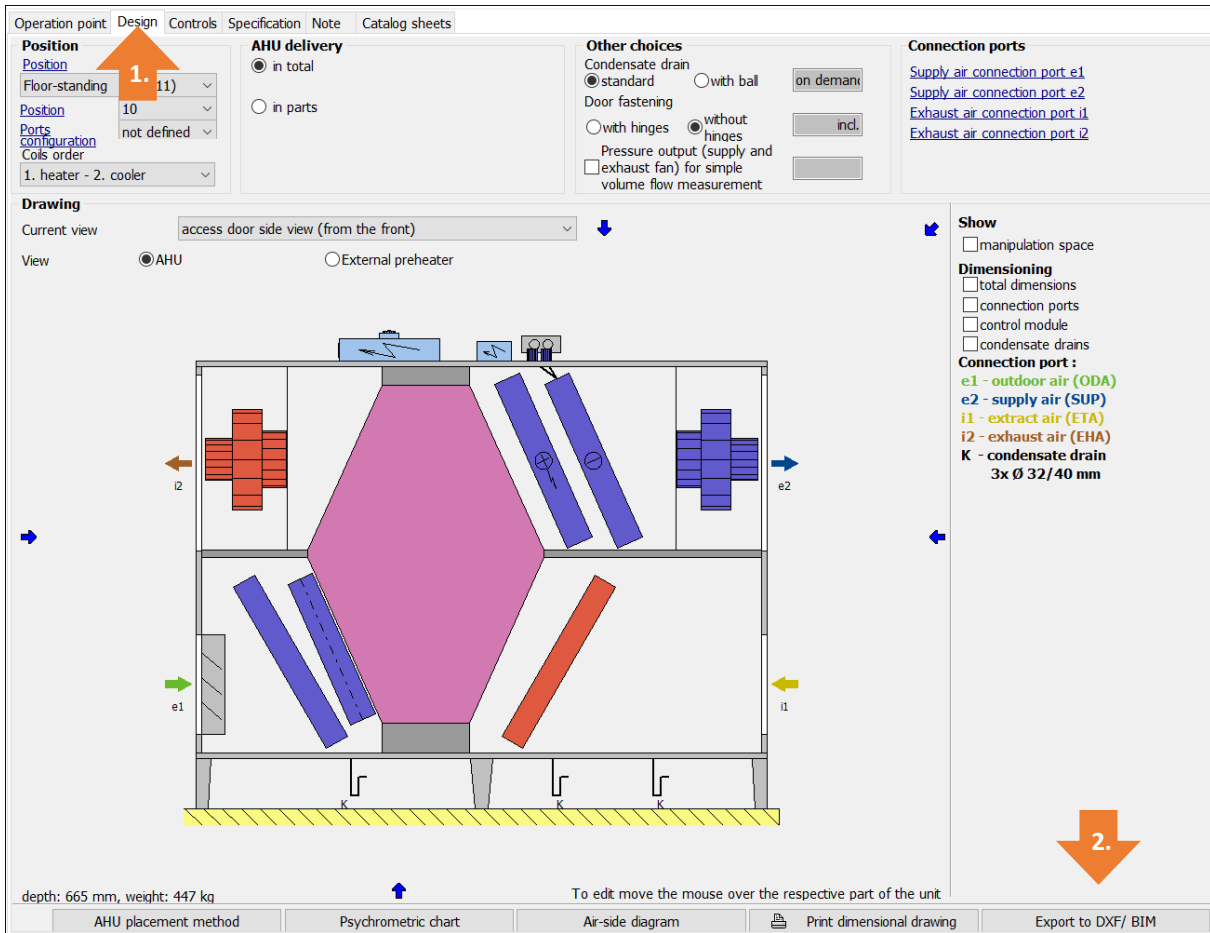
1. Download Atrea's selection software from www.atrea.com/en/duplex-en.
2. Install it.
3. Open a DUPLEX design in Atrea's selection software. Select **Project > Open**; the design file has extension .adu.



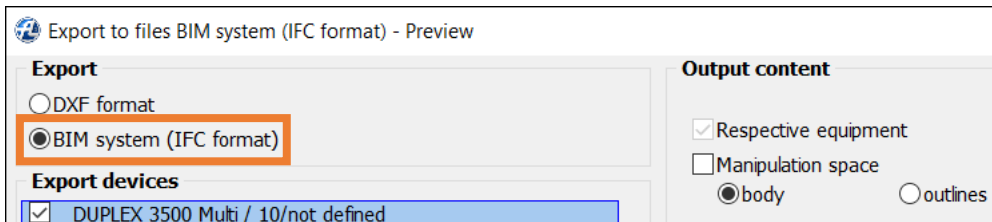
Alternatively, design a DUPLEX unit by selection **Equipment > Add a new equipment**. For the design wizard go to www.atrea.com/en/duplex-en.



4. Select the Design tab > Export to DXF / BIM



5. Select BIM system (IFC format) and confirm your selection. Save the .ifc file created.

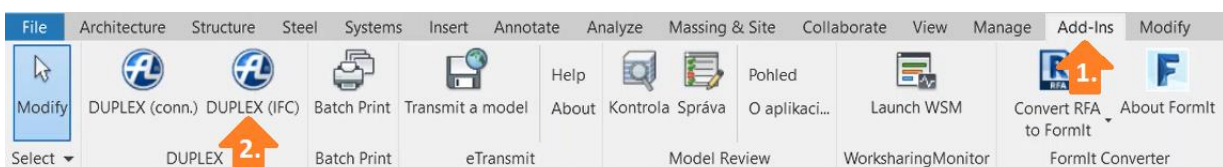


3. Importing IFC models to Revit

DUPLEX unit models in .ifc format can be imported to the Revit application using Atrea's selection software. If you are not using the selection software, ifc models can be imported to Revit using a stand-alone add-in feature.

3.1. Importing IFC models from Atrea's selection software

1. Download Atrea's selection software from www.atrea.com/en/duplex-en and install it.
2. Start-up Autodesk Revit. DUPLEX (con.) and DUPLEX (IFC) add-ins will be newly displayed.
3. Select **Add-Ins > DUPLEX (IFC)**.



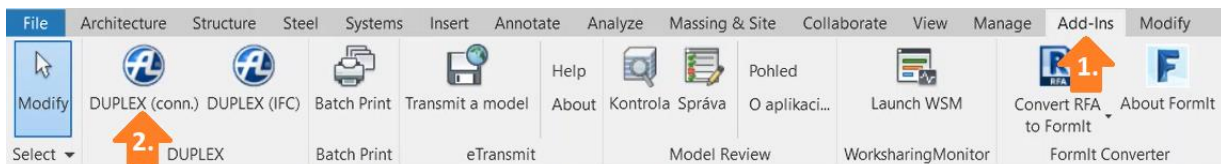
4. Select the DUPLEX unit model saved as an .ifc extension file. The DUPLEX unit including connectors will be imported.
 5. Suitable ductwork can now be connected by using connectors on the unit's ports.
- ! Import IFC models of DUPLEX units in Revit only using the add-in. If an IFC model is imported directly, the imported unit will be without connectors and additional data.

3.2. Importing IFC models without using Atrea's selection software

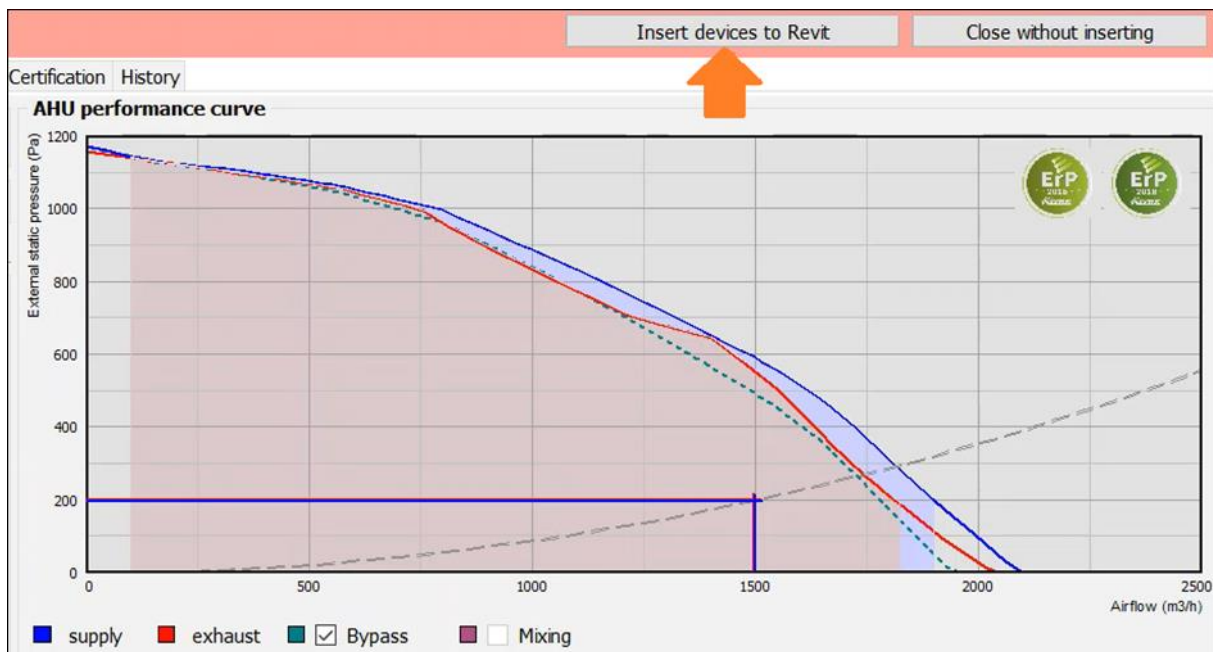
1. Download the *aduforrevit.exe* add-in for Revit from www.atrea.com/en/duplex-en.
2. Install the add-in.
3. In Revit select **Add-Ins** and choose the add-in you have installed.
4. Select the file saved in .ifc format. The DUPLEX unit will be imported including connectors.

3.3. Importing DUPLEX units from Atrea's selection software

1. Download Atrea's selection software from www.atrea.com/en/duplex-en;
2. Install the SW;
3. In Revit select **Add-Ins > DUPLEX (conn.)**. Atrea's selection software will open.



4. Open an existing design or create a new DUPLEX unit design – see chapter 2, step 3.
5. When the design is completed, select Insert devices to Revit.



6. Select which device from the design should be inserted in the Revit application.
7. The DUPLEX unit will be imported including connectors.
8. Suitable ductwork can now be connected via connectors on the unit's ports.