



FläktGroup Revit Plugin

User guide

02/05/2025

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About this document

The purpose of FläktGroup Revit plugin is to use SELECT or Acon directly from MagiCAD for Revit or Revit as a product configurator when adding FläktGroup products into project.

FläktGroup Revit Plugin calls FläktGroup selection software (SELECT/Acon) with input parameters to calculate the device, transfer device geometry, technical data and calculation results from SELECT/Acon into Revit.

Installing the software

Required Revit / MagiCAD version

Revit

- Revit 2023 - 2026

MagiCAD (optional)

- MagiCAD for Revit 2025 with Revit 2023 - 2025
- MagiCAD for Revit 2026 with Revit 2023 - 2026

Installation

1. Ensure that you have required Revit version installed on your computer
2. Install FläktGroup Revit plugin. Installation package can be downloaded from

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

The 64-bit version of the program is installed by running the installation program.
Administrator privileges are recommended for installation.

Information for network administrators:

Plugin requires connection to FläktGroup web site. EO.WebBrowser for .NET is used to browse to the web page. 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.

Starting the program

After running the installation, FläktGroup panel appears in MagiCAD Connect ribbon tab and user can select which type of product to export.

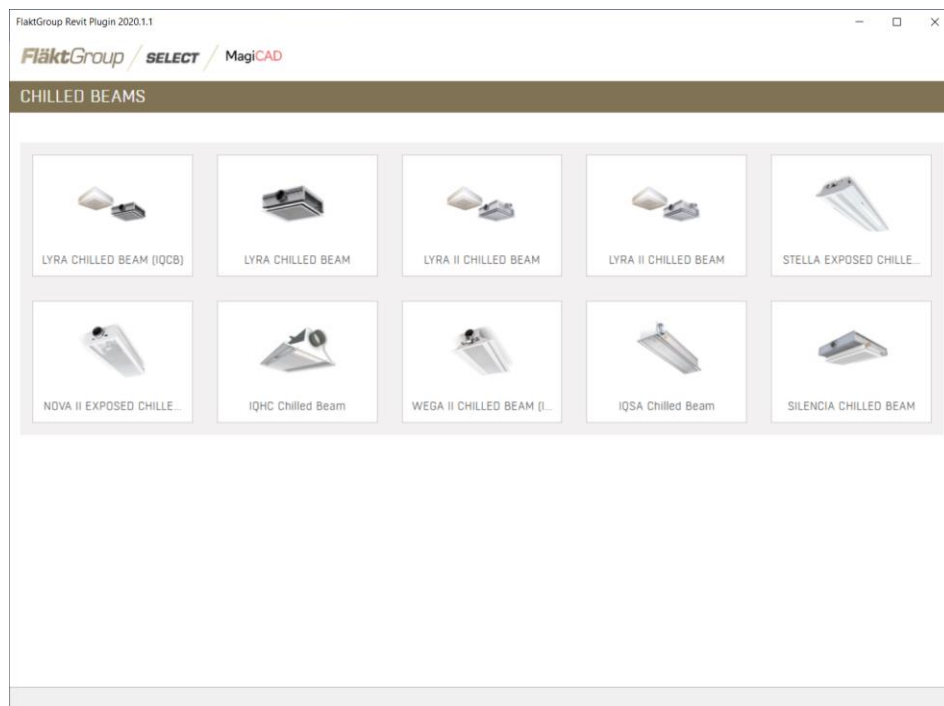


Inserting FläktGroup products from ExSelAir

In order to add FläktGroup beam, click Chilled beam button in FläktGroup panel and SELECT program will open.



1. After SELECT has started, the right chilled beam can be selected from the page.



- The appropriate product variant should be configured on SELECT Calculation page.

FlaktGroup Revit Plugin 2020.1.1

FlaktGroup / **SELECT** / MagiCAD

← CHILLED BEAMS

 **LYRA CHILLED BEAM**
IQCB-060-12-1-06-0_3-3-3-3

[Calculate](#) [Export to Magicad](#)

PROPERTIES	
Length:	60 cm / 2 feet
Coil:	Standard
▶ Nozzle settings	3
Connection diameter:	125
▶ ADVANCED PRODUCT PROPERTIES	

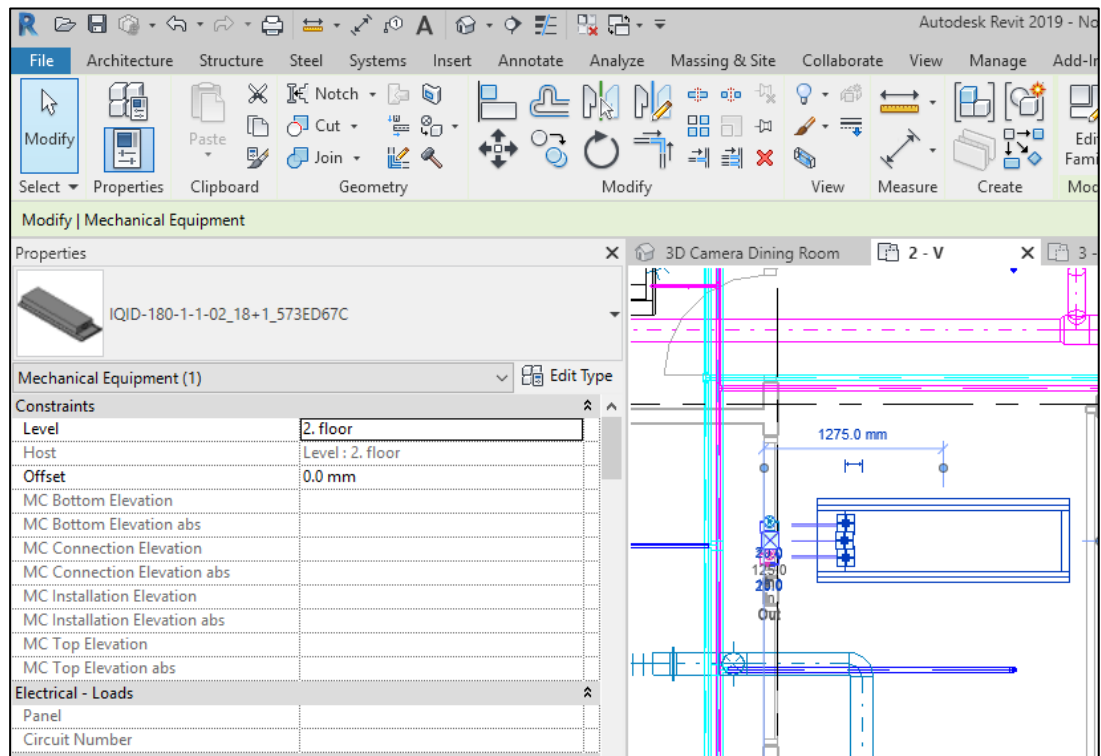
PARAMETERS	
Number of units	1
Air flow Air pressure drop	
Air flow	25 I/s
Air flow (all units)	25 I/s
Water flow Water temp out	
Inlet water temp	14 °C
Inlet water flow	0.05 I/s
Ceiling temp	24.5 °C
Room temp	24 °C
Relative humidity	50 %

RESULT	DESCRIPTION	DOCUMENTS
		*
Power	641 W	
Coil power	506 W	
Supply air power	135 W	
Power (all units)	641 W	
Sound Lp10A dBA	20 dB(A)	
Air flow	25 I/s	
Air flow (all units)	25 I/s	
Total air pressure drop	90 Pa	
Outlet water temp	16.4 °C	
Throw length L02	3.2 m	
Water pressure drop	5.2 kPa	

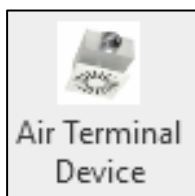
▶ ADDITIONAL RESULT

- Export to MagiCAD button is visible if product is possible to transfer to MagiCAD. After clicking it, the SELECT is closed and the product is exported to MagiCAD.

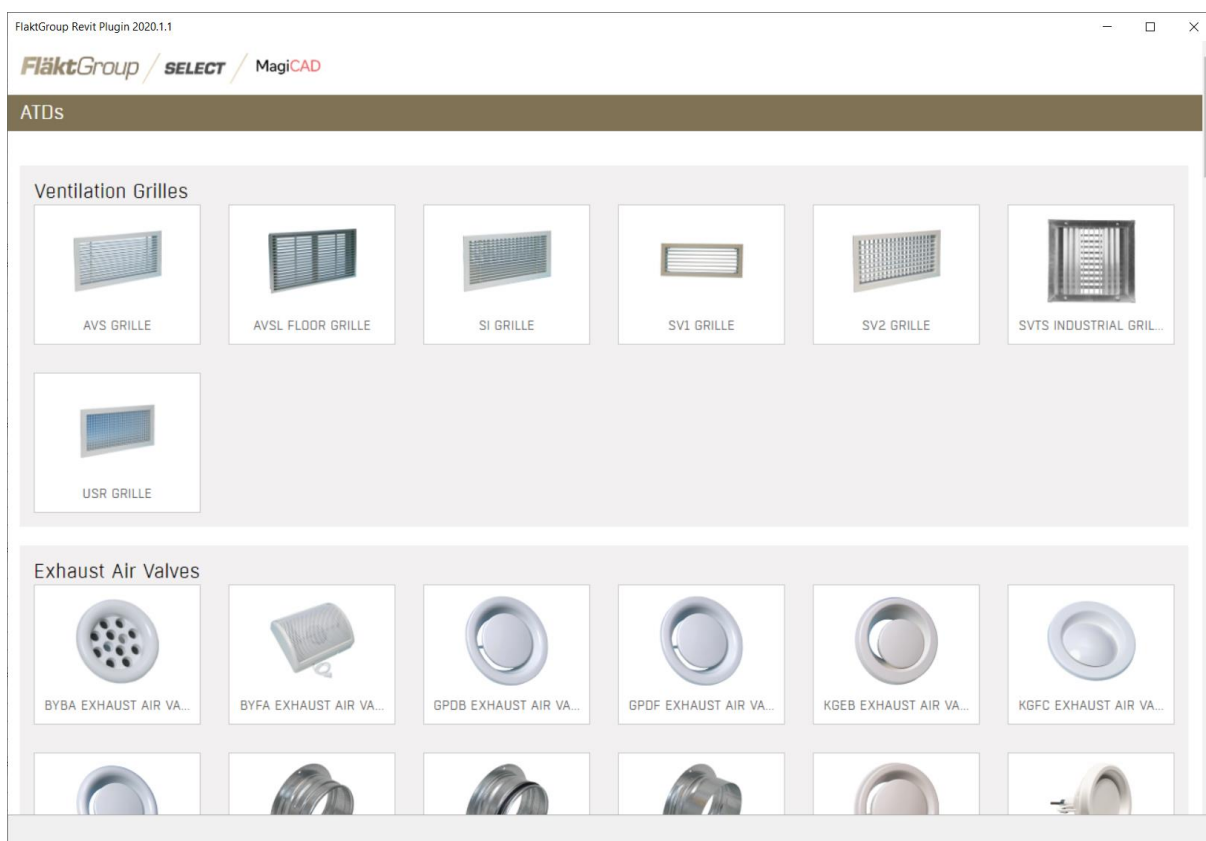
4. Product is now exported to MagiCAD for Revit / Revit and user can continue working with MagiCAD / Revit. E.g. connect it to duct system and view product properties.



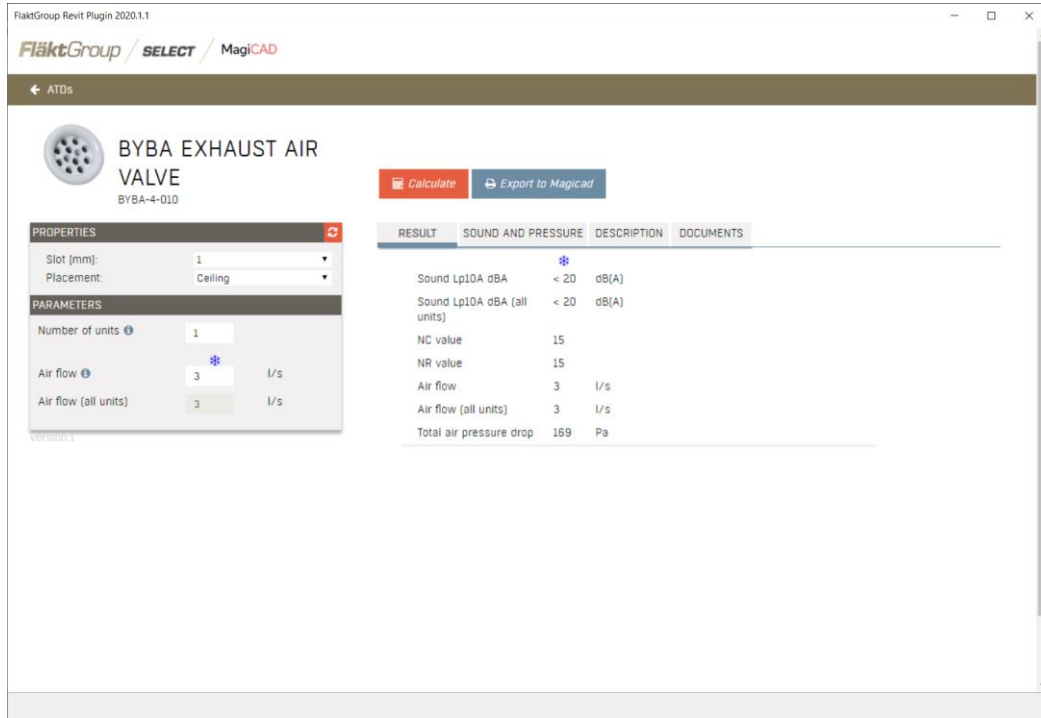
In order to add FläktGroup air terminal device, click Air Terminal Device button in FläktGroup panel and SELECT program will open



1. After SELECT has started, the right air terminal device can be selected from the product page.



- The appropriate product variant should be configured on SELECT Calculation page.



FlaktGroup Revit Plugin 2020.1.1

FlaktGroup / SELECT / MagiCAD

← ATDs

BYBA EXHAUST AIR VALVE
BYBA-4-010

[Calculate](#) [Export to MagiCAD](#)

PROPERTIES

Slot (mm): 1
Placement: Ceiling

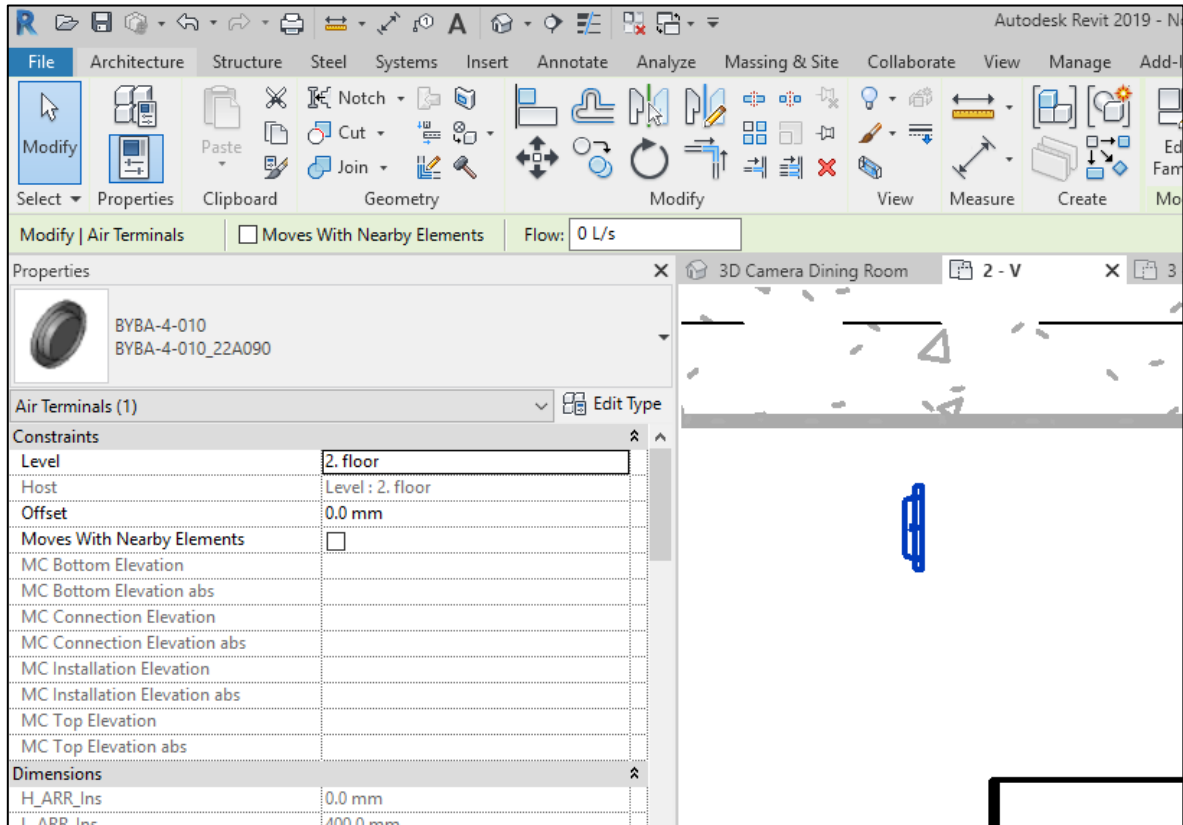
PARAMETERS

Number of units: 1
Air flow: 3 l/s
Air flow (all units): 3 l/s

RESULT	SOUND AND PRESSURE	DESCRIPTION	DOCUMENTS
Sound Lp10A dBA	< 20	dB(A)	
Sound Lp10A dBA (all units)	< 20	dB(A)	
NC value	15		
NR value	15		
Air flow	3	l/s	
Air flow (all units)	3	l/s	
Total air pressure drop	169	Pa	

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

4. Product is now exported to MagiCAD for Revit / Revit and user can continue working with MagiCAD / Revit. E.g. connect it to duct system and view product properties.

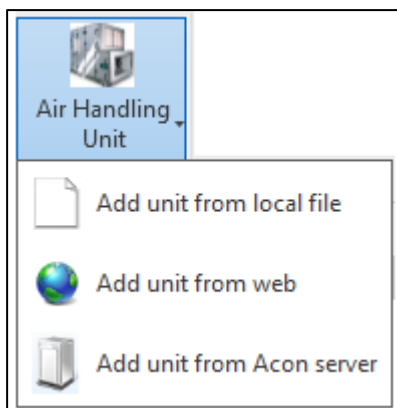


Inserting FläktGroup products from Acon

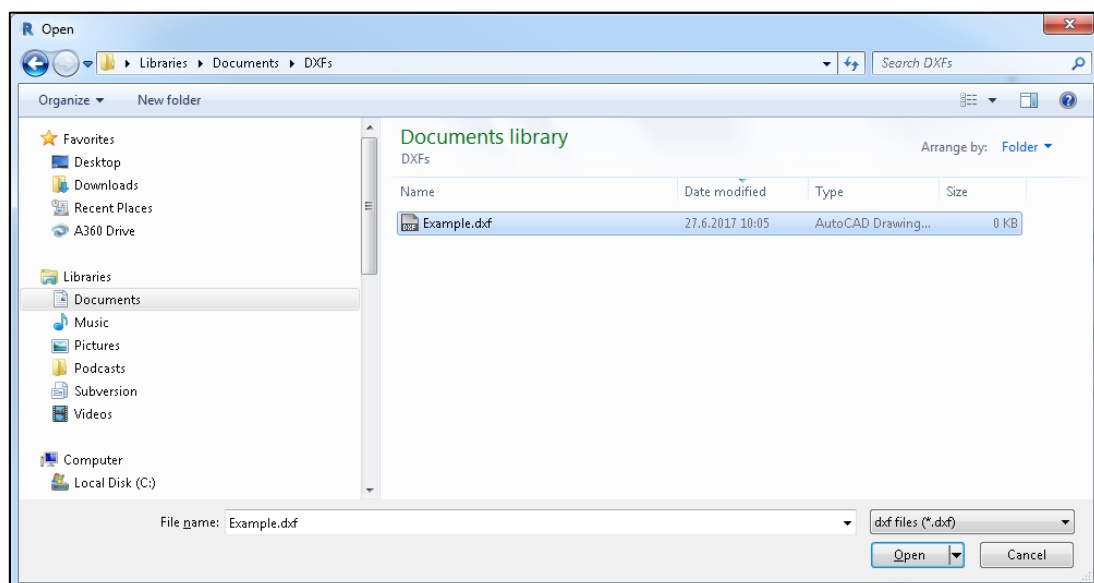
In order to add FläktGroup air handling unit, click Air Handling Unit button in FläktGroup panel.



1. Select how you want to import unit to Revit from options.



2. Add unit from local file. Select unit's dxf-file provided by Acon. Unit must be saved with 3D - option, otherwise Revit cannot read the file.



- 
- FlaktGroup Revit Plugin 2018.6.1
- Enter DXF file URL
- http://
- OK Cancel

- [illegible]

- Unit can be selected from the list. If AHU has also duct component, those can be selected in Block combo.

FlaktGroup Revit plugin 2018.6.1 Acon

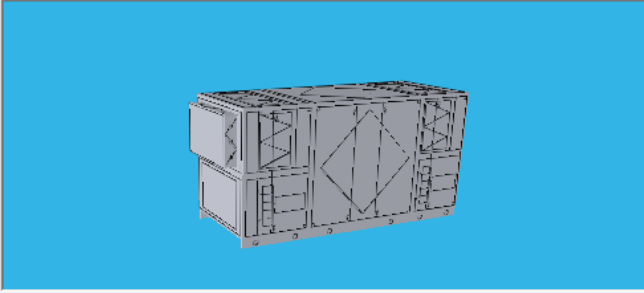
Find project Open unit

Filter

Uid	Unit number	Unit name	Unit type	Unit size	Permissions	Number of...
81				032		6
158		EQ2 test		008		1
199				041		2
258				032		1
292		wefr		068		1
294				068		1
298		Test Thomas EQTL		050		1
221				041		1

Unit

Block 1 Edit in Acon



Unit type	eQ, s/e air							
Unit size	32							
octave band	63	125	250	500	1k	2k	4k	8k
To surroundings	63	60	71	53	52	49	43	39 dB
Total	63 dB(A)							
free text	free text free text							
Duct connection outdoor								
Dimensions	1400x900 mm							

Set unit as mechanical equipment for following systems

Outdoor 1 Undefined

Outdoor 2

Supply 1 Undefined

Supply 2

Extract 1 Undefined

Extract 2

Exhaust 1 Undefined

Exhaust 2

Details

☒ Unit

☒ Functions

☒ Symbols

☒ Pipes

OK Cancel

After selections, click Ok and insert Ahu to Revit. Product is now exported to MagiCAD for Revit / Revit and user can continue working with MagiCAD / Revit. E.g. connect it to duct system and view product properties.