



FläktGroup MagiCAD Cloud Plugin for AutoCAD

10/09/2026

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About this document

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

FläktGroup MagiCAD Plugin is an AutoCAD ARX application which calls FläktGroup 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.

Installing the software

Required MagiCAD version

FläktGroup MagiCAD Plugin works with the following MagiCAD and AutoCAD versions

- MagiCAD 2026 and AutoCAD 2023-2026
- MagiCAD 2027 and AutoCAD 2023-2027

Installation

1. Ensure that you have required MagiCAD and AutoCAD versions installed on your computer
2. Install FläktGroup MagiCAD Plugin

Plugin (64-bit) can be downloaded from

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

Run the FläktGroup MagiCAD plug-in installer on your workstation

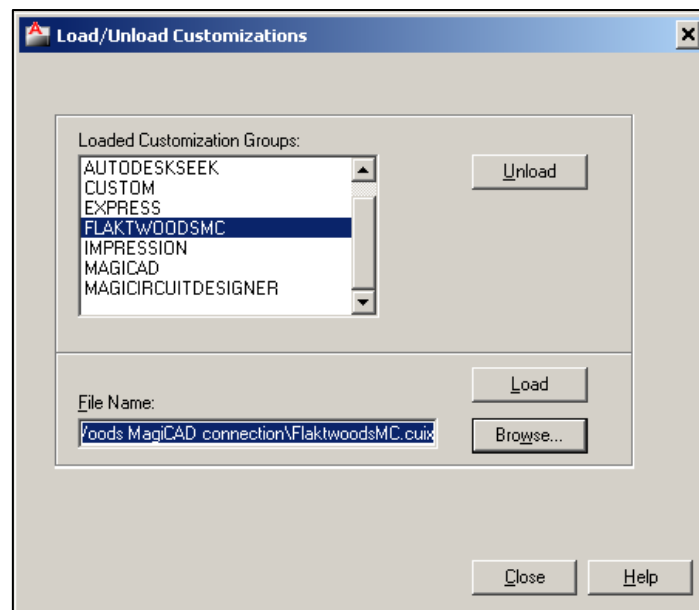
Administrator privileges are recommended for installation.

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

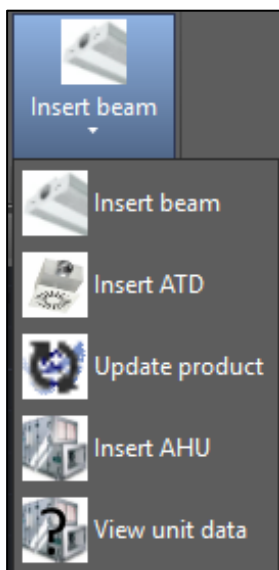
Starting the program

Before you start using *FläktGroup MagiCAD Plugin*, start MagiCAD and open or create a new Ventilation & Piping project.

The uninstallation of the older plugin versions (2026.6.1 or older) does not remove the customization file (CUIX) from AutoCAD. Run the CUILOAD (or MENULOAD) in AutoCAD, and unload the FläktGroup menu customization file from the AutoCAD (if present). Plugin will create the ribbon panel and button programmatically so separate customization file is not needed.



FläktGroup panel and split button should be visible automatically after the AutoCAD start-up. The panel and button is located in MagiCAD Connect tab.



Information for the network administrators:

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

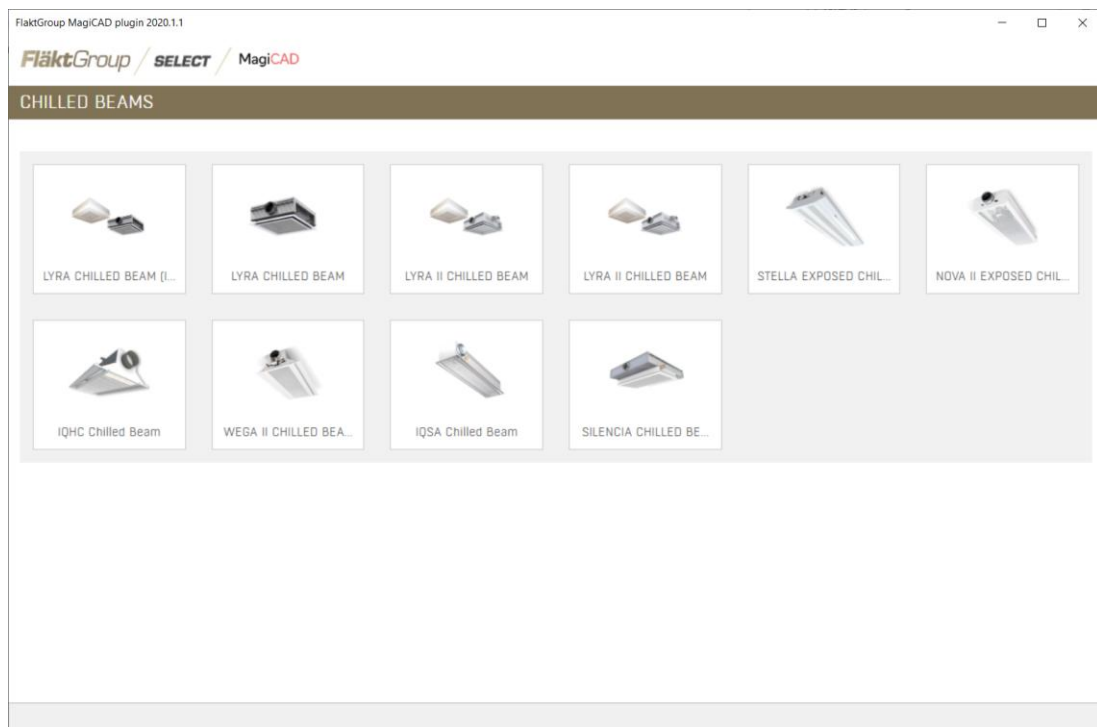
Standard HTTP GET (TCP, default port 80 should be used) method is used to retrieve files from the server. GET response includes file (mime application/octet-stream). Your network firewall should allow such connections.

Inserting cooling beam

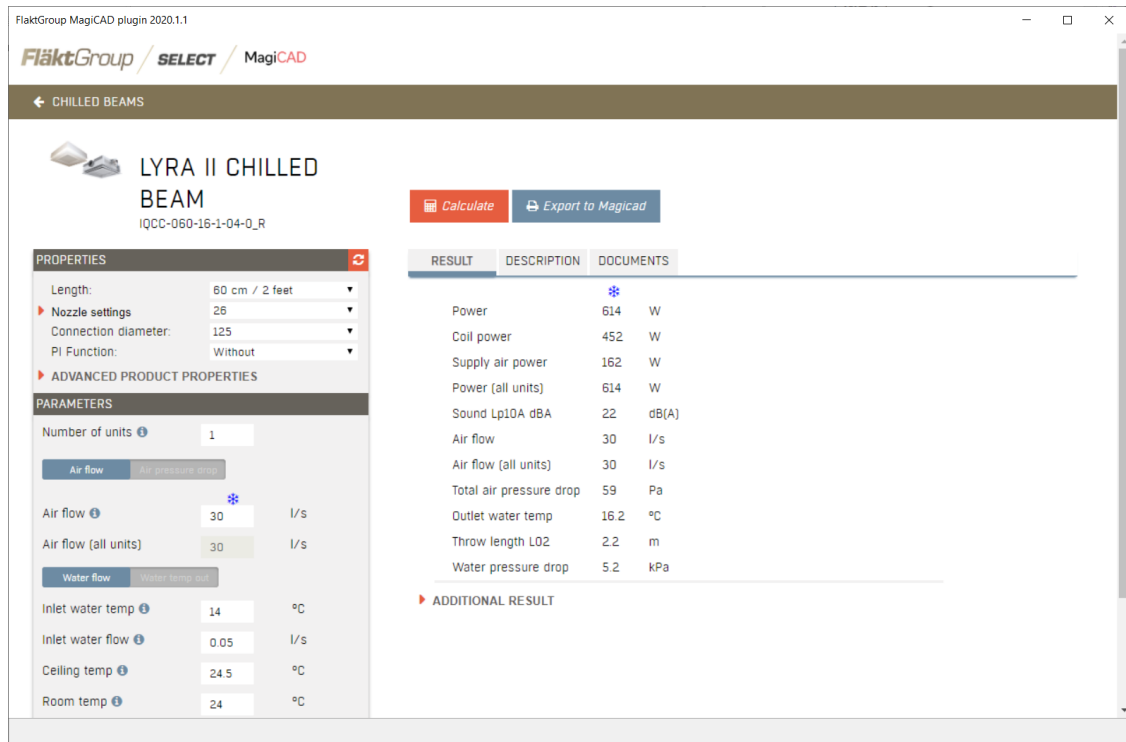
1.



Select Insert beam button or use AutoCAD command line command **FLAKTEXSELAIRBEAM** to start Select program. 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 MagiCAD plugin 2020.1.1

FlaktGroup / SELECT / MagiCAD

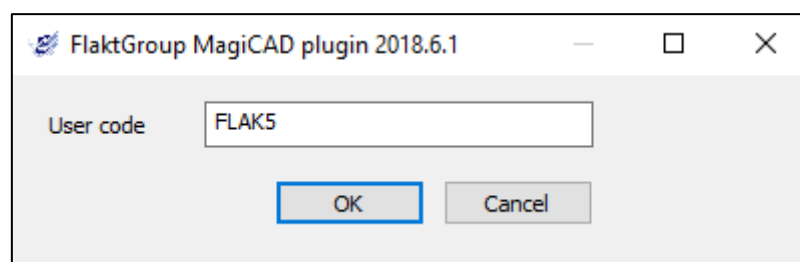
← CHILLED BEAMS

LYRA II CHILLED BEAM
IQCC-060-16-1-04-0_R

Calculate **Export to MagiCAD**

PROPERTIES	RESULT	DESCRIPTION	DOCUMENTS
Length: 60 cm / 2 feet			
Nozzle settings: 26			
Connection diameter: 125			
PI Function: Without			
ADVANCED PRODUCT PROPERTIES			
PARAMETERS			
Number of units: 1			
Air flow Air pressure drop			
Air flow: 30 l/s	Power	614	W
Air flow (all units): 30 l/s	Coil power	452	W
Water flow Water temp. diff.			
Inlet water temp: 14 °C	Supply air power	162	W
Inlet water flow: 0.05 l/s	Power (all units)	614	W
Ceiling temp: 24.5 °C	Sound Lp10A dBA	22	dB(A)
Room temp: 24 °C	Air flow	30	l/s
	Air flow (all units)	30	l/s
	Total air pressure drop	59	Pa
	Outlet water temp	16.2	°C
	Throw length L02	2.2	m
	Water pressure drop	5.2	kPa
ADDITIONAL RESULT			

- Export to MagiCAD -button is enabled if product is possible to transfer to MagiCAD.
- Before product is inserted to MagiCAD drawing/project, user is asked to give user code for the product.

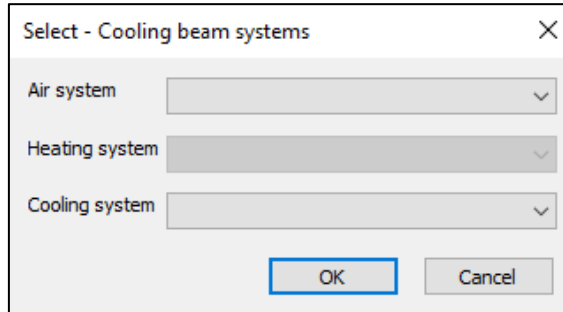


FlaktGroup MagiCAD plugin 2018.6.1

User code:

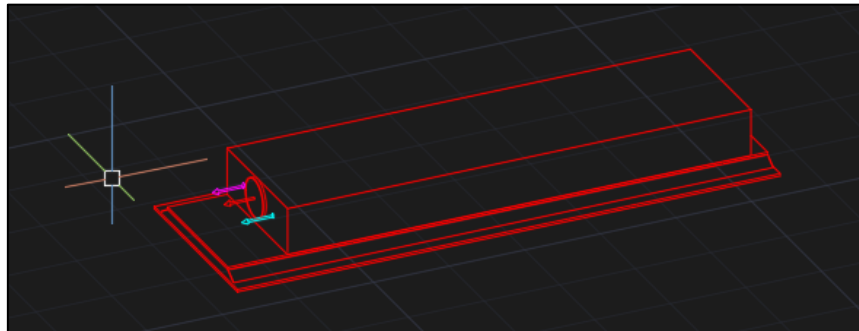
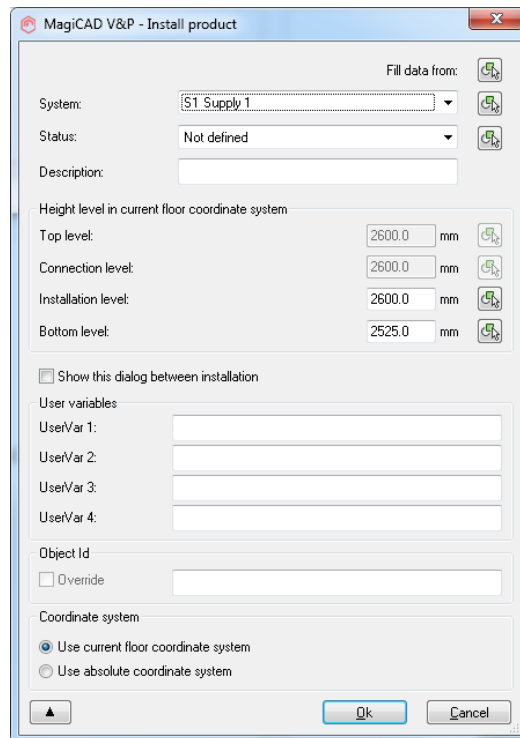
OK **Cancel**

5. After this user needs to select the right systems for the product.



A dialog box titled "Select - Cooling beam systems" with a close button (X) in the top right corner. It contains three dropdown menus labeled "Air system", "Heating system", and "Cooling system". At the bottom, there are "OK" and "Cancel" buttons.

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

A dialog box titled "MagiCAD V&P - Install product". It contains the following fields and options:

- System:** S1 Supply 1 (dropdown)
- Status:** Not defined (dropdown)
- Description:** (text field)
- Height level in current floor coordinate system:**
 - Top level: 2600.0 mm
 - Connection level: 2600.0 mm
 - Installation level: 2600.0 mm
 - Bottom level: 2525.0 mm
- ☐ Show this dialog between installation
- User variables:**
 - UserVar 1: (text field)
 - UserVar 2: (text field)
 - UserVar 3: (text field)
 - UserVar 4: (text field)
- Object Id:**
 - ☐ Override (text field)
- Coordinate system:**
 - ☒ Use current floor coordinate system
 - ☐ Use absolute coordinate system

Buttons: "OK" and "Cancel".

Inserting air terminal device



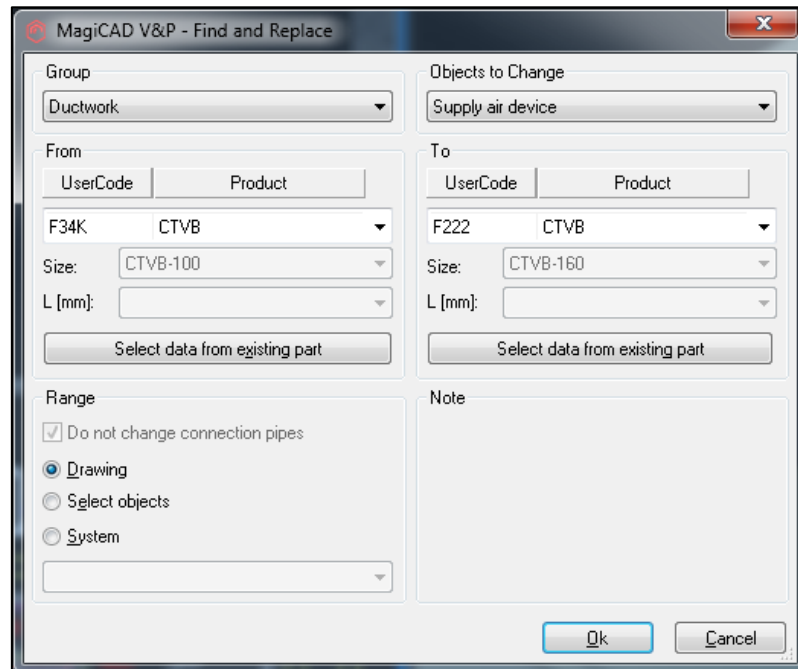
Select Insert ATD button or use AutoCAD command line command *FLAKTEXSELAIRATD* to start Select program. Insert ATD works in a same way as cooling beam insert operation.

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

Updating Select product



1. Select Insert beam button or use AutoCAD command line command *FLAKTEXSELAIRUPDATE* 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.

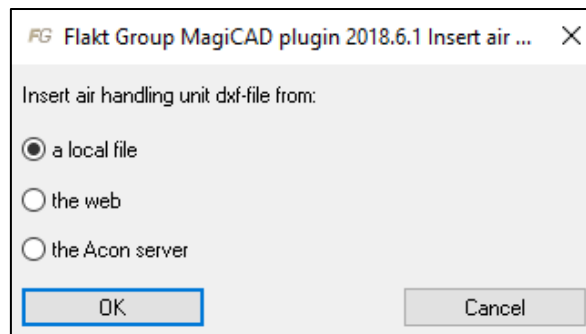


Select *Range* you want to make the update in.

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

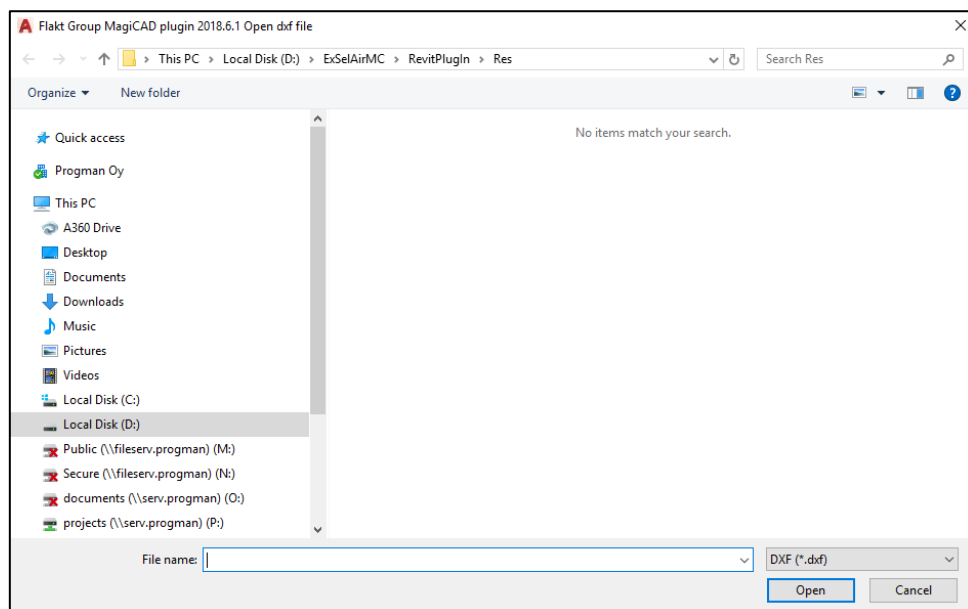
Inserting air handling unit

1.  Select button or use AutoCAD command line command *FLAKT_ACON_INSERT* to start inserting FläktGroup air handling unit which is created in FläktGroup configurator (Acon) to MagiCAD. The following dialog opens up.

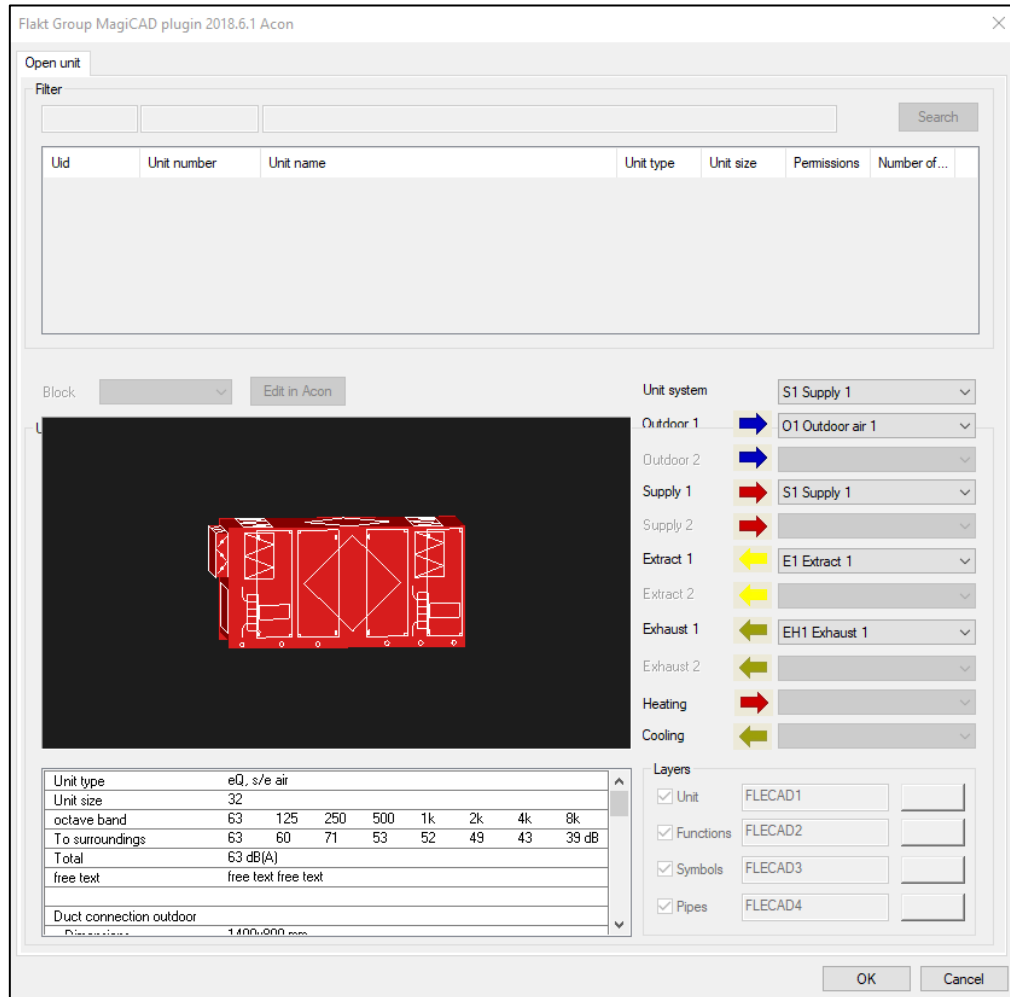


2. Insert air handling unit DXF file from a local file

Open DXF file which you have exported from FläktGroup 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)



Flakt Group MagiCAD plugin 2018.6.1 Acon

Open unit

Filter

Uid	Unit number	Unit name	Unit type	Unit size	Permissions	Number of...

Block

Unit system: S1 Supply 1

Outdoor 1: O1 Outdoor air 1

Outdoor 2:

Supply 1: S1 Supply 1

Supply 2:

Extract 1: E1 Extract 1

Extract 2:

Exhaust 1: EH1 Exhaust 1

Exhaust 2:

Heating:

Cooling:

Layers

☒ Unit: FLECAD1

☒ Functions: FLECAD2

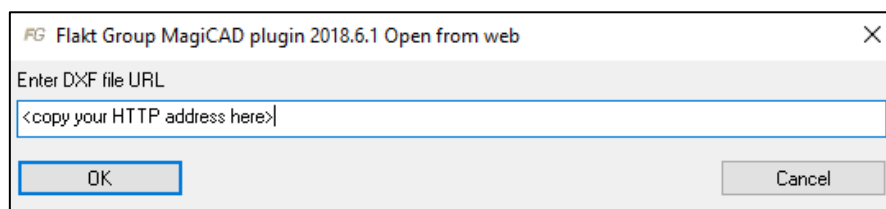
☒ Symbols: FLECAD3

☒ Pipes: FLECAD4

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	1.400x.800 mm

OK Cancel

- Inset air handling unit DXF file from the web.
Give link address to field



FG Flakt Group MagiCAD plugin 2018.6.1 Open from web

Enter DXF file URL

<copy your HTTP address here>

OK Cancel

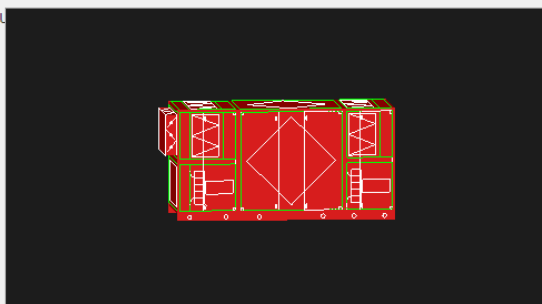
Flakt Group MagiCAD plugin 2018.6.1 Acon

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
331				041		1

Block 1 Edit in Acon



Unit system S1 Supply 1

Outdoor 1 O1 Outdoor air 1

Outdoor 2

Supply 1 S1 Supply 1

Supply 2

Extract 1 E1 Extract 1

Extract 2

Exhaust 1 EH1 Exhaust 1

Exhaust 2

Heating

Cooling

Layers

☒ Unit FLECAD1

☒ Functions FLECAD2

☒ Symbols FLECAD3

☒ Pipes FLECAD4

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 1400x600 mm

OK Cancel

View unit data



Select button or use AutoCAD command line command *FLAKT_ACON_DATA* to view unit data of the AHU.

Flakt Group MagiCAD plugin 2018.6.1 Acon

Open unit

Filter

Ulid	Unit number	Unit name	Unit type	Unit size	Permissions	Number of...

Block: 1 Edit in Acon



Unit system: S1 Supply 1

Outdoor 1: → O1 Outdoor air 1

Outdoor 2: →

Supply 1: → S1 Supply 1

Supply 2: →

Extract 1: ← E1 Extract 1

Extract 2: ←

Exhaust 1: ← EH1 Exhaust 1

Exhaust 2: ←

Heating: →

Cooling: ←

Layers

☒ Unit: FLECAD1

☒ Functions: FLECAD2

☒ Symbols: FLECAD3

☒ Pipes: FLECAD4

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	
Discussion	1.400.000 mm

OK Cancel