Lindab MagiCAD plugin for AutoCAD

User guide

17/02/2021

MagiCAD

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About this document

This document is user guide for using Lindab MagiCAD plugin for AutoCAD. With plugin users is able to transfer devices from LindQST to MagiCAD for Revit application. The benefits are that you can use Lindabs advanced calculation and presentation methods in LindQST application.

The plugin supports also silencer transferring between DIMsilencer and MagiCAD for AutoCAD applications.

Installation

Requirements

To be able to use the plugin between the Lindab LindQST Software and MagiCAD for AutoCAD you need to have:

AutoCAD
- AutoCAD 2017 - 2022

MagiCAD (optional)
- MagiCAD for AutoCAD 2021 (with AutoCAD 2017 - 2021)
- MagiCAD for AutoCAD 2022 (with AutoCAD 2017 - 2022)

The 64-bit installer can be downloaded from:

https://portal.magicad.com/download/ProductSearch?searchStr=Lindab&categoryId=3

NOTE: You need to have local administrator rights to install the plugin on your computer.

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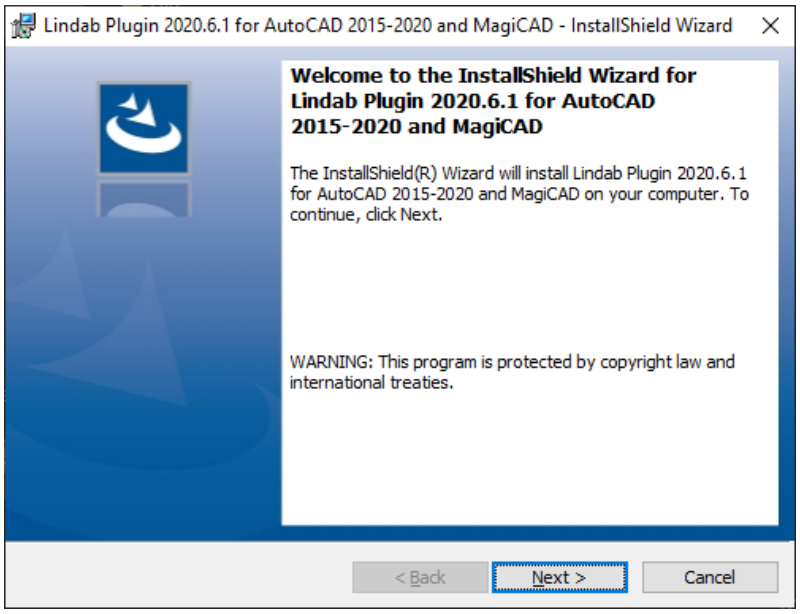
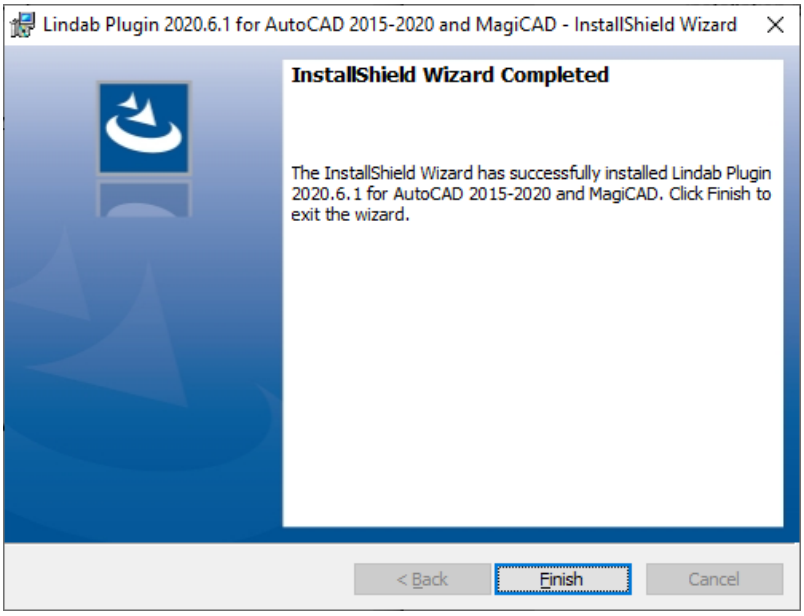


The installation Wizard will guide you through the installation; we recommend selecting the suggested installation paths.



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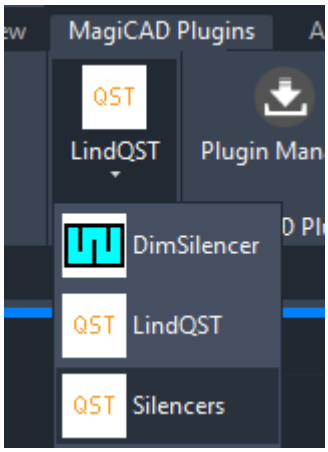
Starting the program

Now you can install the Lindab DIMsilencer software.

DIMsilencer: http://www.lindab.com/global/pro/downloads/software/ventilation/pages/dimsilencer.aspx

Using the features of the plugin:



Start a project on AutoCAD and select the “MagiCAD Plugins” tab.

Connection to DIMsilencer

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Connection to LindQST (Webbased Comfort Selection Tool)

Connection to LindQST for silencers (Webbased Comfort Selection Tool)

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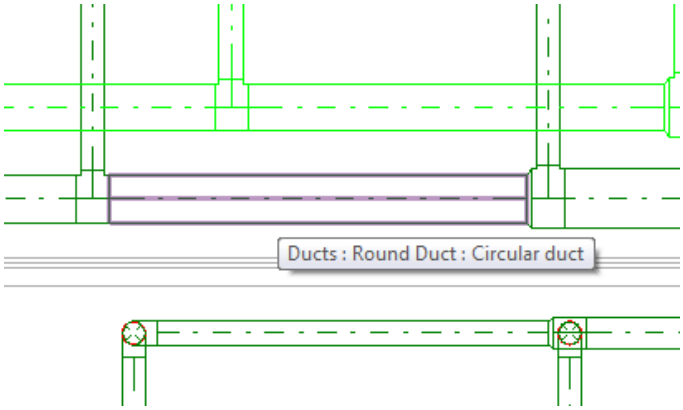
DIMsilencer

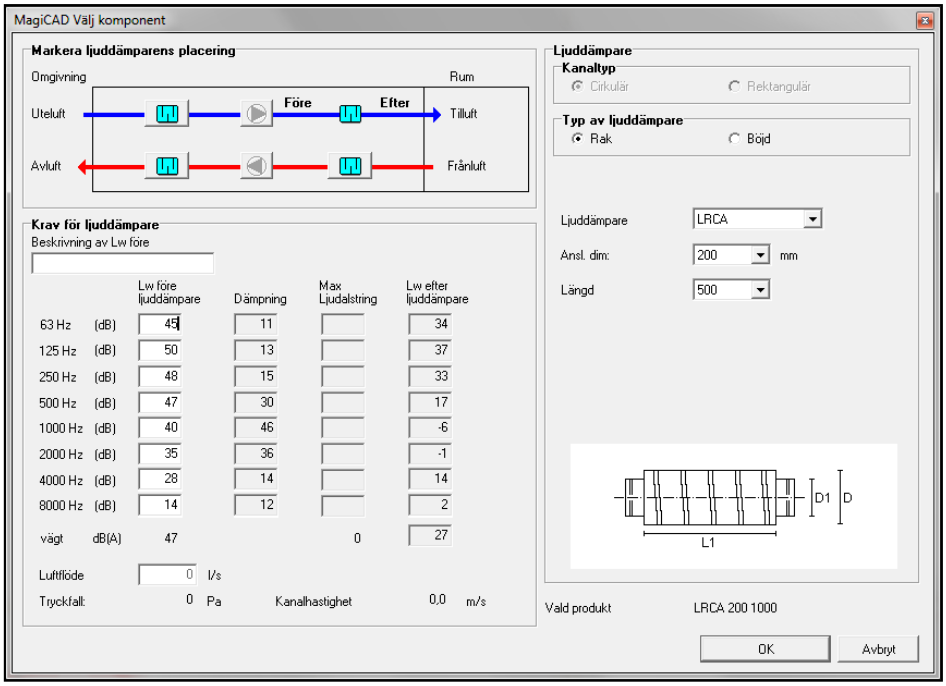
In DIMsilencer you can select Lindab silencers. DIMsilencer is an advanced software to state requirements, calculate results and compare Lindab silencers with each other are of great benefit to detect and solve sound problems in your duct design. Especially the possibility to use parametrical, will say non-standard sizes, for rectangular silencers and transfer them to MagiCAD are unique.

Push the DIMsilencer button and select the circular or rectangular duct for which you want to calculate and insert a silencer.



DIMsilencer will now open and you can enter the sound values before the silencer and the designated result after the silencer.

If you ran flow summation in MagiCAD before, the airflow will be transferred as well to calculate the sound generation; otherwise you can enter these values also manually.



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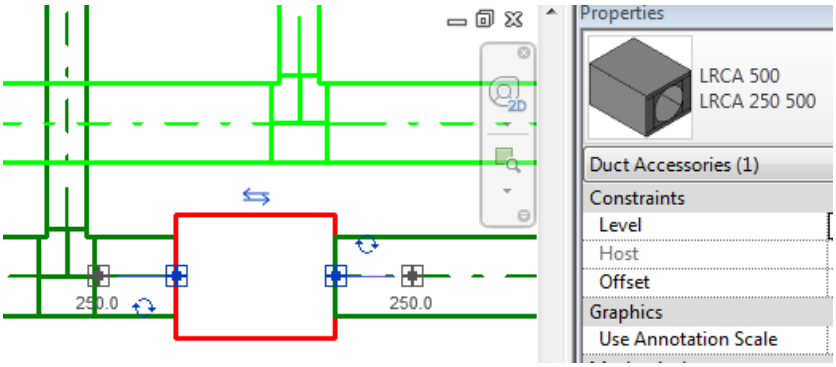
When you selected a silencer you press the”OK”-button. DIMsilencer will then close and MagiCAD dialog asks you to state a User Code.

In the last step you click on the duct you want to insert your silencer into. You can even select larger or smaller ducts than the size of the selected silencer. MagiCAD will in this case insert reductions automatically.



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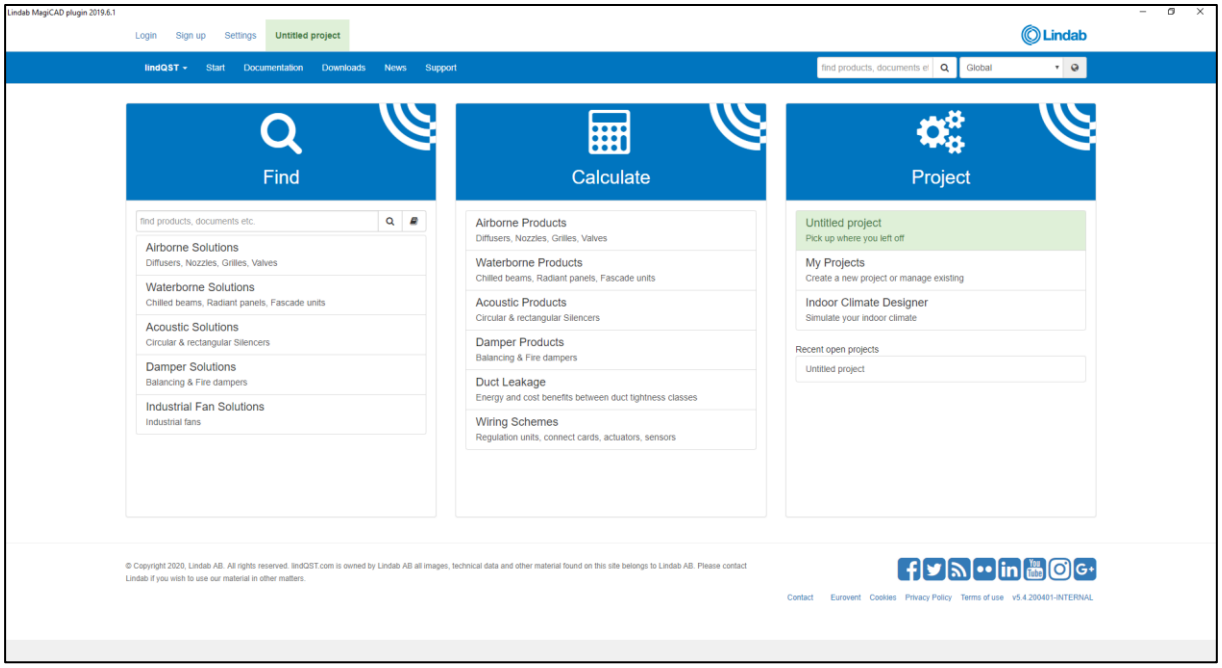
LindQST

LindQST is a webbased selection tool for Lindabs Comfort product range including documentation.



Push the LindQST button in MagiCAD to open a plugin browser and start LindQST.

NOTE: You must start LindQST with the button in AutoCAD to be able to use the transfer function into MagiCAD for AutoCAD.

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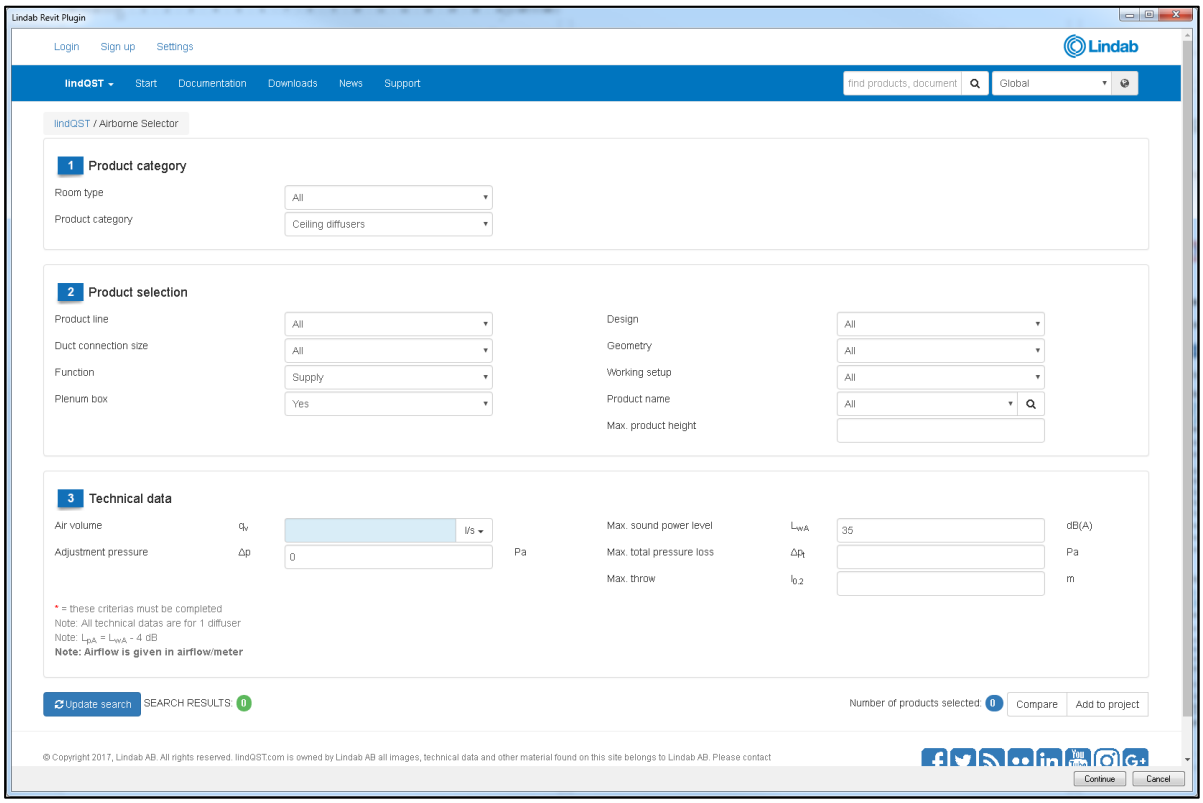
Example for a diffuser selection

1. Select a Airborne Solutions or find suitable products with search

2. Select a product or define the search parameters for the diffuser you want to select. Enter the technical requirements, but at least airflow and sound.



NOTE: the more parameter you define the quicker and more selective the calculations will work.

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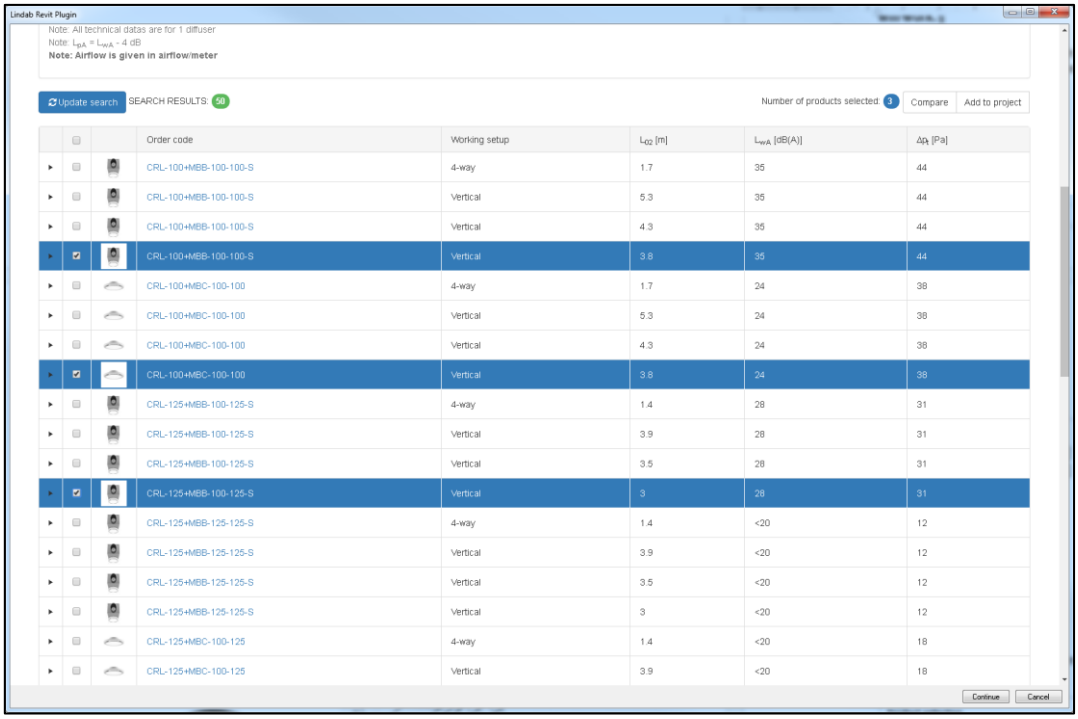
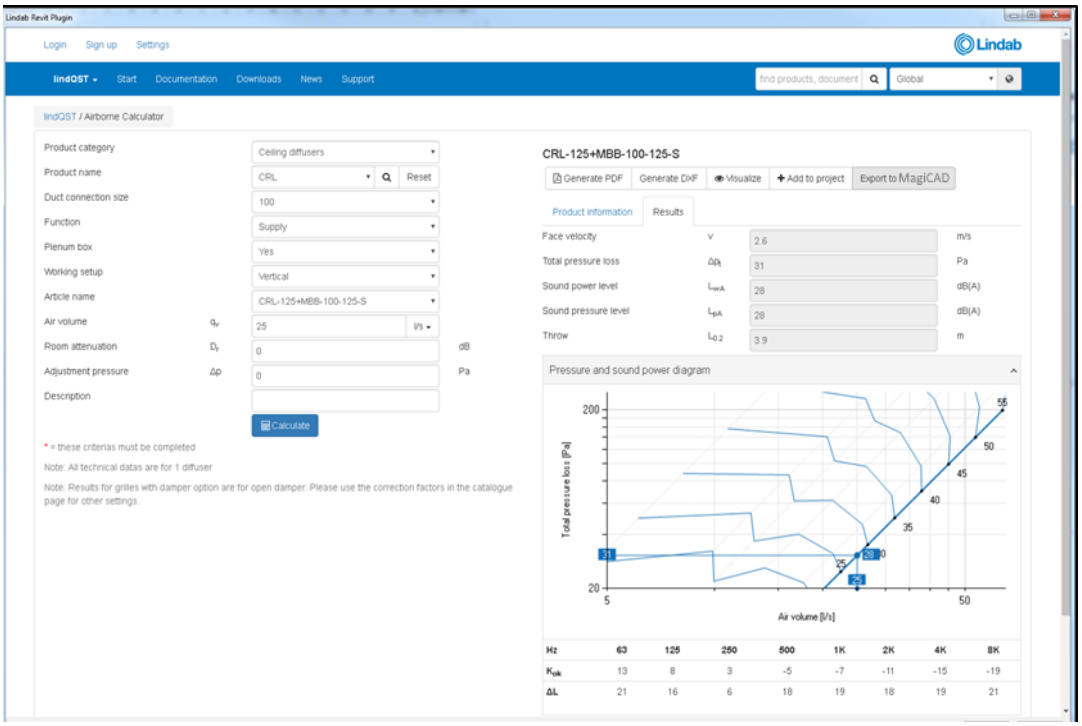
3. LindQST calculates all diffusers which fulfill the requirements. Push on”Update Search” to get a list of calculated diffusers. In the selection you can even compare 2 or more products to each other for detailed information.



4. Select a diffuser to get a detailed report including the”Export to MagiCAD” button.



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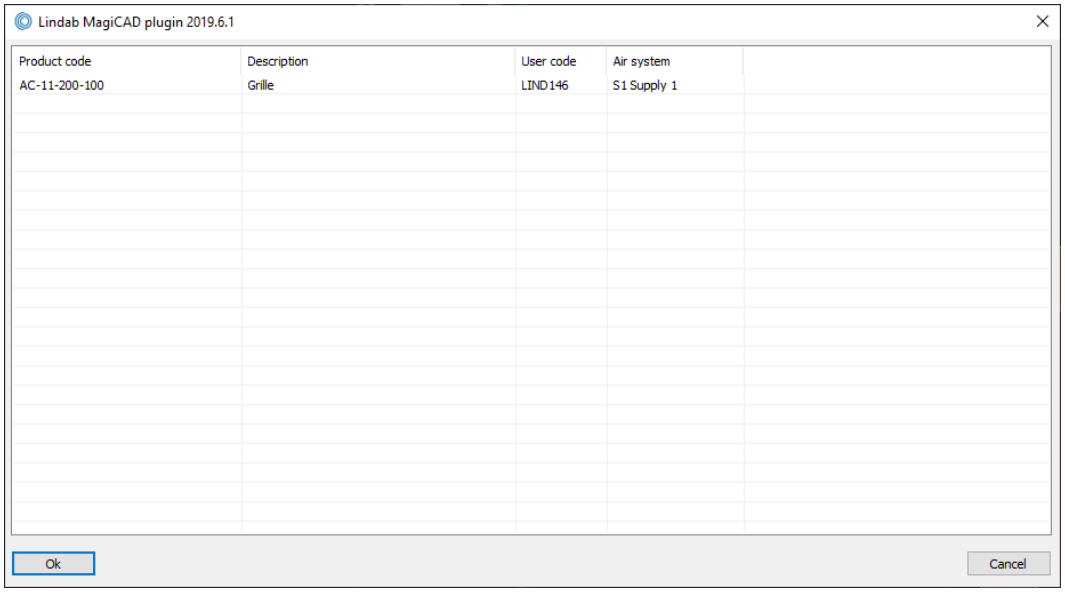
5. Insert the product into the AutoCAD project (with MagiCAD)
   If plugin is used together with MagiCAD plugin adds the selected product to the MagiCAD project at first. Therefore user code and air system is asked from designer in the following dialog:



   Then installation point of product is requested to shown at the plan.

LindQST for silencers

LindQST is a web based selection tool for Lindabs Comfort product range including documentation.

Push the “LindQST for silencers” button in AutoCAD to open a web browser and point out duct where silencer will be installed to. If user selects some duct, dimensions and sound data values are transferred to LindQST. User can continue also without pointing out the duct but then the values are not transferred to LindQST.

Plugin directs user to Silencer Calculator in Lindqst:

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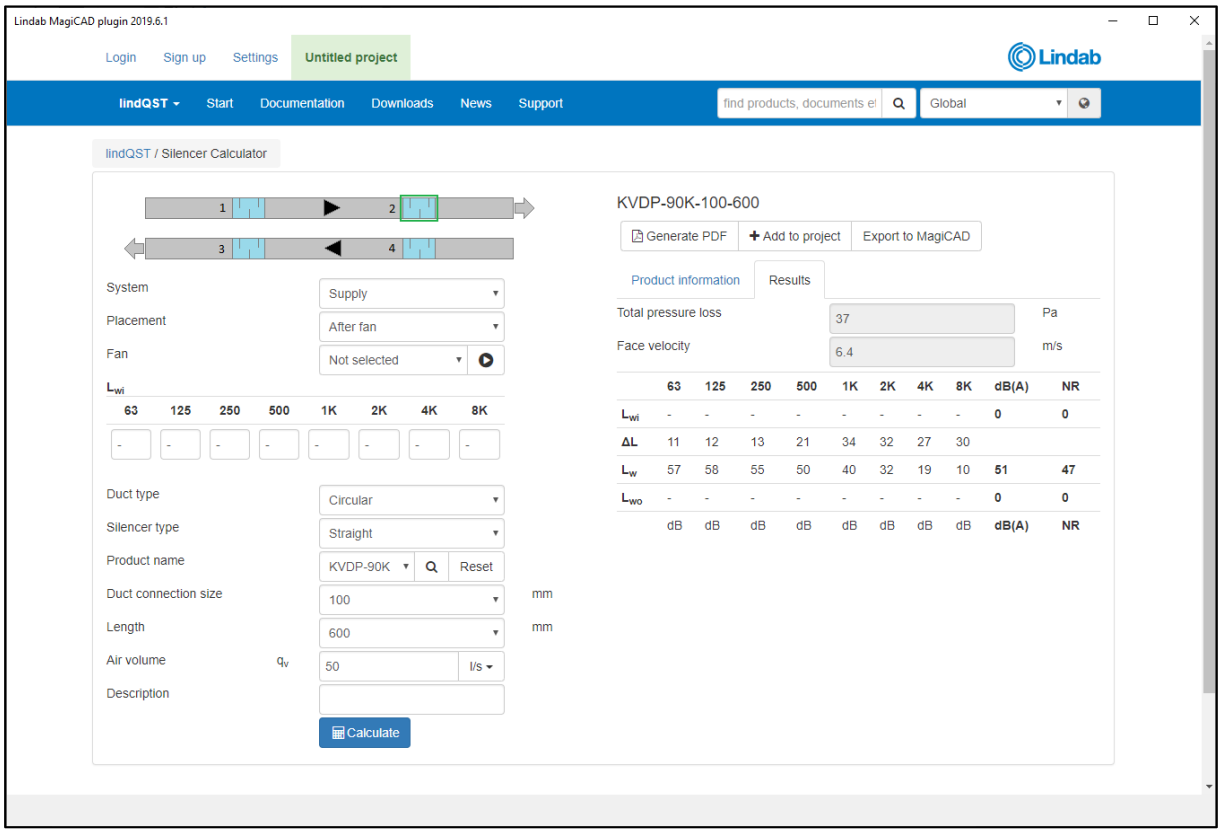

NOTE: You must start LindQST Calculator with the button in AutoCAD to be able to use the transfer function into MagiCAD for AutoCAD.

When silencer is selected press “Export to MagiCAD” button.

User code is asked in the following dialog for each silencers:

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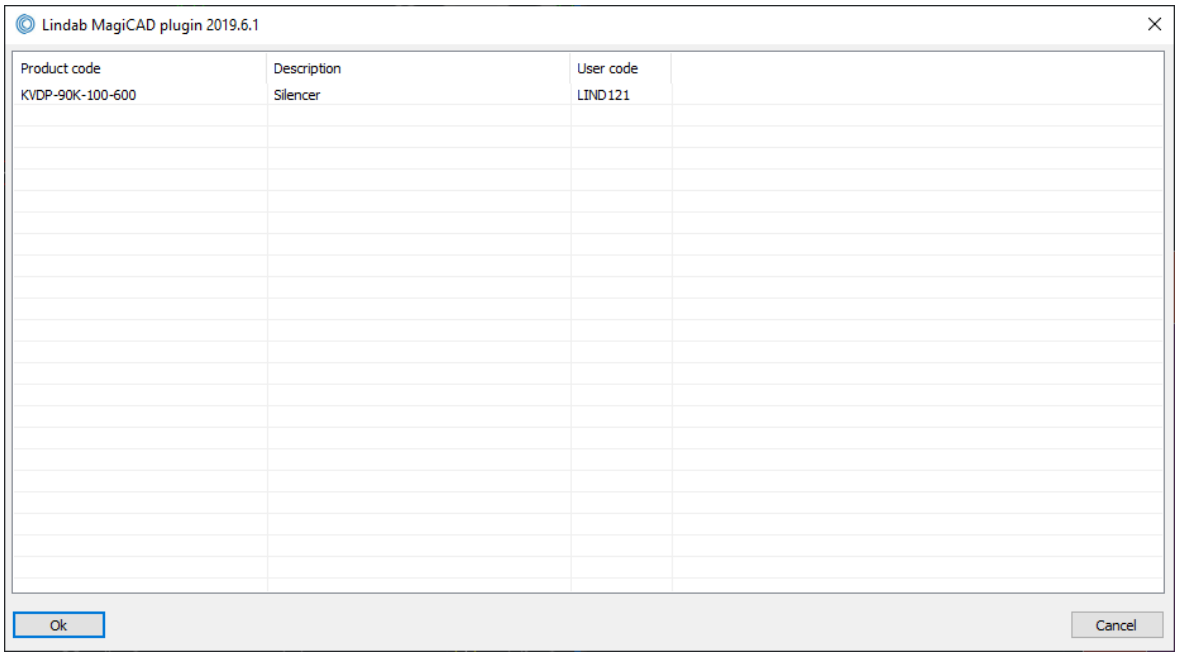

Then installation point of product is requested to shown at the plan.

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