

Lindab MagiCAD plugin for DIMcomfort, DIMsilencer och LindQST

Lindab supports its ICS Selection Tools integrated in MagiCAD. The benefit is the possibility to use Lindabs advanced calculation and presentation methods and transfer the result into MagiCAD.

NOTE:

The functionality of the Lindab MagiCAD plugin is integrated in the CADvent plugin an additional installation is not necessary!

Installation of MagiCAD plugin

Installation of Lindab MagiCAD plugin

Installation requirements

The installation requires MagiCAD 2013.11 and AutoCAD 2010-2014 or MagiCAD 2014.4 and AutoCAD 2010-2015

The Plug-in can be downloaded from:

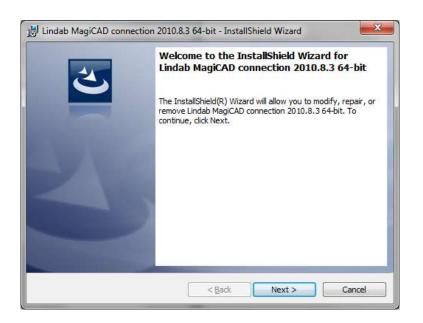
https://portal.magicad.com/download/ProductSearch?searchStr=Lindab&categoryId =3

The plugin contains installation files for both, 32- and 64-bit MagiCAD versions.

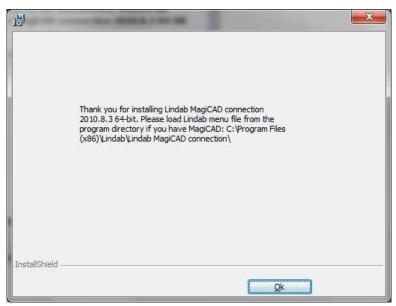
NOTE: You need to have local administrator rights to install the Plug-in on your computer.







After the installation is completed you will see the screen below prompting you to load the menus manually for the first time from the link shown in the dialog. The menus can be loaded using the AutoCAD MENULOAD function or through the CUI interface.



Now you can install the Lindab software. Please note that you must have the version numbers below or newer to use the Plug-in.

DIMcomfort:

http://itsolution.lindab.com/downloads/dimcomfort/latest/install.exe







DIMsilencer:

http://itsolution.lindab.com/downloads/dimsilencer/latest/install.exe







Using the connections

When you have loaded the menu file you will have 3 additional buttons available:

- Connection to DIMcomfort
- Connection to DIMsilencer
- Connection to LindQST (New webbased Comfort Selection Tool)

DIMcomfort

The DIMcomfort connection contains 2 methods:

- Importing rooms to DIMcomfort using MagiCAD Room module
- Import freely using AutoCAD POLYLINE command

If you have MagiCAD Room module installed you click first on the DIMcomfort button and then in the MagiCAD Room you want to transfer. In this case the room geometry as well as airflows for supply and extract air are transferred.

If you use the MagiCAD Room transfer, the airflows for supply and extract will be read only in DIMcomfort.

Otherwise you can always draft a Polyline to transfer the room boundaries into DIMcomfort. Press "m" to select room boundaries manuallay, close the Polyline and press Enter, then you will be asked to enter a room height. Press Enter again if you have stated the room height or use the default height.

NOTE: DIMcomfort allows only square angles, other angles can be calculated, but you can get a warning that the representation can be wrong.



Select a MagiCAD room or [select room borders Manually]:

have etc.	
Nationalise Research Series Notification (Constraint) (Constraint) Notification (Constraint) Nationalist (Constraint) Nat	1 A region of the field of the standard Multi-squares of the same 1 C - Squares and the standard Multi-squares of the standard Multi-squares of the standard Multi-squares of the standard Multi-squares of the standard Multi-square of the stand
Personal Second Person (1) Second Person (1) Sec	Latitic cannot the constant of
tas Vala Totaliana Mala	





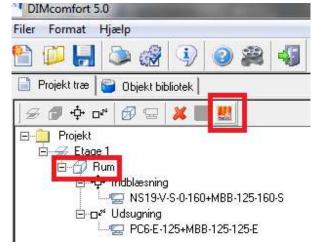


After your selection DIMcomfort will open. You can now use DIMcomfort as usual, select and insert diffusers, place them in your room and visualize throw pattern, air velocity and sound in the comfort zone.

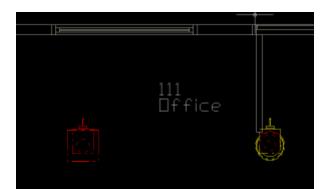
When you are finished you click on the room node in the tree view and then select the export button to MagiCAD.

DIMcomfort will then exit and a dialog in MagiCAD will pop up prompting you to state a User Code and select a system.

Now the diffusers will be shown in the same position, height and rotation as selected in DIMcomfort.



		System
box Perforated diffuser	1024	3921-2 3901 Extract
box Versio	1011	3601-1.3601 Supply
	box Perforated diffuser box Versio	box Perforated diffuser PD24 box Versio PD11



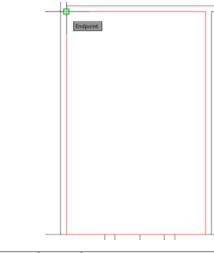
If you don't have the MagiCAD Room module you must draw the rooms boundaries manually using the AutoCAD Polyine function.





Press "Enter" or "Return" to exit the Polyline function and state the height of the room.

Then continue in DIMcomfort as described before. Don't forget to enter airflows for supply and exhaust manually in DIMcomfort when you use this type of transfer.



▲ ▶ ▶ Model / Layout1 / Layout2 /							
Next	point	(press	Enter	after	the	last	point):
Next	point	(press	Enter	after	the	last	point):
Next	point	(press	Enter	after	the	last	point):

Enter room height (mm) or «Enter» to default value 2700 mm:





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 in MagiCAD 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.

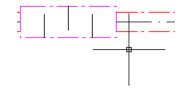
When you selected a silencer you press the "OK"-button. DIMsilencer will then close and MagiCAD dialog asks you to state a User Code.

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.

Nationa baltlingareni planning	Landingare
Ungering Fain	W Date Charles
	Top ex boldingues S Ra C Kind
far in beliepen	Line instant
Residence of the first	And the XX - An
Julys Description Hard Additionance Hard Additionance Elline 460 44 11 16 12344 460 70 70 70 20344 460 46 17 16 20344 460 46 70 70 20344 460 46 16 10 20344 460 46 17 10 20344 460 46 16 16 20344 46 46 16 16	tanga (100 <u>s</u>)
400% 16 28 10 11 14 600% 16 14 11 12 13 ap day 47 1 12	-E
Lullia (in). Techli II Pa Kandunghel (II m)	Valgestal URC6.300 Vite

_ - _

Lindab MagiCAD connection 2010.8.3			
Product code	Description	User code	
LRCA 200 1000	Circular straight low-built silencer	LD23	

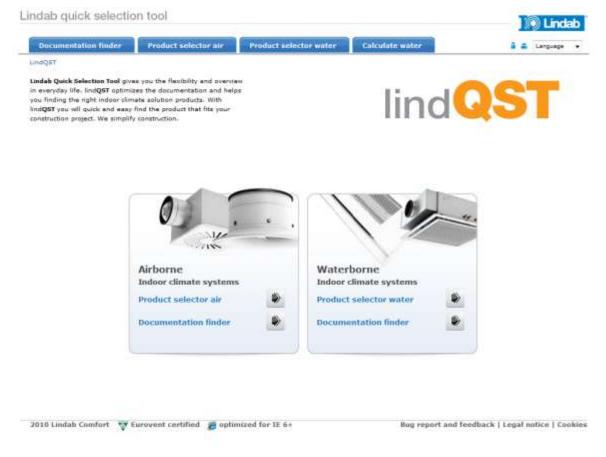






LindQST

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

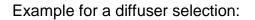


Push the LindQST button in MagiCAD to open a webbrowser and start LindQST and select a product selector.

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







1. Select a Product category or a room type to find suitable products.

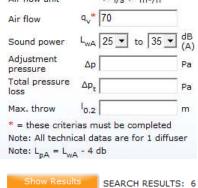
2. Select a product or define the search parameters for the diffuser you want to select.

- 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.
- LindQST calculates the al diffuser which fulfill the requirements. Push on "Show Results" to get a list of calculated diffusers. In the selection you can even compare 2 or more products to each other for detailed information.

1.	
Product category	
Roomtype	All rooms 💽
Product category	
• Ceiling diffusers	C Visible diffusers
C Industrial diffusers	C Wall diffusers
C Wall grilles	C Nozzles
C Ventiduct	C Grilles
C Displacement diffus	ers O Theatre diffusers
C Lowimpulse diffuser	rs OVAV diffusers
C VAV dampers	O VAV accesories
O Airflow regulators	Control valves
C Fresh air valves	Overflow units
Clean room difuser	s

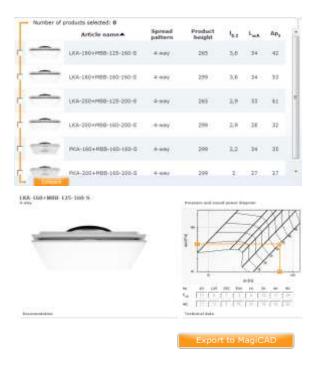












5. Select a diffuser to get a detailed report including the "Export to MagiCAD" button.

6. Push the button to close the web browser and enter a User Code in MagiCAD. Then place the diffuser into the drawing.

Lindab MagiCAD connection 2010.8	.3
----------------------------------	----

Lindab MagiCAD connect	tion 2010.8.3	
Product code	Description	User code
LKA-160+MBB-125-160-S	Ceiling diffusers	TD34



