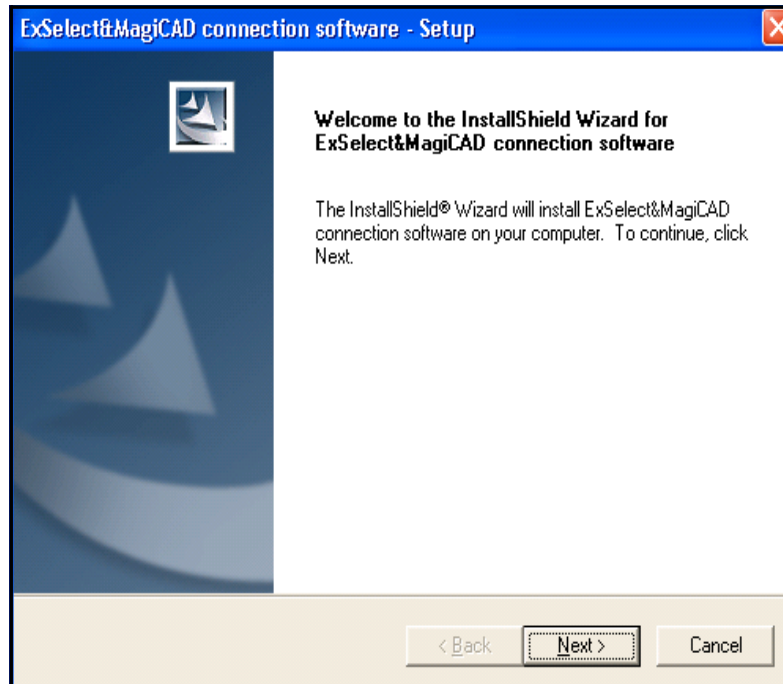


MagiCAD

Installation and use of the EXHAUSTO EXselect plug-in for MagiCAD



1. What is MagiCAD?

Explanation MagiCAD is an AutoCAD-based application, specially designed for the technical design and drawing of building systems. The plug-in allows the EXHAUSTO program tool EXselect and MagiCAD to exchange data with one another.

2. Before installing MagiCAD

Conditions The user must:

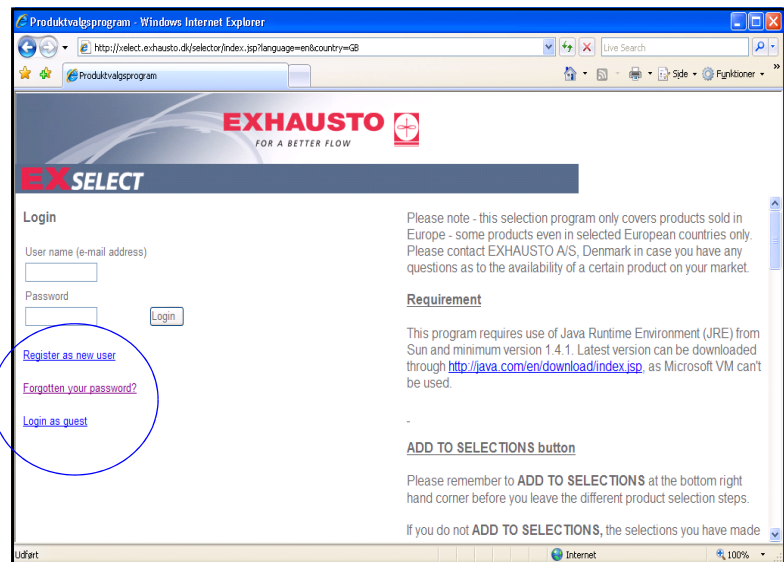
- ... Have installed MagiCAD – version 2007.11 or later
- ... be registered as an EXselect user to be able to install and use this plug-in.

Registered EXselect users can go directly to section 3 on page 3.

Registration On the EXHASUTO website click on:

- DE: “PRODUKTAUSWAHL” (box on the front page, far right)
- GB: “PRODUCT SELECTION” (box on the front page, far right)

The following screen layout is shown:



Click on:

- DE: “Als neuen Benutzer Registrieren”
- GB: “Register as new user”
- Complete the registration fields
- Click on login

You are now registered as a user.

Your EXselect password must be given when installing.

3. Installation and use of the EXHAUSTO EXselect plug-in for MagiCAD

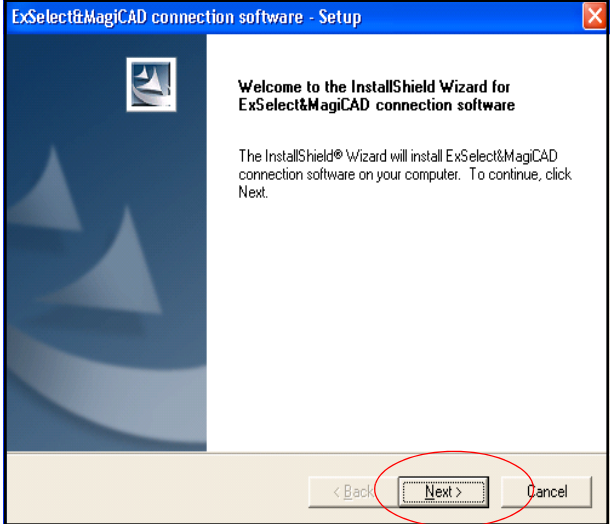
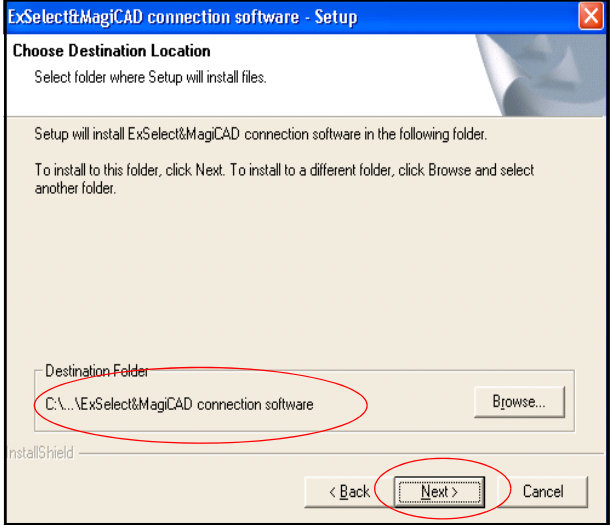
- Two steps:**
1. Installation of plug-in
 2. Installation of the EXselect menu in MagiCAD


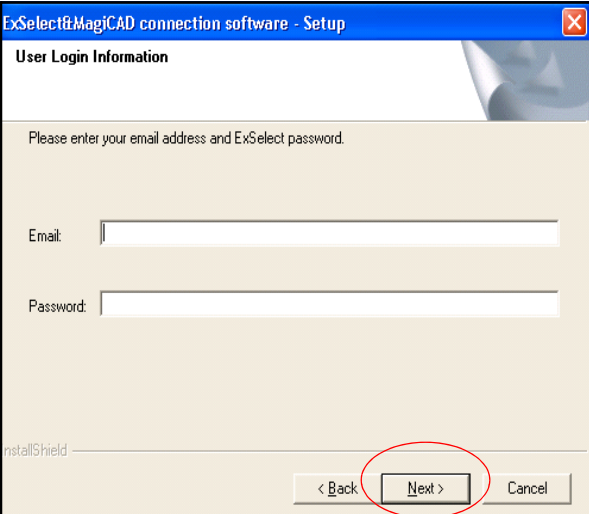
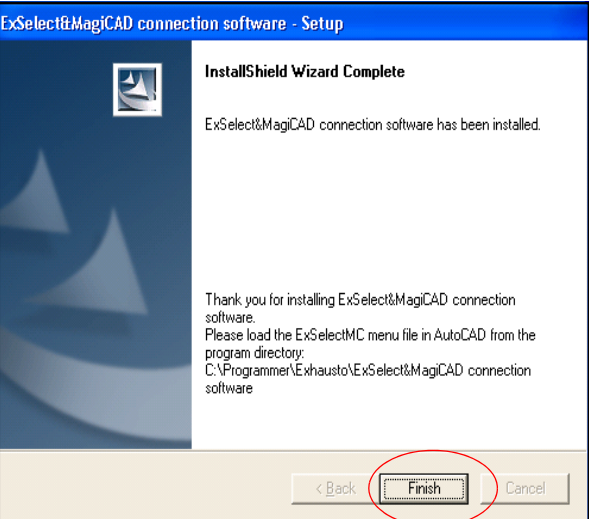
Find installation file Find the installation file EXselect_MC_Connection.exe - located on: http://xselect.exhausto.dk/selector/ExSelect_MC_Connection.exe. The file can be found on the EXHAUSTO website on "Freeware"/ "Freeware Tools"

On the EXHAUSTO website front page click on:

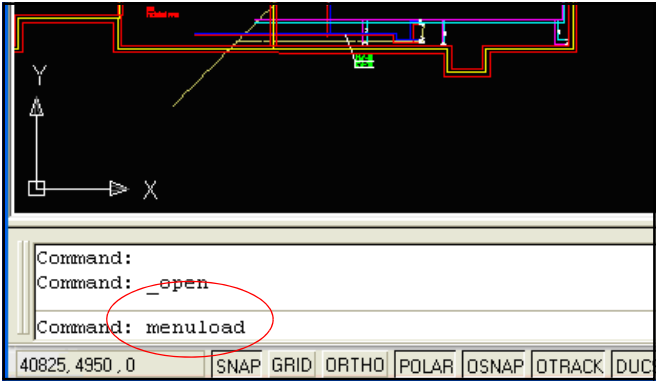
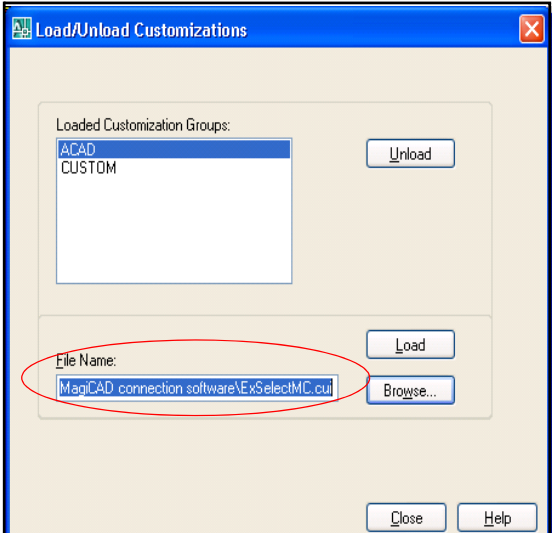
- "Links" (top bar) (On the www.exhausto.com click on "Freeware Tools")
- On the left of the screen click on "Freeware" or "Freeware Tools". You will see the MagiCAD link "EXHAUSTO EXselect plug-in to MagiCAD" beside a MagiCAD logo. Click on the link.
- Save the program to your hard drive.

3.1 Installation of the EXHAUSTO EXselect plug-in:

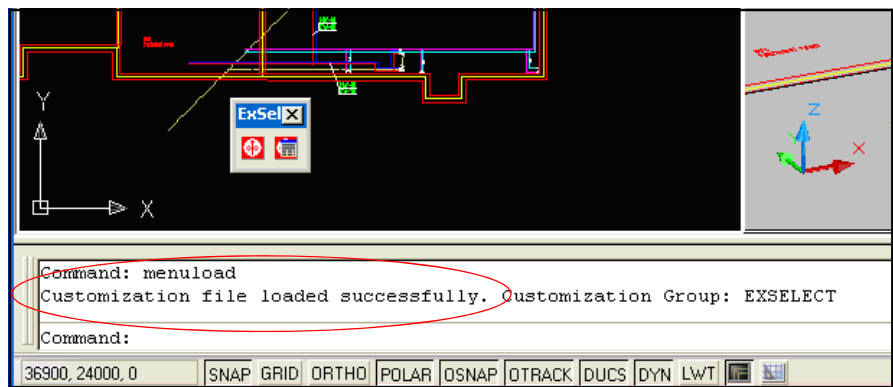
Like that ...	Screen
<p>Click on "Next".</p>	
<p>Choose the installation folder (Destination folder):</p> <p>Recommended: use the folder suggested by the installation program.</p> <p>Save location address (e.g. in Notepad): it will be used in section 3.2.</p> <p>Click on "Next".</p>	

Like that ...	Screen
<p>Select language: click on a flag English and German are on the next page (Click on "Next").</p>	
<p>Complete the registration fields</p> <p>Password must be the same as the password that was created for EXselect.</p> <p>If the password is entered incorrectly, the installation will have to be recommenced.</p>	
<p>Plug-in installed.</p> <p>Click on "Finish".</p>	

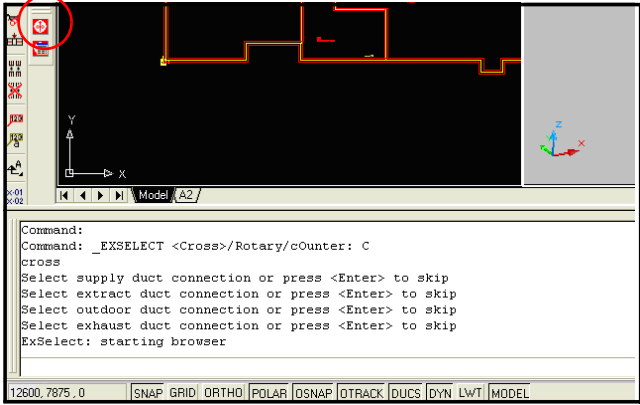
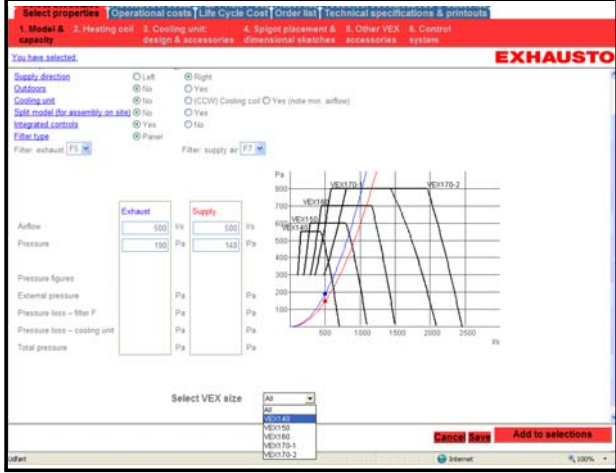
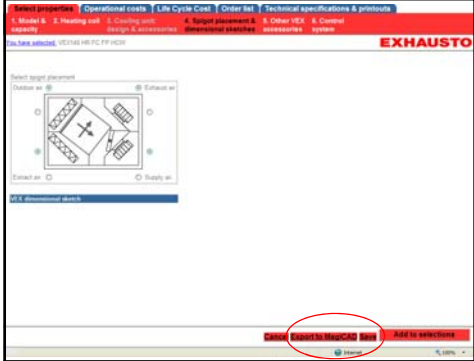
3.2 Installation of the EXselect menu in MagiCAD

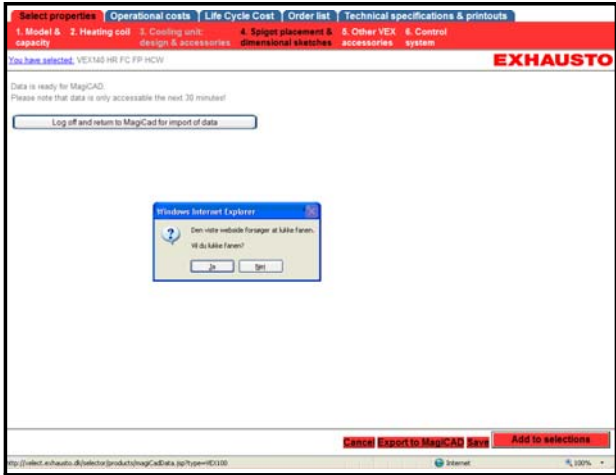
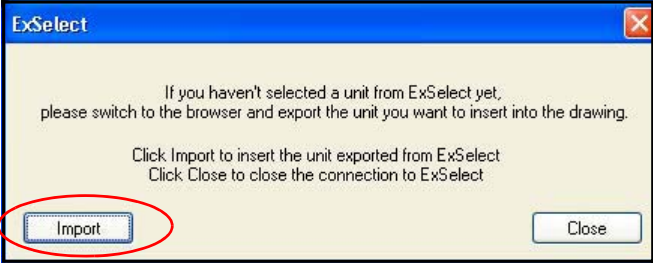
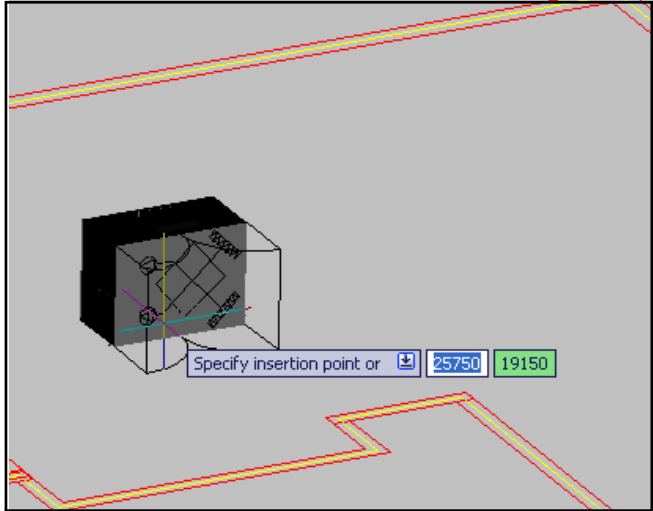
Like that ...	Screen
<p>Start MagiCAD</p> <ul style="list-style-type: none"> • Open a drawing. • “menuload” is written in the Command window – as shown on the screen. 	
<ul style="list-style-type: none"> • Browse and find the file: “EXselectMC.cui”. The file is in the same folder as the installation file (see section 3.1). • Click on “Load” to load the file. 	

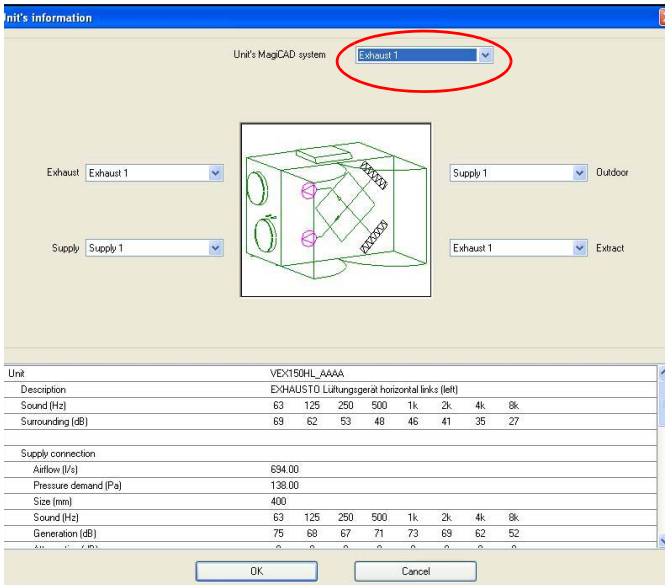
The EXselect module is now installed



4. Installation and use of the EXHAUSTO EXselect plug-in for MagiCAD

Like that ...	Screen
<p>The program is started by clicking on the EXHAUSTO logo.</p> <p>Select:</p> <ul style="list-style-type: none"> • Type of heat exchanger <ul style="list-style-type: none"> - Cross (VEX100 cross-flow heat exchanger) - Rotary (VEX200 rotary heat exchanger) - Counter (VEX300 counter flow heat exchanger) • Duct positioning <ul style="list-style-type: none"> - supply - extract - outdoor - exhaust 	
<p>Internet browser opens and data is transferred to EXselect.</p>	
<p>Check spigot positioning (the program remembers the previous choice used).</p> <p>When a product has been selected, calculations can be carried out by clicking on the “Eksport to MagiCAD” button, which appears once the product has been selected.</p> <p>The data is processed for MagiCAD.</p>	

Like that ...	Screen
<p>NB:</p> <ul style="list-style-type: none"> • When the file is exported, a temporary file is created on the server. • The file must be used within 30 minutes, otherwise it is automatically deleted. • Log off when the calculations are complete. 	 <p>The screenshot shows the EXHAUSTO web application interface. At the top, there are navigation tabs: 'Select properties', 'Operational costs', 'Life Cycle Cost', 'Order list', and 'Technical specifications & printouts'. Below these are sub-tabs for '1. Model & capacity', '2. Heating coil design & accessories', '3. Cooling unit design & accessories', '4. Spigot placement & dimensional sketches', '5. Other VEX accessories', and '6. Control system'. The main content area displays 'You have selected: VEX100 HR FC FP HCW'. A message states: 'Data is ready for MagiCAD. Please note that data is only accessible the next 30 minutes!' with a 'Log off and return to MagiCad for import of data' button. A Windows Internet Explorer dialog box is open, asking 'Do you really wish to save all the files?' with 'Yes' and 'No' buttons. At the bottom of the browser window, there are buttons for 'Cancel', 'Export to MagiCAD', 'Save', and 'Add to selections'.</p>
<p>Return to MagiCAD and click on import.</p>	 <p>The screenshot shows the 'ExSelect' dialog box. The text inside reads: 'If you haven't selected a unit from ExSelect yet, please switch to the browser and export the unit you want to insert into the drawing. Click Import to insert the unit exported from ExSelect. Click Close to close the connection to ExSelect'. The 'Import' button is circled in red, and the 'Close' button is visible on the right.</p>
<p>Place the unit on the drawing.</p>	 <p>The screenshot shows a CAD drawing of a floor plan with a 3D unit being placed. The unit is a rectangular box with a grid on top. A coordinate input field is visible, showing 'Specify insertion point or' followed by '25750' and '19150'.</p>

Like that ...	Screen																																																																																																				
<p>The drawing is now imported:</p> <ul style="list-style-type: none"> • If necessary, the duct connections can be changed. • State which system the unit is assigned to (select from the drop-down menu). 	 <p>The screenshot shows a software window titled 'Unit's information'. At the top, there is a dropdown menu for 'Unit's MagCAD system' which is set to 'Exhaust 1' and is circled in red. Below this, there are three more dropdown menus: 'Exhaust' (set to 'Exhaust 1'), 'Supply' (set to 'Supply 1'), and another 'Exhaust' (set to 'Exhaust 1'). In the center is a 3D wireframe model of a unit with duct connections. Below the model is a table of technical specifications for the unit.</p> <table border="1" data-bbox="772 582 1439 801"> <thead> <tr> <th colspan="2">Unit</th> <th colspan="8">VE:150HL_4AAA</th> </tr> </thead> <tbody> <tr> <td>Description</td> <td colspan="9">EXHAUSTO Lüftungsgerät horizontal links (left)</td> </tr> <tr> <td>Sound [Hz]</td> <td>63</td> <td>125</td> <td>250</td> <td>500</td> <td>1k</td> <td>2k</td> <td>4k</td> <td>8k</td> <td></td> </tr> <tr> <td>Surrounding [dB]</td> <td>69</td> <td>62</td> <td>53</td> <td>48</td> <td>46</td> <td>41</td> <td>35</td> <td>27</td> <td></td> </tr> <tr> <td colspan="10">Supply connection</td> </tr> <tr> <td>Airflow [l/s]</td> <td colspan="9">694.00</td> </tr> <tr> <td>Pressure demand [Pa]</td> <td colspan="9">138.00</td> </tr> <tr> <td>Size [mm]</td> <td colspan="9">400</td> </tr> <tr> <td>Sound [Hz]</td> <td>63</td> <td>125</td> <td>250</td> <td>500</td> <td>1k</td> <td>2k</td> <td>4k</td> <td>8k</td> <td></td> </tr> <tr> <td>Generation [dB]</td> <td>75</td> <td>68</td> <td>67</td> <td>71</td> <td>73</td> <td>69</td> <td>62</td> <td>52</td> <td></td> </tr> </tbody> </table> <p>At the bottom of the window are 'OK' and 'Cancel' buttons.</p>	Unit		VE:150HL_4AAA								Description	EXHAUSTO Lüftungsgerät horizontal links (left)									Sound [Hz]	63	125	250	500	1k	2k	4k	8k		Surrounding [dB]	69	62	53	48	46	41	35	27		Supply connection										Airflow [l/s]	694.00									Pressure demand [Pa]	138.00									Size [mm]	400									Sound [Hz]	63	125	250	500	1k	2k	4k	8k		Generation [dB]	75	68	67	71	73	69	62	52	
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NB: There is no return function. To recalculate start from the very beginning. Go to page 6.