

The background features a large, red, stylized geometric pattern consisting of nested, thick-lined shapes that resemble a stylized 'M' or a series of interlocking polygons. The pattern is centered and occupies most of the page.

Nibe MagiCAD plugin for AutoCAD

User guide

04/10/2024

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1 General

1.1 About this document

This document contains instructions on using *Nibe MagiCAD plugin for AutoCAD*. The plugin is a CAD extension application for importing air handling units into MagiCAD for AutoCAD from Nibe air handling unit configurator.

1.2 Installing the Software

1.2.1 Required Third-party Software

Nibe MagiCAD plugin works with the following MagiCAD and AutoCAD versions:

- MagiCAD 2024 and AutoCAD 2021-2024
- MagiCAD 2025 and AutoCAD 2021-2025

1.2.2 Installation

1. Download setup file from
<https://portal.magicad.com/download/ProductSearch?searchStr=Nibe&categoryId=3>
2. Install Nibe MagiCAD plugin for AutoCAD.

Administrator privileges are recommended for the installation.

1.3 Air handling units for the plugin

The air handling unit must be configured in the Nibe application before using the plugin.

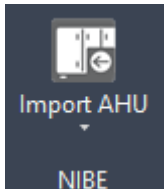
The plugin receives the air handling unit data from the Nibe application in the transfer file (file extension is MAH). The transfer file must be saved somewhere where the plugin can use it.

The transfer file can contain more than one air handling unit at a time.

2 Features

2.1 Nibe MagiCAD Plugin User Interface

The plugin can be found in *MagiCAD plugins* tab in MagiCAD for AutoCAD.



2.2 Import AHU

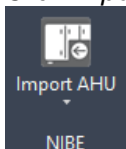
This feature allows the plugin user to select a file exported Nibe AHU Configurator (*.MAH extension) and import the air handling unit(s) in the file to MagiCAD for AutoCAD.

Before the *Import AHU* feature from the plugin is used, the air handling unit(s) needs to be first exported from the Nibe AHU configurator.

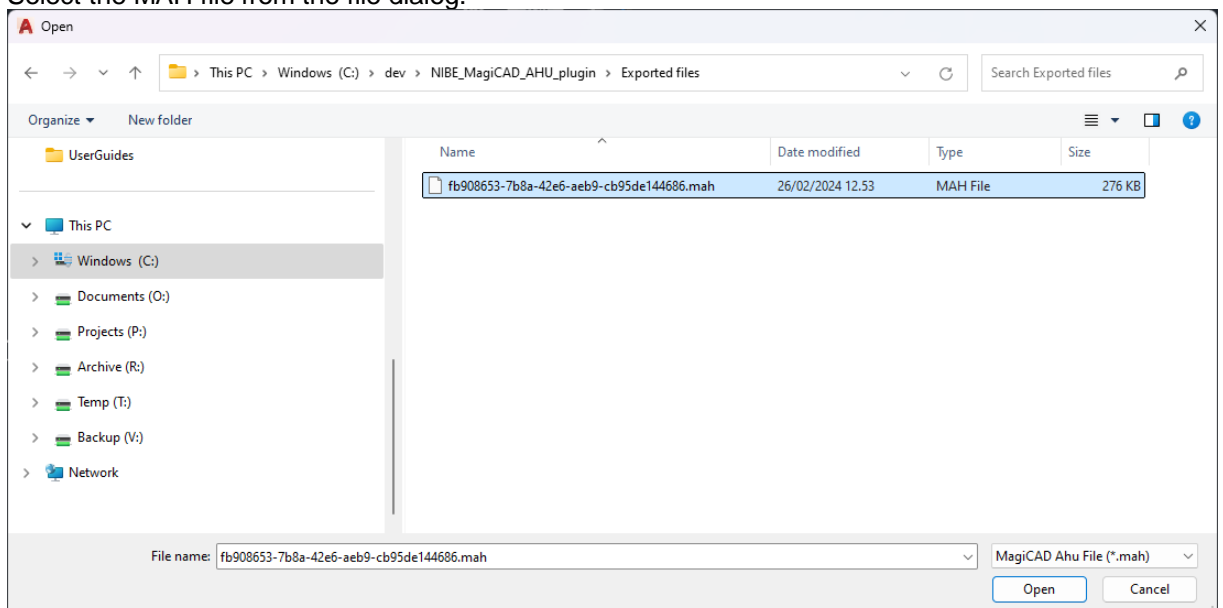
The Nibe AHU configurator user and the plugin user can be a different person.

Follow these steps for importing a Nibe air handling unit into MagiCAD for AutoCAD.

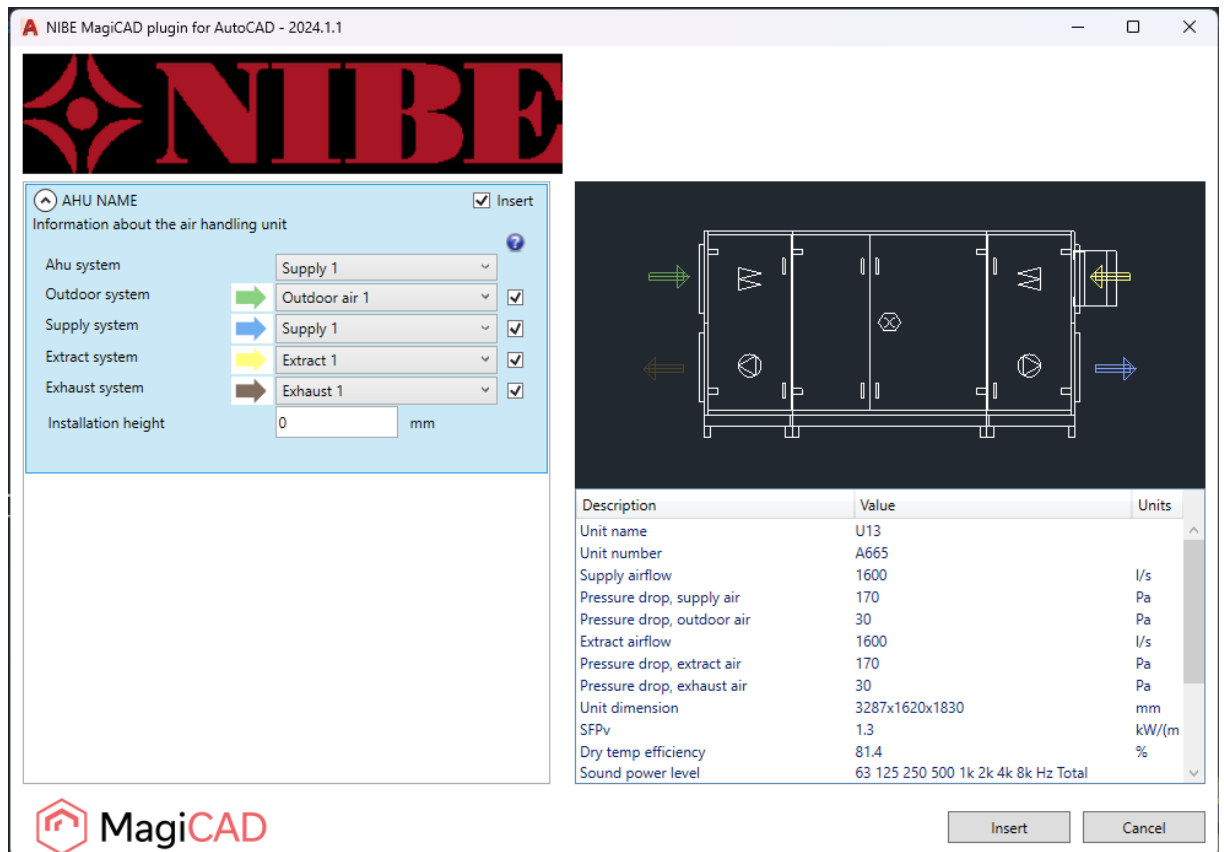
1. Click *Import AHU* button from MagiCAD plugins tab in MagiCAD for AutoCAD.



2. Select the MAH file from the file dialog.



- After clicking the *Open* button, the plugin reads the transfer file (*.MAH) and loads the air handling unit(s) to the insertion dialog.



The geometry of the product is displayed on the top right side. The product can be zoomed with the mouse wheel.

Before installing the product to MagiCAD for AutoCAD, the systems must be selected for each duct connection. The available systems are read from the active MagiCAD project.

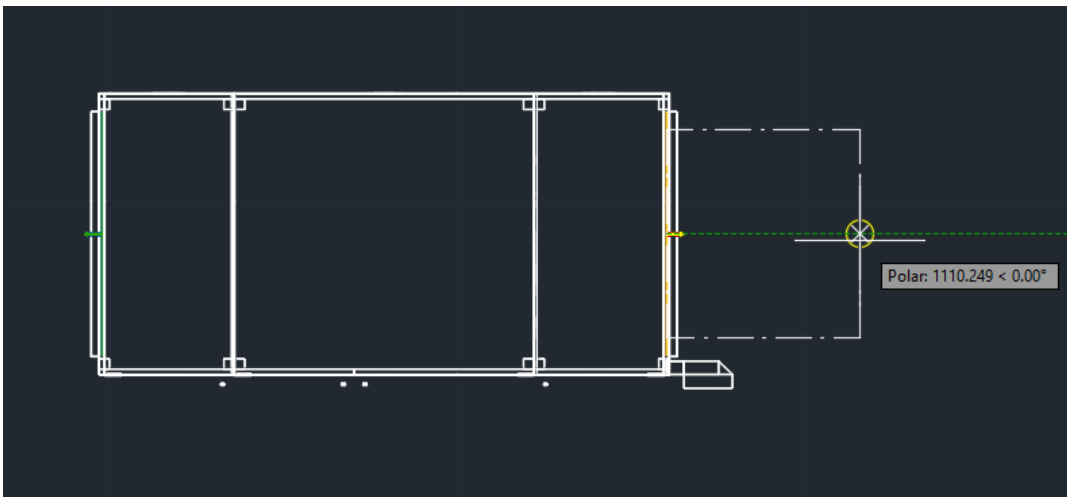
The plugin supports also pipe connections (heating and/or cooling). The system selections for the pipes are shown in the installation dialog if the air handling unit contains pipe connections.

The installation height (offset) of the product can be defined in the insertion dialog.

Please notice that it is possible to uncheck *Insert* checkbox in case you want to exclude some of the air handling units from the insert operation.

4. Once the selections have been made in the insertion dialog, the insert operation can be started by clicking *Insert* button.
5. The product(s) can be placed to the MagiCAD one by one by dragging them to the wanted position.

Once the air handling unit is inserted to MagiCAD, it can be connected to ducts and pipes.

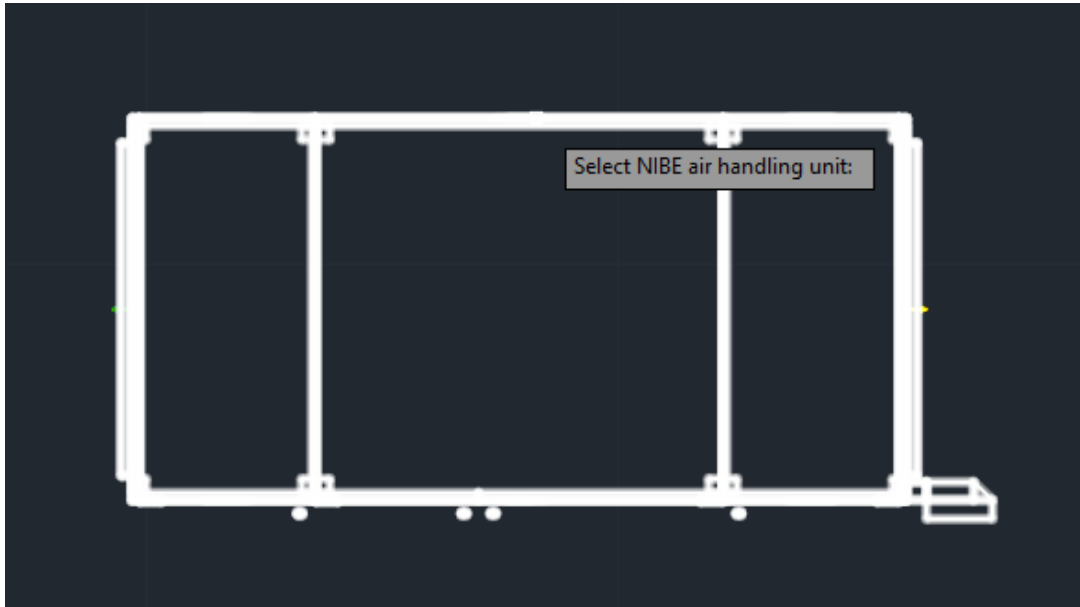


2.3 View AHU

View AHU command allows user to view the technical data of the selected Nibe air handling unit.

Follow these steps for Viewing Nibe air handling unit's data:

1. Click View AHU -button from plugin's ribbon panel.
2. Select the AHU which details you want to view.



- View AHU dialog will be opened. You can view the technical data and systems selections from the view below.

NIBE MagiCAD plugin for AutoCAD - 2024.1.1

AHU NAME
Information about the air handling unit

Ahu system: Supply 1
 Outdoor system: Outdoor air 1
 Supply system: Supply 1
 Extract system: Extract 1
 Exhaust system: Exhaust 1
 Installation height: 0 mm

Description	Value	Units
Unit name	U13	
Unit number	A665	
Supply airflow	1600	l/s
Pressure drop, supply air	170	Pa
Pressure drop, outdoor air	30	Pa
Extract airflow	1600	l/s
Pressure drop, extract air	170	Pa
Pressure drop, exhaust air	30	Pa
Unit dimension	3287x1620x1830	mm
SFPv	1.3	kW/(m
Dry temp efficiency	81.4	%
Sound power level	63 125 250 500 1k 2k 4k 8k Hz Total	

MagiCAD

Close