



Stabicad 23.06 release

Release Notes United Kingdom (UK)

Highlights of the 23.06 release

- Microsoft SQL 2012 is no longer supported
- You can now calculate on non Stabacad heating & cooling and common piping accessories families
- You can now filter, tag and visualize the index run by using the newly introduced Index Run shared parameter
- You can now tag, schedule and visualize the heating & cooling power on pipes

Stabacad for Revit

- **Microsoft SQL 2012 instances are no longer supported for the Stabacad database.**
When the Stabacad database is running on a Microsoft SQL 2012 or older instance, the Stabacad installer will help you to migrate to a newer Microsoft SQL instance. Currently, Microsoft SQL 2014 till Microsoft SQL 2019 are supported.

Stabacad for Revit | Mechanical engineering

- **You can now filter, tag and visualize the index run by using the newly introduced Index Run shared parameter!**

After running one of the mechanical calculations, a new shared parameter will be added to all elements. For the elements that part of the index run, the checkbox will be checked. This way you can quickly understand what parts of the system are part of the index run and perform any kind of operations on the elements in the index run.

Other		^
Flow Range	0,825	
Pressure Loss per Meter Range	115,347	
Section Code		
Velocity Range	0,67	
End Pressure	297289.916000	
Initial Pressure	299031.833000	
Total Pressure Loss	1741.918000	
Pressure Loss	83768.946792 Pa	
∑ Continuous Water Flow	0.00 L/s	
Max. Flow Piping	1.17 L/s	
Section Code		
End Pressure Piping	178343.680000 Pa	
Total Pressure Loss Piping	83768.947000 Pa	
Max. Velocity Piping	3.66 m/s	
Flow Range (l/s)	1.173	
Velocity Range (m/s)	3.661	
Pressure Loss per Meter Range (Pa/m)	5535.45	
Initial Pressure Piping	262112.627000 Pa	
∑ Loading Units	99.000000	
Max. Pressure Loss per Meter Piping	5535.4500 Pa/m	
Index Run	<input checked="" type="checkbox"/>	

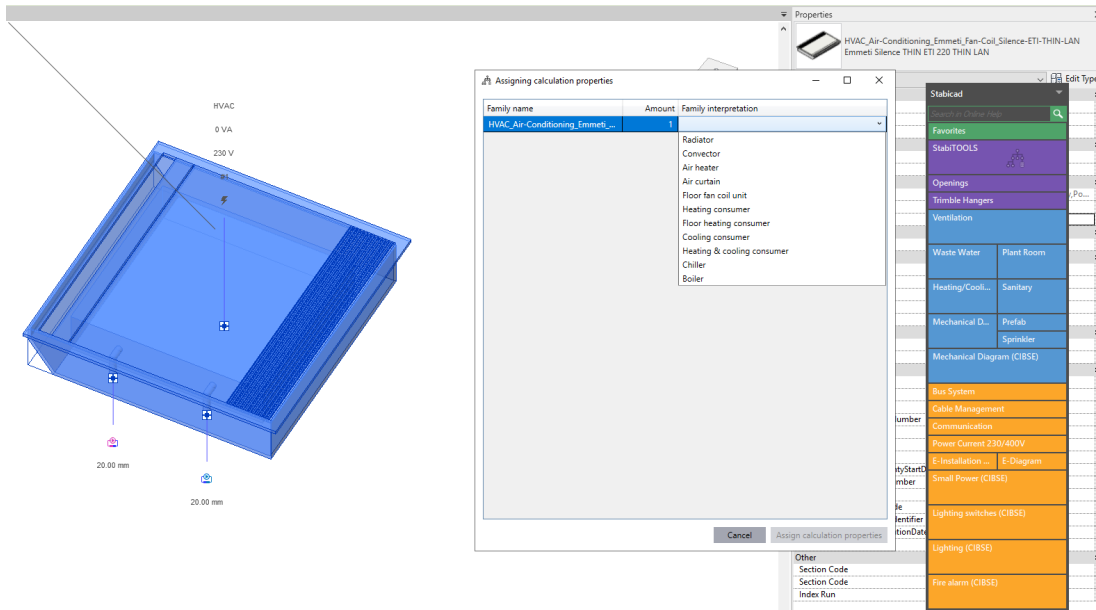
■ **You can now tag, schedule and visualize the heating & cooling power on pipes!**

After running a heating & cooling calculation, new shared parameters will be added to pipes which show the calculated heating/cooling power in that pipe. This allows you to tag the heating/cooling power in addition to the flow, velocity and pressure loss.

Other	
Max. Flow Piping	0.05 L/s
Section Code	s2
End Pressure Piping	4254.720000 Pa
Index Run	<input checked="" type="checkbox"/>
Total Pressure Loss Piping	110.670000 Pa
Max. Velocity Piping	0.24 m/s
Flow Range (l/s)	0.048029
Velocity Range (m/s)	0.24
Pressure Loss per Meter R...	61.00
Initial Pressure Piping	4365.380000 Pa
Max. Heating Power	1968.00 W
Max. Pressure Loss per Me...	61.0000 Pa/m
Heating Power Range	1968.00

■ **You can now calculate on non Stabicad heating & cooling and common piping accessories families!**

The recently introduced feature of assigning mechanical calculation parameters to non Stabicad families has been extended. Now this functionality is able to work with non Stabicad heating & cooling elements (E.g. radiators, fan coil units etc) as well as common piping accessories (valves, dampers, pumps etc).



The options that are available for you to choose from is dependent on the amount of connectors and the type of connectors. Below an exhaustive list that lists what currently is supported overall (including what was already supported in 23.03).

Example: the family in the picture above has 1 electrical connector, 1 hydronic supply connector and 1 hydronic return connector. According to the list below it is part of the group “Hydronic Supply & Return”, therefore the following options are being displayed:

- Radiator
- Convector
- Air heater
- Air curtain
- Floor Fan coil unit
- Heating consumer
- Floor heating consumer
- Cooling consumer
- Heating & Cooling consumer
- Chiller
- Boiler

Note that an element can be part of multiple groups at the same time, in that case the options of both lists become available for you to choose.

Air only

- Exactly 1 air connector
- 0 hydronic return
- 0 hydronic supply
- Any amount of other connectors

All standards

- *Air terminal*

Hydronic Supply & Return and Air

- At least 1 hydronic supply
- At least 1 hydronic return
- At least 1 Air connector (Exhaust, Global, Return, Supply, Other)
- Any amount of other connectors

All standards

- *Induction Diffuser*
- *Heating battery*
- *Cooling battery*
- *Fan coil unit*

6 hydronic connectors

- Exactly 3 hydronic supply
- Exactly 3 hydronic return
- No other type of pipe connectors

All standards

- *Six way valve*

4 or more hydronic connectors

- At least 2 hydronic supply

- At least 2 hydronic return
- No other type of pipe connectors

All standards

- *Manifold*

Hydronic Supply & Return

- At least 1 hydronic supply
- At least 1 hydronic return
- Any amount of other connectors

All standards

- *Radiator*
- *Convactor*
- *Air heater*
- *Air curtain*
- *Floor Fan coil unit*
- *Heating consumer*
- *Floor heating consumer*
- *Cooling consumer*
- *Heating & Cooling consumer*
- *Chiller*
- *Boiler*

Exactly 2 pipe connectors of the same type

- Exactly 2 global connectors
- No other type of pipe connectors

OR

- Exactly 2 domestic cold connectors
- No other type of pipe connectors

OR

- Exactly 2 domestic hot connectors
- No other type of pipe connectors

OR

- Exactly 2 other connectors
- No other type of pipe connectors

OR

- Exactly 2 hydronic supply connectors
- No other type of pipe connectors

OR

- Exactly 2 hydronic return connectors
- No other type of pipe connectors

All standards

- *Pump*
- *Balancing Valve*
- *Pipe accessory (If Pipe Accessory is chosen, the equipment will only receive a zeta and pressure loss parameter)*

Exactly 2 duct connectors of the same type

- Exactly 2 global connectors
- No other type of duct connectors

OR

- Exactly 2 exhaust air connectors
- No other type of duct connectors

OR

- Exactly 2 supply air connectors
- No other type of duct connectors

OR

- Exactly 2 return air connectors
- No other type of duct connectors

OR

- Exactly 2 other air connectors
- No other type of duct connectors

All standards

- *Duct accessory (If Duct Accessory is chosen, the equipment will only receive a zeta and pressure loss parameter)*
- *Fan*

Stabicad for Revit | Electrical engineering

- **The *Circular Recessed* family has been added to the CIBSE Lighting palette center section.**

