



IESVE
Trial Support
Material

www.iesve.com

Apache:
Tabular Space Data

Tabular Space Data



Tabular Space Data

Tabular Space Data can be accessed either through the icon, or through the drop-down **View** menu at **Tabular Space Data** or use the **Ctrl+Shift+T** keyboard shortcut.

Tabular Space Data allows you to rapidly inspect and modify the standard thermal attributes, internal gains and air exchanges for spaces in your models.



Query

It provides access to a similar set of data to that available via the Query Space button, but provides the information in a modeless, tabular form, so you can still interact with your model (e.g. selecting and manipulating rooms) while you keep this window open, and you can move this window to a second monitor.

The information for the spaces is displayed automatically and will update according to your space selection within the model – as you select a space, it is automatically displayed in the Tabular Space Data grid.

In addition to providing a fast and efficient way for you to edit space attributes in your model, other useful features include:

- Customizable columns, allowing you to choose exactly which variables you want to see
- Sorting, allowing you to sort all grid data, as either ascending or descending, by any column
- Filtering, allowing you to only display spaces which pass one or more different criteria
- Export and Import of displayed space data, allowing you to externally edit the values for your spaces (e.g. using Microsoft Excel) and then re-import the changes to automatically apply them to your model.

The screenshot shows the 'Tabular Space Data - Space Data (Geometry)' window. On the left is a menu with options for 'Export Space Data' (Export to file..., Copy data from all tabs, Copy data from current tab), 'Import Space Data' (Import from file..., Paste from clipboard...), and 'Actions' (Deselect unmarked spaces, Select all spaces, Assign marked spaces to a group...). The main area is a table with the following columns: Space #, Space ID, Space Name, Space Type, Space Sub Type, Storey #, Storeys (Grouping Scheme), and DHW Zone (Grouping Scheme). The table contains 11 rows of data, with the first two rows highlighted in yellow.

Space #	Space ID	Space Name	Space Type	Space Sub Type	Storey #	Storeys (Grouping Scheme)	DHW Zone (Grouping Scheme)
6	NT000002	Entrance front	Building Space	Room	0	Entrance	DHW Zone 1
7	NT000000	Entrance sides	Building Space	Room	0	Entrance	DHW Zone 1
2	CH000001	Circulation 1	Building Space	Room	2	First Floor	DHW Zone 1
10	MT000001	Meeting A1	Building Space	Room	2	First Floor	DHW Zone 1
16	MT000006	Meeting B1	Building Space	Room	2	First Floor	DHW Zone 1
22	MT00000B	Meeting C1	Building Space	Room	2	First Floor	DHW Zone 1
28	MT000010	Meeting D1	Building Space	Room	2	First Floor	DHW Zone 1
34	FF000001	Office A1	Building Space	Room	2	First Floor	DHW Zone 1
40	FF000006	Office B1	Building Space	Room	2	First Floor	DHW Zone 1
46	FF00000B	Office C1	Building Space	Room	2	First Floor	DHW Zone 1

There is a column on the left-hand side of the grid containing checkboxes – these are known as marking checkboxes and are used to allow changes to a row to be applied to all the rows that have been marked for editing.

Whenever you edit a cell on any row (be it marked or not), the corresponding value will be applied to all rows that have been marked. If you tick the top box in the headings row, all the boxes below will be ticked.

It is also easy to assess and compare the individual space data within this view, and to filter as required.

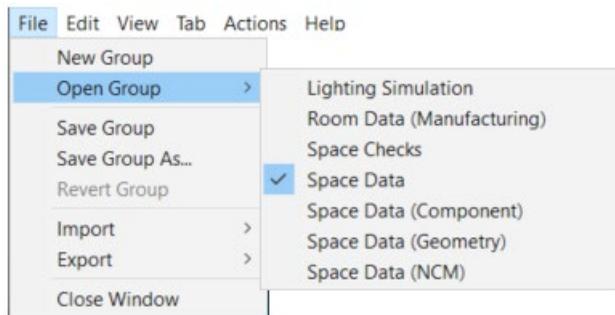
As with the other tabular formats, this data can be exported as a .csv file to Excel if desired.

You can use the file drop-down menu to create whole new groups of space data, which can be saved, imported and exported, or you can simply add a tab to the existing group: either use the drop-down Tab menu, or right click to access this and add a tab. Then you can right click on the top of the columns and choose **Manage Columns**, then select which data you would like to see, and order the columns to suit. Your new tab can also be saved.

The status bar is displayed along the bottom of the Tabular Space Data window. This displays information on the number of rooms currently being displayed by the grid and also the number of data filters in-use (if any).

More information is available at https://help.iesve.com/ve2019/tabular_space_data_basics.htm#

Using Tabular Space Data



The set of data tabs that are being displayed is called a tab group. You can change which group is displayed within the Tabular Space Data at any time, by selecting **Open Group** from the File drop-down menu and choosing a group.

The default group is Space Data, where the tabs are set up to mimic those in the standard Query Room window.

Simply click on any group to change tab group.

If you choose Space Checks, with the default filters on, you will only see the spaces where there are problems, so if there is nothing on the data list, it is good.

Editing Room Attribute Values

It is very simple to edit room attributes using Tabular Space Data, but the exact method depends on the type of cell used to represent the attribute. An overview of the different types of cells is given below.

- **Value Cells:** Where an attribute is simply a textual value or a numerical value, a basic value cell is used. To edit the value in one of these cells, simply double-click it – you can apply the edit by clicking on another cell or pressing the ENTER key, or cancel the edit by pressing the ESC key.

Note: Some basic value cells are non-editable (e.g. Room ID, Gain Reference). Double-clicking on these cells does nothing, as the values are not modifiable.
- **From Template Value Cells** have values that are derived from the current thermal template, but that you can also choose to modify. When the checkbox is ticked and the text colour is blue, then the value has been taken from the template and is not editable. If you un-tick the checkbox, the value will lose its link to the template and be shown in black, indicating that the value can now be edited by double-clicking in the cell.
- **Dropdown List Cells** display a dropdown list containing all the valid options for that particular attribute. You can click on the cell to display the list and choose an option, but you cannot manually type in a value. The first item on the list is “from template” and if this is selected, the value should display in a blue colour. To change this, simply click on the dropdown to select another option, and the cell colour will change to black – this will then let you change other linked values, even if you pick the same item as the template but not with (from template) listed after it. Some dropdown list attributes (e.g. Aux. Vent System and DHW System, Plant Profile) make use of additional custom options in their lists, such as “Use Main System”, “Set As Heating Profile” and “Set As Cooling Profile”. Again, colour cues on the cell text are used to indicate these at a glance. These custom options are always visible when using the dropdown list and are identifiable by being displayed above the dividing line.
- **Dropdown Window Cells** resemble dropdown list cells, but are used where none of the standard cell types are suitable for a particular attribute. When clicked, it displays a custom pop-up window, rather than a list.

Dropdown window cells are used for the Heating Setpoint and Cooling Setpoint attributes (you can switch between a constant temperature value, a two-value setting, or a timed profile), and for DHW Consumption.

To edit these cells, simply click the cell to display the window, then use the drop-down list to select your preferred option, and complete the resultant window. Once again, if you tick the template checkbox, the resultant value will display in blue.

More information is available at https://help.iesve.com/ve2019/using_tabular_space_data.htm#