Daikin’s new Revit Ribbon puts the latest BIM Object information at your fingertips

December sees the release of a new add-in for Revit which offers HVAC engineers and building planners using Autodesk’s Revit software a fully integrated experience with easy access to the Daikin BIM Object library and added functionality.

**Meeting internationally recognised standards**

BIM is fast becoming the de facto standard for project management. The collaborative approach offered by the BIM workflow approach helps maintain accuracy and reduce the risk of errors while fast tracking projects through to completion. The models and data that lie behind the 3D models are essential to the process, with the provision of accurate, comprehensive information that can be used intelligently within the BIM mode a vital aid in exploring different HVAC system and installation combinations to ensure the best design and layout.

Daikin’s dedication to providing high quality BIM models for its HVAC products in support of building owners, architects, MEP and contractor customers is unswerving. Following the launch of Daikin’s first BIM objects in 2015, developed in accordance with internationally-recognised [Revit Standards](http://www.revitstandards.org) (RSen), its library has grown considerably. With the recent release of a full portfolio of BIM Objects for Daikin’s Air Conditioning alongside the launch of its powerful BIM application software suite, the company now offers a comprehensive planning resource which allows different HVAC system combinations, outputs and models to be explored. At the same time the potential for errors in design and installation is reduced, saving time and money by synchronising the 3D plan of a building and its contents.

**Presenting the next generation in BIM software tools**

Revit is a design and documentation platform that supports the design, drawings, and schedules required for building information modelling (BIM). The Daikin Autodesk Revit ribbon *(screenshot 1)* is the next step in offering practical, qualitative and efficient BIM services. Providing an alternative to the native Revit contextual panel, the ribbon provides additional functionality for improved ease of use, with access to the latest product data through a live link with Daikin’s product database.

*“Our goal was to ensure easy local access to accurate up-to-date product information to prevent errors in specification and installation and to increase the scope for exploring variety of solutions, quickly and cost-effectively. Daikin’s focus in developing this support tool has been to provide maximum flexibility for the engineer, plus time and cost-efficiencies for the customer.*

*“With the Daikin ribbon the A/C units are just a click away to significantly improving design efficiency and making the job simpler, with no need to leave the Autodesk Revit programme to download/find info on units”,* says Dirk Dhont, responsible for the BIM development at Daikin Europe.

**How does it work?**

The ribbon displays when the user creates or opens a project and provides additional functionality to support the designer.

Like the Revit contextual panel, the Daikin contextual panel becomes visible when one or more Daikin elements are selected *(screenshot 2)*. This panel shows the specific Daikin commands that are available for the selected elements. This provides easy access to the Daikin Object Selector where a user can choose to download a Revit Family to disk or load it straight into the model.

**Beyond Revit: Daikin’s functionally-rich extension delivers increased flexibility and power**

New functionalities have been integrated into the Daikin Ribbon, enhancing the user’s ability to work with the Revit Families in an optimal way that goes beyond the archetypal Revit toolbox.

An ‘Object Selector’ Application lets the user to load Daikin products straight into the project, which allows simulations working with the latest version of both ‘Revit Family’ and the data. Additionally, the ‘modify’ panel also contains extra tools created to assist the designer and improve the output.

The Daikin ‘Mirror’ command gives improved control: unlike the native command, there is no geometric mirroring of the objects. For example, a left-hand connection remains a left-hand connection after performing the Daikin ‘Mirror’ command, eliminating any confusion in the resulting flat plan *(screenshot 3)*.

The new Revit Ribbon also includes parameters for controlling clearance volumes. The ‘Clearance Zone’ represents the necessary operational space required around the units. By default, clearances are turned on, but a Show/Hide function in the new Revit Ribbon gives the use the option to choose whether clearances are included in interference checks, allowing clearances to be cleared as required *(screenshot 4)*.

**Here to support you**

*“We continue to improve our services to BIM engineers, through the issue of regular updates to our BIM Objects library and the release of new application tools to provide added functionality with seamless integration, adds Dirk.*

*“Look out for new downloadable content as new product releases occur and the rest of the library of products are modelled and for new applications designed to support you and help you exploit the benefits of collaboration through digitisation.”*

To download the new Revit ribbon free of charge, visit https://www.daikin-ce.com/en\_us/installers/software-downloads/bim.html

#### DAIKIN Airconditioning Central Europe

Daikin Airconditioning Central Europe was founded in 1999 with its headquarter in Brunn am Gebirge, Austria. The product portfolio comprises products and solutions for heating, cooling, ventilation, airconditioning and refrigeration. Roughly 230 employees are in charge of the sales and service activities in 15 countries in Central- and Eastern Europe (Austria, Czech Republic, Slovakia, Hungary, Romania, Bulgaria, Moldavia, Slovenia, Serbia, Croatia, Bosnia & Herzegovina, Macedonia, Montenegro, Kosovo, Albania).

#### About Daikin Europe N.V.

Daikin Europe N.V. is a wholly-owned subsidiary of Daikin Industries Limited and a major European producer of air conditioners, heating systems and refrigeration equipment, with approximately 6946 employees throughout Europe and major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey and the UK.

Globally, Daikin is renowned for its pioneering approach to product development and the unrivalled quality and versatility of its integrated solutions. With more than 90 years’ experience in the design and manufacture of heating and cooling technologies, Daikin is a market leader in heat pump technology.

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