DAIKIN McQUAY®

Basic Revit® Workflow Ideas

Revit files from Daikin McQuay are carefully designed for maximum functionality in Revit with minimal performance impact, but are not an appropriate source for learning about our products. They are not a substitute for product literature or a complete product selection.

Further, the freely downloadable Revit family files and the "template-based" family files do not include most performance-related values. As stated in the instructions, the few values that are provided are for equipment characteristics only at AHRI operating conditions.

Most performance parameters in the Revit families have no value provided because they are for directly storing job-specific conditions, such as design air temperatures, or because they are dependent on product options (mostly electrical) that the Revit models don't track.

Other issues also exist. For example, products change over time due to additional options available, improved manufacturing processes, etc. and there is no guarantee a Revit user is using the latest version of a family. If more of these values were provided in the families, but a Revit user was using an older version of the family in their project, incorrect data could wind up in the building model by mistake.

The only guaranteed accurate source for performance parameter values is the selection software because it has all of the job-specific data *and* is automatically updated as the products change over time.

As such, the following basic workflow process is recommended:

- Start with a *McQuayTools™ Suite* product selection. This can be done by your local McQuay sales representative or by using *McQuayTools™ Suite for Engineers* software.
- Save the product documentation files with the project files. These files serve as long-term references for purchased products, useful in commissioning and facilities management.
- If a job-specific Revit family is automatically generated from the selection software:
    - Load the automatically generated families into the project.
    - Place the instances in the appropriate locations.
- Otherwise:
    - Always download the latest family files or template family files needed for the job.
    - Customize the geometry of template families with the results of the selection software.
    - Load the relevant families and their types into the project.
    - Place the instances in the appropriate locations.
    - Set any remaining performance parameters of interest with the values from the selection software.
- Attach ducts and pipes and link to power panels.
- If using Daikin McQuay schedules, look in the schedule editor for any red cells which indicate values which may not be correct, and verify or correct those values as appropriate.