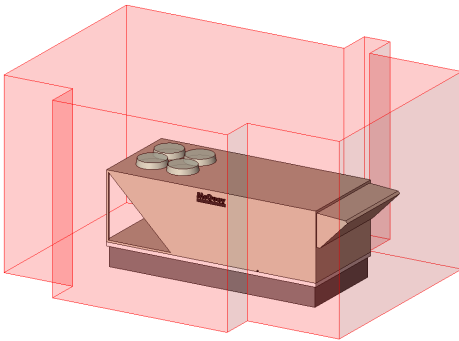


Working with Daikin and McQuay Revit[®] Family Parameters

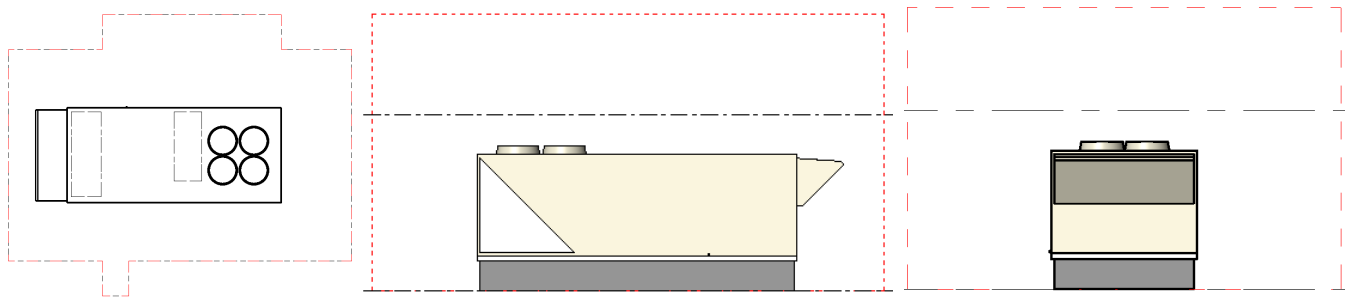
Daikin and McQuay Revit family files include parameters which are useful for controlling the functionality and appearance of the family instances in your project.

Controlling Clearance Volumes

Clearance information is provided in Daikin and McQuay families using 3D clearance volumes, as can be seen here:



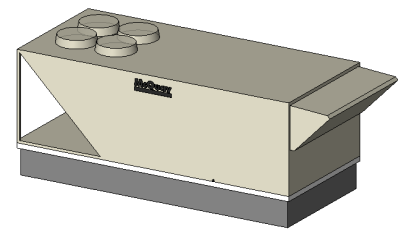
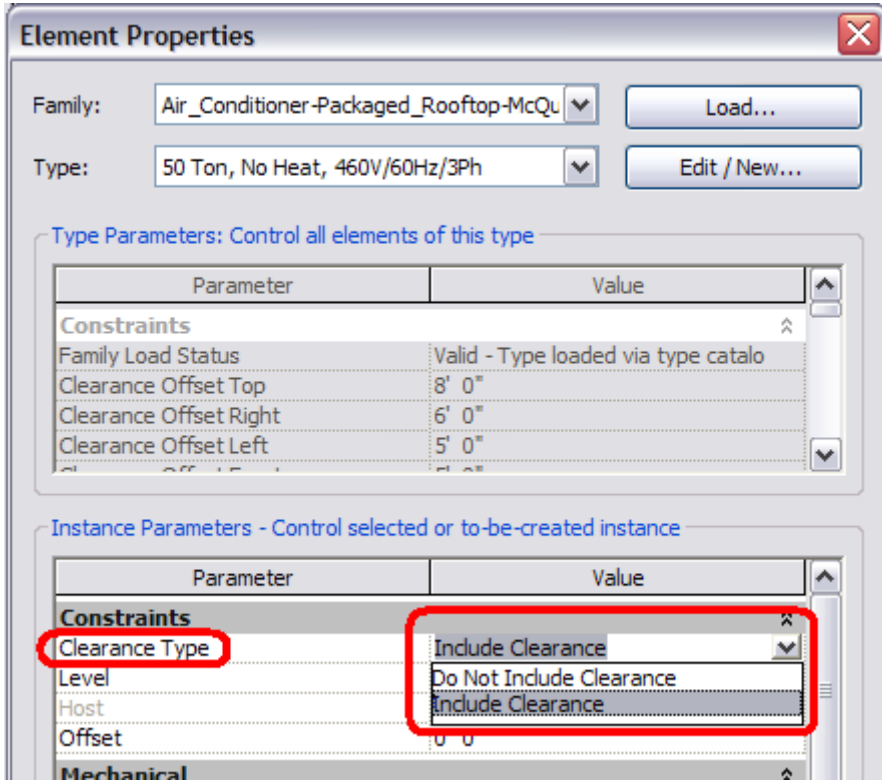
When turned on, clearance information is also visible in the standard projection views (floor plan, North, West, etc.):



Clearance volumes are turned on by default, but can be turned off if desired.

IMPORTANT: When Daikin and McQuay clearance volumes are turned on, they *will* participate in interference checks. When these clearance volumes are turned off, they are removed from the model, and thus *will not* participate in interference checks. So you have control over whether or not clearances participate in interference checks.

Use the “Clearance Type” instance parameter to control whether or not a clearance volume is turned on:



Controlling Geometric Options

Options that affect how the unit is displayed geometrically can be found in the “Construction” group. For example:

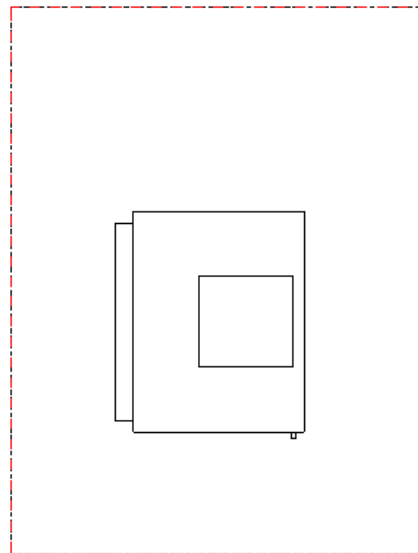
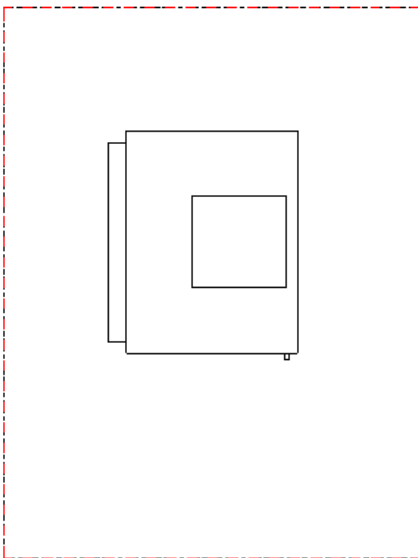
Construction	
Use Tall Electrical Base	<input checked="" type="checkbox"/>
ExtendAir to the Left	<input checked="" type="checkbox"/>
ExtendAir Option Exists	<input type="checkbox"/>
Electrical Base Exists	<input checked="" type="checkbox"/>

These do NOT reflect all options that are available for purchase, only those items that affect how the unit is displayed visually in Revit.

IMPORTANT: Sometimes options in the Construction group affect how the geometry of the clearance volume works, not how the geometry of the unit works.

Construction	
Remove Filter From Front	<input checked="" type="checkbox"/>

Construction	
Remove Filter From Front	<input type="checkbox"/>



Web Site Link (“URL”) Parameters

Daikin and McQuay Revit families include the following URL parameters, located in the “Identity Data” group:

Product Documentation Link

This link will open your web browser to a page where you can get the latest documentation for the product represented by the family being used.

This includes documents such as catalogs, brochures, installation and operation manuals, etc.

Subscribe for Update Alerts

This link will open your web browser to a page where you can subscribe to receive e-mail alert messages whenever existing Revit files are updated, or when new Revit files are available in support of additional products.

Sales Rep Locator

This link will open your web browser to a page where you can find your Daikin or McQuay sales representative.

Free Content Downloads

This link will open your web browser to a page where you can download the latest versions of the Revit family files representing Daikin and McQuay products.

IMPORTANT: The “Resources / Tips” tab on the downloads page includes very useful information, as well as a link to the McQuay Revit Feedback page, which you can use to ask questions about, or make suggestions regarding, the Revit content.

“Actual” vs. “Design” Parameters

Parameters whose name starts with “Actual” define the performance values as actually used or required by the building, and are typically bound to connectors.

Parameters whose name starts with “Design” define the performance values as designed by the manufacturer.

This naming convention is defined by Autodesk.

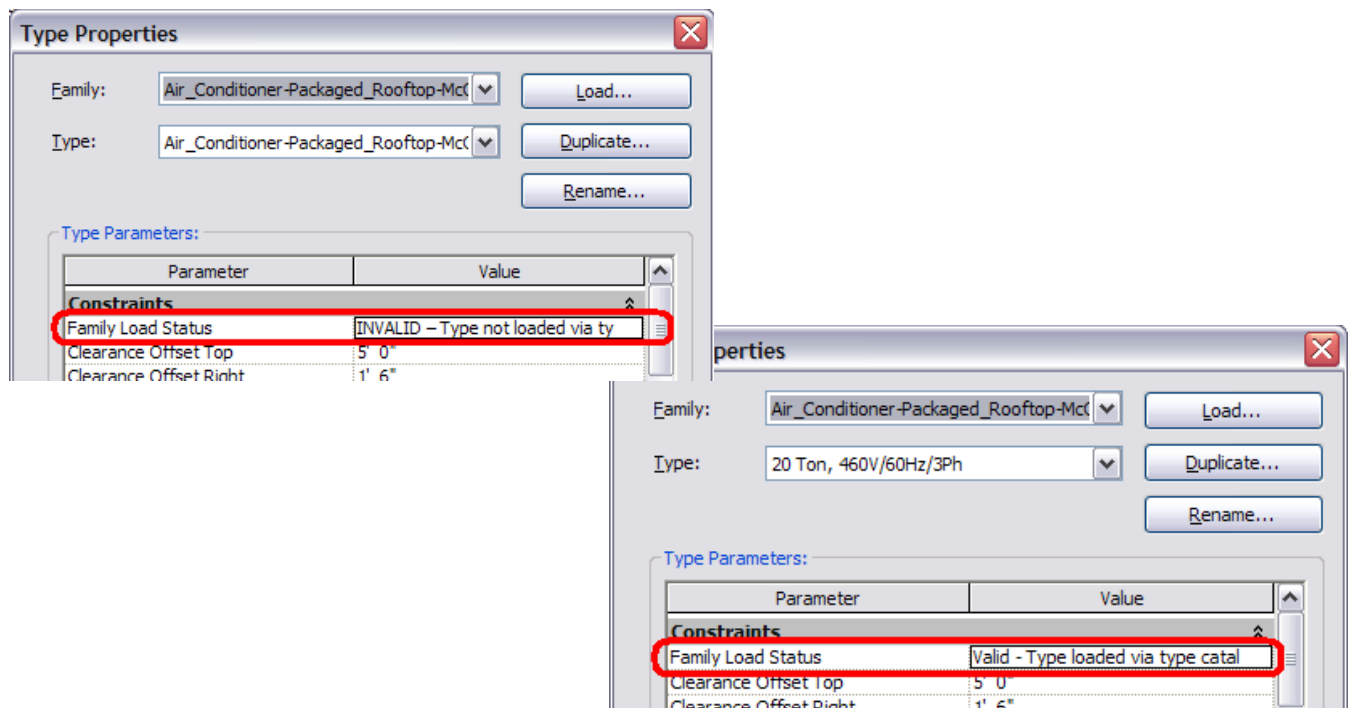
MROPD	Supply Air		Actual Return
	Actual Supply	Available Supply	Air Flow
0 A	25000 CFM	20000 CFM	25000 CFM

Actual Supply Air Flow Design Supply Air Flow

Sometimes only “Actual” parameters exist. For example, if the family consumes a resource such as chilled water, only the “Actual Chilled Water Flow” parameter will exist. Typically you would set that value to match the results of your equipment selection.

The “Family Load Status” Parameter

Many Daikin and McQuay Revit files are provided with separate “Type Catalog” text files. These families must be loaded using the “Load Family” mechanism. If not loaded correctly, the “Family Load Status” parameter will indicate that:



The “Model” Parameter

The *Model* parameter may only contain a partial model number value. This is because full model numbers typically include characters describing options that simply are not tracked in the Revit family.

However, there is usually enough of the model number provided which, along with the family file name, type name and perhaps submittal drawing, should help assure you that you are using the correct definition.

The “Length,” “Width” and “Height” Parameters

The *Length*, *Width* and *Height* parameters measure only the “main box” or “main volume” of the unit, and typically do not include things such as protrusion values for accessories, pipe or duct connectors, etc.