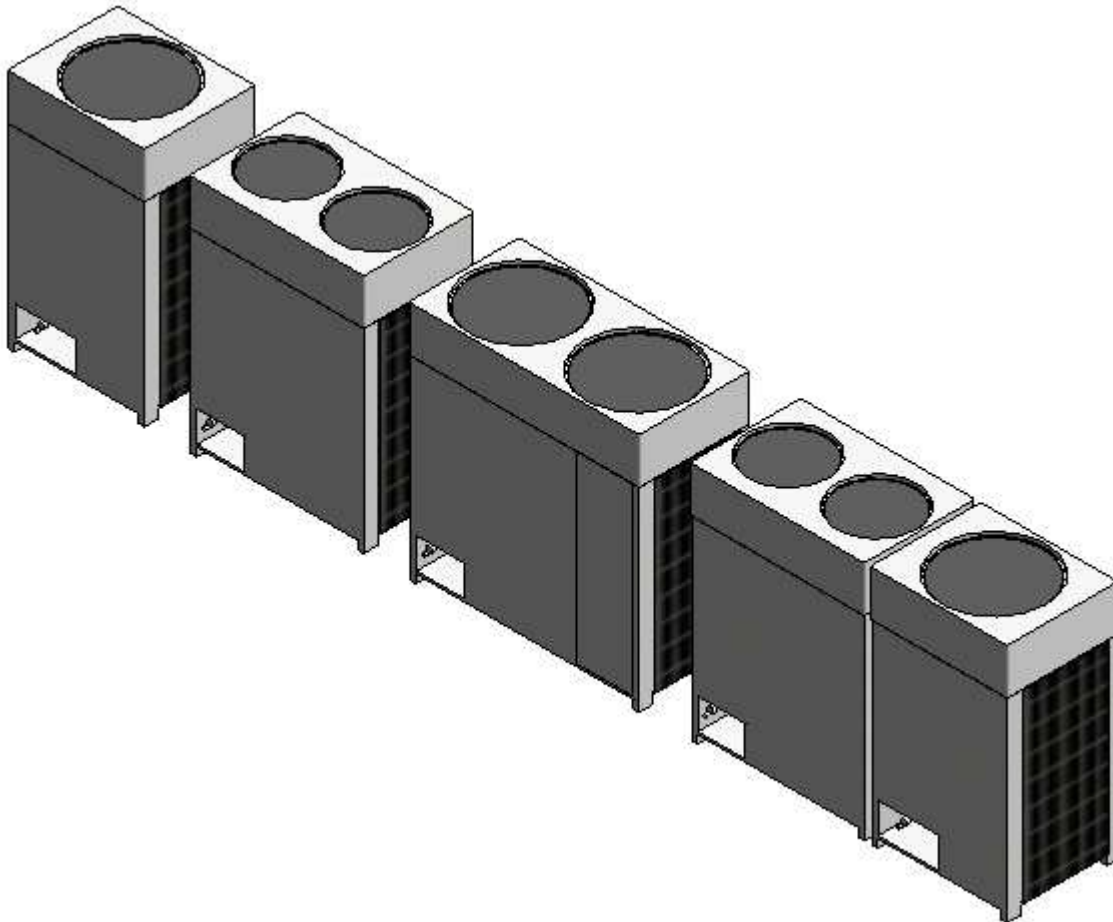


Use of JCI Equipment Revit Models and Family Type Catalogues



YORK Variable Refrigerant Flow, Generation II Outdoor Units

Quick Instructions

1. Download unit-type .zip file:
 - a. Heat_Pump-Split_System-Outdoor-JCI-Single_Unit-6-16_ton.zip
 - b. Heat_Pump-Split_System-Outdoor-JCI-Single_Unit-18-30_ton.zip
 - c. Heat_Pump-Split_System-Outdoor-JCI-Single_Unit-32-36_ton.zip
 - d. Heat_Pump-Split_System-Outdoor-JCI-Single_Unit-6-16_ton-Heat_Recovery.zip
 - e. Heat_Pump-Split_System-Outdoor-JCI-Single_Unit-18-30_ton-Heat_Recovery.zip
 - f. Heat_Pump-Split_System-Outdoor-JCI-Single_Unit-32-36_ton-Heat_Recovery.zip
2. Unzip **all file contents into the same folder**.
3. Load Revit Family, .rfa file, into the Revit Project.
4. Select desired Unit Type(s) from the Unit Type Catalogue.

5. Use the Project Browser to select each Unit Type and create an Instance of the Unit Model within the Project.
6. Modify Type and Instance Properties of each Unit, as necessary.

Detailed Instructions

1) Download unit-type .zip file

The JCI VRF Revit Family models can be downloaded from the BIMObject.com website:

<http://bimobject.com/johnsoncontrols>

When these models are downloaded, they will be in the form of a zipped file which should contain the following items for each model set:

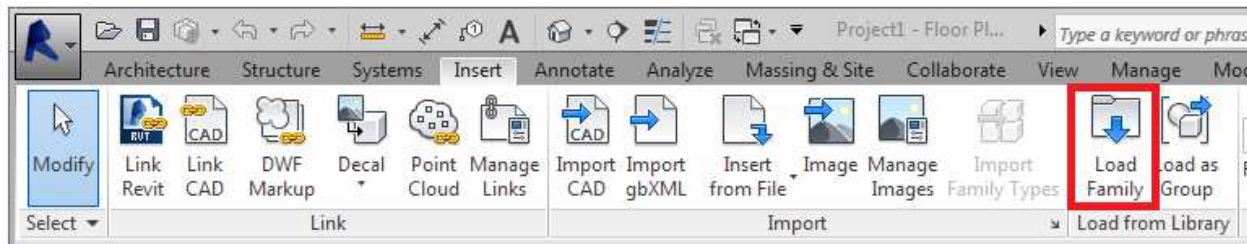
- Revit Family Model - .rfa
- Revit Family Type Catalogue - .txt

2) Unzip all file contents into a single folder

It is important that **all** of these documents are unzipped and saved together in the same folder on the end-user's computer. These files are not to be altered by the end user; doing so will invalidate the design. Any special request changes should be addressed by the JCI team to create a custom model.

3) Load Revit Family, .rfa file, into the Revit Project

Once the appropriate .rfa and .txt files are in the same location on the user's computer, the Revit Project into which they are to be loaded can be opened. From the "Insert" tab on the Revit Project ribbon, the "Load Family" icon should be selected and the user must then navigate to and select the previously downloaded Revit Family .rfa model, from the folder where it has been saved with its associated .txt file.



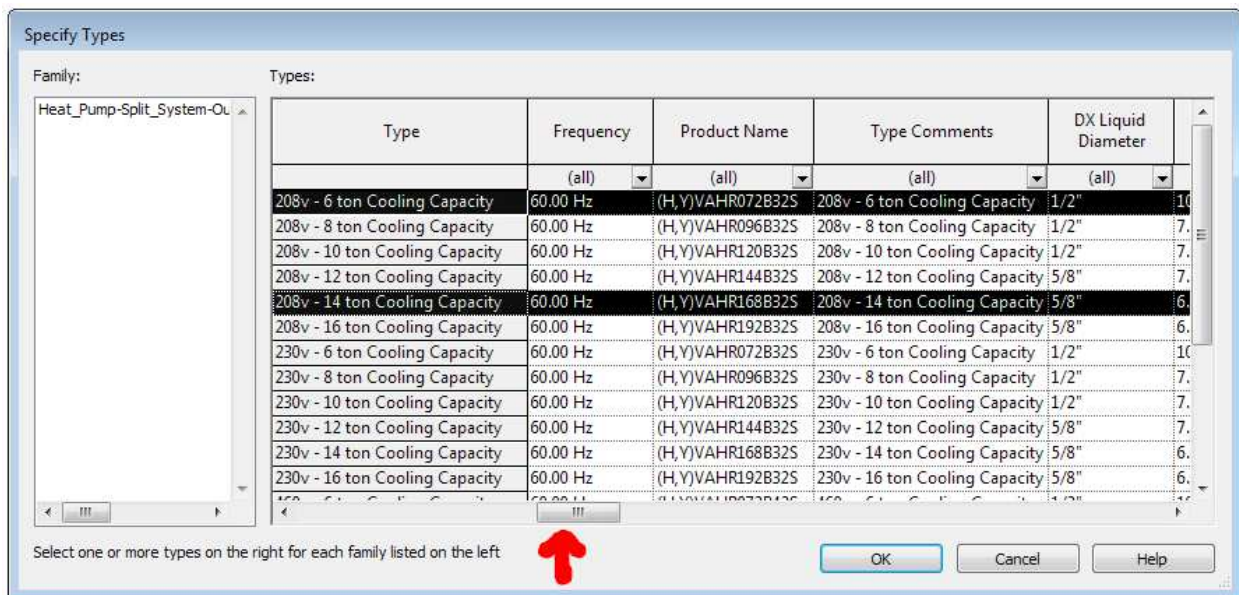
4) Select desired Unit Type(s) from the Unit Type catalogue

If a Type Catalog is associated with the loaded family, the Type Selection dialogue box will be shown. A single Type may be selected, or multiple Types may be selected at one time by holding the “Ctrl” key while selecting the Types.

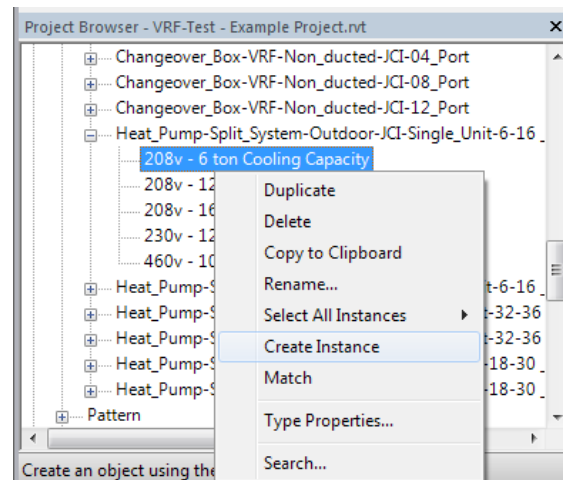
VRF Outdoor Unit TYPE Selection

The available VRF unit TYPE configurations are labeled by Cooling Capacity, and model number; the Type Selector can be scrolled across to the Product Name column. See the JCI VRF Engineering Guide for reference.

5) Use the Project Browser to select each Unit Type and create an Instance of the Unit Model within the Project.



Once the Unit Family Type has been loaded into a Project, it can then be selected from the project Browser, and an instance of the unit may be created by right-clicking the Family Type and then the model can be placed at the appropriate location in the Revit Project.



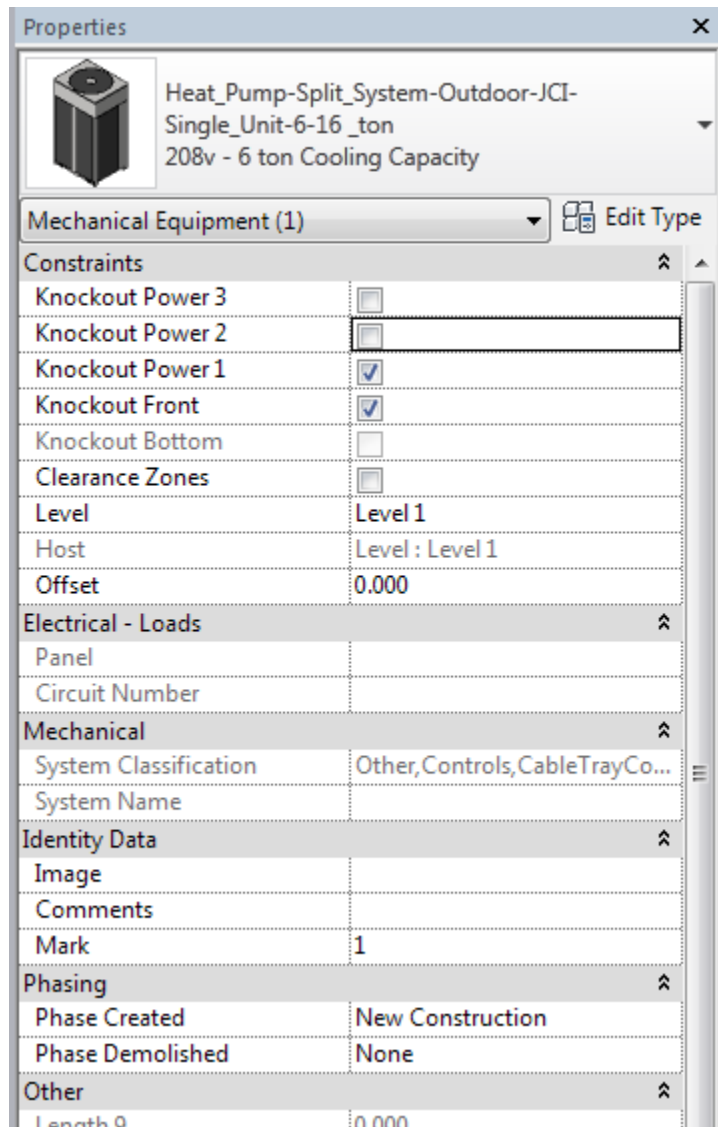
6) Modify Type and Instance Properties of each Unit, as necessary.

The Type Properties of a Unit can be modified by right-clicking the Family Type and selecting the Type Properties.

The Properties of any Instance of the unit can be modified with the Properties toolbar. Specific instance parameter values and geometric properties such as the “Clearance Zones” check boxes can be configured by the end-user, within a project, as necessary. Values of properties associated with connection points can also be adjusted here.

NOTE:

Modifications should not be made to dimensional properties of a unit. Dimensional properties are inherent to the unit design, and any modifications to dimensional properties of a JCI Revit Family will invalidate the design.



Properties	
Heat_Pump-Split_System-Outdoor-JCI-Single_Unit-6-16_ton 208v - 6 ton Cooling Capacity	
Mechanical Equipment (1)	Edit Type
Constraints	
Knockout Power 3	<input type="checkbox"/>
Knockout Power 2	<input type="checkbox"/>
Knockout Power 1	<input checked="" type="checkbox"/>
Knockout Front	<input checked="" type="checkbox"/>
Knockout Bottom	<input type="checkbox"/>
Clearance Zones	<input type="checkbox"/>
Level	Level 1
Host	Level : Level 1
Offset	0.000
Electrical - Loads	
Panel	
Circuit Number	
Mechanical	
System Classification	Other, Controls, CableTrayCo...
System Name	
Identity Data	
Image	
Comments	
Mark	1
Phasing	
Phase Created	New Construction
Phase Demolished	None
Other	
Length	0.000

More JCI VRF Information:

<http://www.johnsoncontrols.com/buildings/hvac-equipment/variable-refrigerant-flow/>