Sales Productivity Tools
Commercial Invest v4.40
Release Sheet

Commercial Invest v4.40 replaces v4.30

UPDATE DESCRIPTION

Commercial Invest v4.40 includes the following changes:
- Added product data and part-load performance models for the new 48/50FC size 08, 09, 12, and 14 units.
- Updated the prescriptive requirements used for generating the building model. For replacement jobs, the existing building model is now based on ASHRAE Standard 90.1-2004 to represent a 15 year old building. For new construction jobs, the new building model is now based on ASHRAE Standard 90.1-2019.
- Updated the ventilation standard used for building modeling calculations. ASHRAE Standard 62.1-2019 is now used.
- Updated the product EER ratings for 48GC M04, 48GC M06, 50GC M04, 50GC M06 to 12.5 EER.
- Revised heat pump low ambient cutoff temperature for mechanical heating to match product catalog specifications for 50FCQ, 50GCQ, 50KCQ, 50TCQ, and 50HCQ. All other heat pump models use -10 F as the ambient cutoff for mechanical heating. Below the cutoff all heating is done by electric auxiliary heat.
- Moved the following models to the "legacy" equipment category used for replacement jobs: 48KC (Low NOx), 48TC (Low NOx), 48HC (Low NOx), 48LC (Low NOx).
- Updated electricity and gas prices for US states using Energy Information Administration 2019 data.
- Improved the speed of the user interface when first starting Invest or opening a new project.

In addition, the following problems were corrected:
- Corrected size nomenclature for the following models: 48FC (Low NOx), 48GC (Low NOx).
- In special situations changing the manufacturer to "user defined" for a heat pump caused the heating capacity and heating performance to be displayed as zero.
- In special situations when a project was opened, the Report Menu and Calculation button remained disabled. As a result reports could not be generated.
- In a project comparing three or more units, the Environmental Impact section of the Comparison Report incorrectly listed the units being compared when stating CO_2e emission savings.
- In the Environmental Impact section of the Comparison Report, CO_2e emission reductions were inccorrectly reported.

INSTALLATION PROCEDURES

Installation via Internet Download
To perform a full program install, please use the following procedure:
- Download the **ecat-rti440.exe** file from the Internet site and save it in a folder on your hard disk.
- Run Windows Explorer and double-click on the **ecat-rti440.exe** file. This launches the program installer.
- Follow the installation instructions which appear on your screen.
- Note: The latest X Builder Framework should be installed prior to installing the Commercial Invest. All can be downloaded from the internet site.

Running the Program
Use the following procedure to run the program:
- From the Windows desktop press Start, choose Programs and then choose Carrier E-CAT and E20-II Programs.
- In the Carrier E-CAT and E20-II Programs group click on the Commercial Invest v4.40 item.

Minimum Computer Requirements:
- Operating System: Operating System: Windows 10 or Windows 11.
- The latest XBuilder Framework should be installed prior to installing Commercial Invest.

PREVIOUS VERSION INFORMATION

1. Project data from Commercial Invest v4.30 cannot be used in v4.40. Continue using v4.30 to finish work in existing projects. Start new projects in v4.40.

2. Commercial Invest v4.40 will not replace v4.30 when it is installed. Therefore, when it is no longer needed, v4.30 can be uninstalled separately using the following procedure:

   - Open Windows Control Panel.
   - Select the Programs and Features item in Control Panel.
   - Right click the item "Commercial Invest v4.30" and choose the "Uninstall/change" option on the pop-up menu which appears.
   - Follow the instructions which appear on the screen.

SPECIAL NOTES

1. **E-CAT Enable.** Commercial Invest requires either an E-CAT Enable preferred customer password or sales office password to run. Without one of these passwords entered in E-CAT Enable, the program will not start.

2. **XBuilder Framework.** The latest X Builder Framework should be installed prior to installing Commercial Invest.