



ECat Software Upgrade to Version 6.0.357/5.0.357

Release date: April 15, 2025

**The install password for ECat v5
CHILLERSAIRHANDLERS17216FANS**

<https://www.aaon.com/ecat-download>

Note: If you need ECat 6 login credentials, they can be provided through registration@aaon.com. There is only one ECat 6 update file, it works for both initial installation and updating the software.

ECat 6 Updates

[Direct ECat 6 Download Link](#)

Forecasting

1. Implemented fix to properly update display when switching from Current to Previous months.

Product Updates

1. New Alpha Class Heat Pumps - Now available under feature A1=K for refrigerant injection compressors for heat pump operation down to -20°F ambient for the RQ-004, RN-007, RN-011 (B Cabinet), RN-016, and RN-020. This new offering includes an extended heat pump performance table, new unit drawings, and the new Stratus Controller (F16B=N). The selections are limited to EC condenser fans (F25), single circuit modulating hot gas reheat (F11A), and do not include the option for low ambient cooling (F12). To calculate performance the mixed air temperature in heating mode must be above 40°F which may require the use of an economizer, preheat, or energy recovery for units with outside air.
2. New Alpha Class Heat Pump Drawings – All RN units with A2=J 'Air Source Heat Pump' now have updated unit drawings. They provide the same information as the old drawings, but are easily distinguished from the previous style by the isometric views and the α in the unit Title Block.

Bug Fixes: Re-Run units affected

General

1. Corrections have been made to reduce the FLA for RQ-004, RN-011, and RN-013 variable speed compressors for 460v and 575v models. Resave these units for an updated electrical rating.
2. Fixed error with minimum airflow not being enforced for R454B units selected without electric or gas heat. Resave units for updated A2L min Airflow on rating page.

RN

3. The option for Single Circuit Low Ambient cooling (F12) with Modulating Hot Gas Reheat features (F11A) have been removed from the A cabinet. Resave any units affected with a valid selection.
4. RN-015 variable speed heat pump models have been adjusted to show performance at 0 degree ambient. Resave any RNA-015 with A1-H and A2-J for updated performance.
5. Adjusted RN-025 variable speed performance, performance may decrease after re-running performance. Resave any RNA-025 with A1-H for updated performance.
6. RNE-075 now uses the same indoor coils as the RNE 090-140. This requires the minimum airflow to increase from 8,203 to 11,250 CFM when DX evaporating coils are selected (A1-H). Selections with a CFM below the new minimum CFM must be resaved at or above the new minimum.
7. Configuration for the RNA185D70 fan on the B cabinet have been updated to better differentiate between full and reduced width wheels. Any unit with this fan selected should resave for a corrected selection.
8. Fixed issues with the length of C-cabinet units with power return. This was causing the corner weights to be incorrect. Rerun to see updated corner weights on the unit drawings.
9. Updated Refrigerant Charge Data on multiple units (RN 6, 8, 9, 10, 11, 15 and 30 ton with various compressor and refrigeration options) as well as adding some missing charge values (certain RN-015). Resave units for updated refrigerant charge values on the rating page.

RQ

10. RQ-005 heat pump is no longer selectable with DX DOAS controls (F16A-S) when a heat wheel is selected (F4A-KQR). Resave any unit with this selection with valid options.

RZ

11. Units with blow-through supply fans and chilled water now show capacities for the chilled water coil on the Unit Conditions tab and rating sheets. Resave any units with chilled water and Blow Thru Supply on feature 1.

Split Systems

12. Split system units with high altitude and gas heat selected now allow saving of the high-altitude gas heat options. Please reselect gas heat options for any split systems with an altitude over 2000ft to ensure that the high-altitude options are selected.
13. H3/V3 controls terminal submittal page has been updated for the VFD terminal points. Resave units for updated points list on the Submittal paperwork.
14. The maximum temperature rise for H3/V3/SB units with electric heat has been decreased from 100 °F to 70 °F. Please rerun any selections with electric heat B1=7.
15. The unit clearances on H3/V3 mixing boxes with access side openings have been updated to account for the door on the opposite standard access side and the clearance on H3E units with 360-400MBH gas heaters (B2-RS) have been updated to show the required dual side access. Resave affected H3/V3 units for updated clearances on the unit drawing title block.

Bug Fixes: Feature & Report Changes

All

16. Fixed an issue with printing reports after editing units and getting 'Sequence contains no matching element' on save.
17. Handling of validation on mixed air calculations adjusted. This may improve the message provided when an error is encountered during performance calculation.

RN

18. Updated labeling on rating page to show IS COP2 instead of COP2 where appropriate.
19. Fixed issue for printing drawings for B-cabinet units with A2-P 'DX Air Handler'.

20. Fixed an issue with the controls submittal page for pool units. A standard space temperature sensor will not be provided with the AAON Controls. It has been replaced with a corrosion resistant return air temperature/humidity sensor and an emulator board.
21. For the D cabinet, disconnects on Feature 13b now have valid options for units with MOP greater than 400A.
22. Some issues with saving RN drawings as a .dxf file have been resolved. This issue was only on older unit selections, not newly added units.
23. A cabinets with an economizer (F4A-E) now pull in one catalog drawing instead of two of the same drawing.
24. Drawings for the 40-ton chilled water units (A3-E, F) have been corrected to only pull in the 40-70 ton drawing instead of a smaller cabinet drawing as well.
25. Low sound condensing fans (F25) are now selectable on the A-cabinet for all units except when A1-K.
26. The option for EC condenser fan with coil guards (F25-G) now selectable for the RN-008, fixing the 'Could not find condenser fan bank definition' error.

Other

27. SA units now show as Longview products when sorting units by location.
28. Fixed misspelling of Description on the Unit Submittal page of the printed reports.

ECat 5 Updates

Product Updates

1. None

Please continue to provide feedback on ECat 6. Our dedicated AAON ECat Team is here to support you. Contact ecatsupport@aaon.com with questions, comments, and bugs.