



ECat Software Upgrade to Version 6.0.361/5.0.361

Release date: October 15, 2025

**The install password for ECat v5
CHILLERSAIRHANDLERS17216FANS**

<https://repcentral.aaon.com/ecat>

Note: If you need ECat 6 login credentials, they can be provided through aaonregistration@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](#)

New Feature Offerings!

1. New Alpha Class Heat Pumps – 5 additional tonnages are now available for refrigerant injection compressors for heat pump operation down to –20 °F ambient. This adds the A1=K option to the RQ-003, RN-006, RN-008, RN-013 (B Cabinet), and RN-030. The selections are limited to EC condenser fans (F25), single circuit modulating hot gas reheat (F11A), the new Stratus Controller (F16B=N), 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.
 - a. The description for A5 has changed for these refrigerant injection units from A5 = S ‘Ultra Low Ambient’ to ‘High Capacity – Low Ambient’ and A5 = R from ‘Low Ambient’ to ‘Standard Capacity – Low Ambient’. Units with A5 = S can run with the unit still operating at full rated capacity as a heat pump in heating mode down to a lower ambient than the other option. Both options are still rated to run at -20°F ambient.
2. Product Lead Times have now been added to ECat and are listed for each unit line item and longest expected lead time for each order.
 - a. Lead times may be updated between releases of ECat. If you receive a marketing notification about updated lead times, you should check if your job lead time will update by right clicking on the job and selecting the option to “Update Lead Time” from the menu. Lead times may also update if you reprice the order (Right Click/Update Pricing) or for a unit if you re-save that unit.
 - b. Note that lead times are provided for reference only and are subject to change. If lead times are critical, it is advised to check lead times with AAON Customer Service prior to ordering.

- c. If you would like the order to not ship until the requested ship date, note this in the email when you submit the order and in the Customer Notes in ECat so that "Do Not Ship Early" is visible on the Order Summary report.
- d. SPA lead times can be input as Additional Lead time on a unit's SPA window to be accounted for with any other features that might add to the unit lead time.

Forecast	No	Job Name	Job N...	...	...	...	...	...	Price Version	Lead Time ⓘ
☐	4	New Order - Basement	Job...	...	...	...	...	...	6.360.0	31
☐	5	New Order - VI heat pumps	Job 34			...	...	ORDER LEAD TIME ➡		30

★ Scenario 1

Show All

Filter Line Item: Recycled

Tulsa Products

Longview Products

SCENARIO LEAD TIME ➡

Lead Time 30

Scenario List P

<< < > >>

✎

View Recycled

No	Qty	Product Description	Tag	Multiplier	Requested Ship Date	Lead Time ⓘ
1	1	RQA-003-A-A-4-KJBTS-A02NA:00-0ADAD-E00-000	3TMHGR	1.000	UNIT LEAD TIME ➡	30
2	1	RNA-006-A-A-2-KJBTR-CA1B0:00-0AC0D-E00-000	RTU #1	1.000	04/08/2026	30
3	1	RNA-020-C-A-3-KJB0S-00000:00-0AG0H-E00-000	RTU #2	1.000	04/08/2026	24

3. RN A-D cabinets and RQ heat pump units may now be selected with auxiliary gas heat. This allows the auxiliary gas heat capacity and leaving air temperature to appear on the unit rating sheet. Note that certain options may be locked out due to temperature and airflow limitations.
4. 93% efficient "HeatBoost" gas heat is now selectable for the H3 and V3 product lines. The previous gas heat options (B1=ABCDEFGH) are no longer selectable in the current release. This was announced as upcoming in March 2025. Each gas heat capacity option in B2 requires the user to stay within a temperature rise of 30-100 d°F across the heater and warnings may be displayed if the selected gas heater is invalid at the current conditions. Refer to the linked [Technical Bulletin](#) for more details.

Features modified or removed

5. RN & RQ units with AAON DOAS controls (F16A=Q or S) and energy recovery can only be selected with the option for enthalpy energy recovery on feature 4C. Re-save any units that were selected with a sensible energy recovery wheel with an enthalpy option if you want to keep DOAS controls.
6. Removed option for return air bypass (F8=GJL) on RNC units with two-step compressors (A1=F). Re-save affected units with a valid option on feature 8.
7. RN-C units with 15-40 kW of auxiliary electric heat have had their electric heat FLA corrected. RN-C units with B5=KLVU must be re-saved for corrected electrical ratings. Nameplate electrical ratings are likely to increase.
8. The option for a DOAS split pairing of an H3/V3 C cabinet to a CFA 3 or 4 ton has been discontinued. Affected split systems must be re-saved with a valid pairing.
9. For RN-D 40-ton units selected with Chilled Water, the performance has been fixed to use the correct coils. Re-save the unit to update the performance.
10. RN-E units - Barometric Relief Damper options were previously available in units with OA options that did not require a relief damper (F4A=BCD). Please re-select units in case barometric relief dampers were selected in those options.
11. The option for TEFC motors has been removed from the RQ to prevent invalid selections. Reselect any affected units with a valid motor casing.

12. The option for belt drive exhaust fans has been removed from the RQ, except for the 15" Backward Curved Aluminum fan (F6C-H). Please re-save any RQ with exhaust fan to verify that the fan/motor selection is valid.
13. For all products, the validations for 0 capacity heaters (modulating auxiliary heat) have been adjusted so a 0 kW auxiliary heater is always a selectable option.
14. RQ air source heat pumps (A2=J) can now select the option for coated indoor/outdoor coils (A4=J).

General Improvements

Changes affecting general usage of ECat or common screens and reports.

15. Fixed an issue with jobs not forecasting when the forecast checkbox on the main window is checked.
16. The speed of generating reports from the Print dialog has been improved and the progress bar now better shows how many unit reports have been completed.
17. Removed option to cancel updating Order Status. Also added an isValid text on the Order Status popup so that it shows green text to indicate all the current data is valid and just needs re-saved OR red text and lists the data that needs updated.
18. Another portion of the AAON Engineering Toolkit containing the Miscellaneous calculators has been added to ECat in the drop downs for HVAC Related EES Calculators. This includes the Fan Analysis, Refrigerant Cycle, and Cross Plot programs.
19. The screen for printing reports now shows the checkboxes for which reports to print in the same order as these reports appear in the printouts.
20. Job Descriptions and Customer names added on the Edit Order screen will now appear on the main order grid in the appropriate column. This fixes an error where they were not displayed after editing.
21. Fixed issue where the unit grid did not display any units for the selected job immediately after the order was edited. Also fixed issue where changes to other Order information appeared to revert when adding a new order.
22. The Last Modified By name shown on the lower left corner of the reports will now show the current ECat user for all reports except the Order Form, which will show the last person recorded to have Edited Order information. Reprint reports to see the updated data.
23. Fixed an issue to prevent endless pricing loops when a job is imported that has no tag on a unit.
24. Fixed issue preventing saving of drawings from the Drawing dialog when the job name has trailing white space characters.
25. Fixed error that claimed there was no Primary Scenario that occurred when editing the Order Status of a job with no units.

Bug Fixes

Solutions to issues that were reported as bugs or feature changes made to update offerings.

All

26. Fan speed in Hz shown on the Order Form in the reports has been corrected to show the speed for the operating conditions rather than the motor nominal.
27. Fixed issue on worksheet report where it was not showing cost for SPAs. Note that the Subtotal and total did include the SPA cost, even when it was not shown.
28. IS COP2 values now populate on rating sheets for DX-DOAS air source heat pump product selections. Re-save units for updated values on the rating sheet.

29. All products with a supply/return/exhaust fan can now display the fan curves and return to the fan selection screen quickly.
30. Fixed issue where the Controller Components table would be on a separate page from the header for certain units.
31. Shipping height and front and back labels for the unit will now be on unit drawings for the RZ and the RNE.

Rooftop Units (bugs affecting multiple products)

32. RN and RQ selected motor type (ODP, TEFC, etc.) will remain as selected on the Fan Selection Tab unless the selection is invalid. This fixes the issue with the fans reverting to ODP or TEFC during fan selection automatically. Verify that the motor type selected on features F3D, F5D and F6D is correct for the respective motor. Note that changes to motor type selection will have an effect on pricing.
33. RN/RQ/RZ units will no longer show the option for shaft grounding on units with only EC motors. Note: Units with multiple fans of different motor types shaft grounding will only be applied to Premium or Permanent Magnet motors. Verify any rooftop unit selected with shaft grounding has at least one valid motor it can be applied to.
34. Electrical information for the 5HP 1760 RPM motor for 575V units has been reduced from 6.1 to 5.3 FLA. Re-save any RN, RZ, or SA unit selected with this motor for updated electrical information.
35. RN updated handling for updating preheat options when cabinet size is changed during selection. Feature 17B on rooftop units has also been set such that it must be selected on the Unit Condition screen under the appropriate component.
36. Rooftop units with MUA AAON Controls now show the Outdoor Air Sensor on the Controller Components table of the Submittal report. Re-save units for updated submittal reports.

RN

RN Feature changes

37. RN-D units may now be saved with disconnects for 450A and greater. Pricing for these disconnects has been updated.
38. RN-A DX air handler cabinets (<8 tons and 10 ton) have been corrected to show the DX coil as single circuit (A5=M) instead of dual circuit (A5=N). Please re-save any affected units for corrected circuitry.
39. The RN-B and -C cabinet units can now be selected with 20kW 2 stage electric heat.
40. RN-E units with propane/LP gas heat can now select 6 stage (B4=F) heating for the 1200 and 2400 MBH heaters (B3=2 or 5).
41. RN-D 26-ton units selected at 208V and no cooling now have an option for 150.2 kW or 180.3 kW of electric heat.
42. RN-A units are now selectable with low sound condenser fans (F25=DH) when the unit is selected at 460/3/60 voltage.
43. Updated minimum airflows for electric heat on RN-E units. Users can now configure RN-E electric heat units with airflows below 11,250 CFM.

RN Reports and Controls changes

44. RN-C 20-ton units with refrigerant injection compressors and 208V, 230V, or 575V power have updated FLA compressor values. Re-save any RNA-020 with A1=K and Voltage=2, 4, or 6 for updated electrical information on the rating sheet.
45. RN-D units with dual circuit modulating hot gas reheat (F11A=1,2) now show the space temperature sensor on the Controller Components page of the Submittal Report. Re-save unit to update paperwork.
46. High-temp heating capacity for the RNA-006 AC digital heat pump has been corrected in the listing data on the reports. Please re-save units for corrected Listing data.

47. Refrigerant charge and the resulting minimum room area for RN-B- and C-cabinet units have been revised based on lab data. For any RN B- or C-cabinet with A1=F, G, or H, re-save the unit to check for updated charge information on the rating on the printed reports.
48. Refrigerant charge and the resulting minimum room area for RN D-cabinet units have been revised due to component improvement and lab data. Re-save the unit to check for updated charge information on the rating on the printed reports.
49. Unit drawings for RN A-cabinet units selected with chilled water cooling have been corrected. Reprint reports for updated drawings.
50. RN Custom Master specs have been updated. Regenerate the custom master spec for any RNA unit selections for updated information.

RN Bug fixes

51. Heat wheel model number updated for the RN D-cabinet with enthalpy Energy Recovery (F4C=CL) and bypass damper (F4A=Q). This is listed on the Energy Recovery page of the Unit Rating report.
52. For pool units, the modulating reheat leaving air temperature can now be set above 80 °F.
53. Fixed a visual bug on the worksheet report for the all parts warranty cost for line items with a quantity greater than one. It was displaying the cost as multiplied by the quantity even though the subtotal and total were calculated correctly.
54. Fixed error for 'Could not find any heaters' for the preheat on RNA C-cabinet 11- and 13-ton units.
55. How preheat model options are stored and set has been adjusted to fix the error "The given key was not present in the dictionary." that occurred when switching to the Fan Selection tab on units with electric preheat on F17B.

RQ

56. RQ units selected with a variable speed compressor (A1=H) and AAON controls are now correctly including the cost for the compressor control board. This will increase the cost of the unit on Feature 16. Re-save the unit for corrected pricing and Controller Components listed in the Submittal report.
57. RQ air source heat pump units with A1-FGH now show an option to select SZVAV or CAV Heat pump controls. The option for CAV heat pump controls has been removed from all non-heat pump units. Re-save all units affected to correct controls option.
58. RQ units now show the Morning Warmup relay on the submittals for units with VAV AAON Controls. Re-save unit for updated controls submittals.
59. The following RQ AHRI Listing Models have had their performance updated:

RQ-003-3-0-HBAC-V0-21-000-A
 RQ-004-3-0-HBAC-V0-21-000-A
 RQ-003-3-0-GBBC-V0-21-000-A
 RQ-003-3-0-FBAC-S0-21-000-A
 RQ-005-3-0-GBBC-V0-21-000-A
 RQ-004-3-0-GBBC-V0-21-000-A

Please re-run performance to get updated listing data.

60. RQ units selected with a 1 HP motor have been corrected to show 230V as the motor voltage regardless of unit voltage. In cases where the unit voltage is not 230V, a transformer will be provided so that the unit power is supplied as selected. Re-save any affected units for corrected electrical data on the rating.
61. The option for electric preheat has been removed from RQ units selected with single phase voltage. Please verify feature 17A has a valid option selected. Affected units may be required to change operating voltage to keep the option for electric preheat.
62. Added missing 2" + 4" filter option for refrigerant injection RQ units where A1=K.

RZ

- 63. Fixed an issue where certain RZ drawings for units with End Return selected were not showing the end wall or OA hoods on the right end of the cabinet drawing.
- 64. Updated drawings for RZ units economizer-only units.

Splits

- 65. Split system issue allowing pairings that were not 1 air handler to 1 condensing unit has been corrected. Any system that may have been selected unevenly should correct their quantities. Note: The Unit performance has never accounted for anything but a one-to-one pairing.
- 66. Line length and elbow inputs on the Split Line Sizing tab will now re-load to saved values on edit. Note: Line sizes must still be selected and saved immediately prior to printing reports to appear on the printouts.
- 67. On Split Systems, the Liquid Line Vertical Lift and Min Subcooling for Vertical Lift have been added to the Line sizing page of the rating report when printed after line sizing has been saved in a selection.

H3/V3/SB/SA

- 68. Increased availability of 4-row hot water coils on the H3/V3/SB products. They can also now be selected with 6-row chilled water coils and some other DX options.
- 69. H3/V3/Splits can now be selected with gas emergency heat when the unit is selected as a heat pump.
- 70. Updated coil, blower, and electric heat weights in the H3/V3/SB units. Updated Compressor, coil, and sheet metal weights for CF units. Re-save your unit to get the corrected values.
- 71. H3/V3/SB dimensions for face velocity calculations have been updated to fix some airflow validation issues.

CF

- 72. The cost of an extended compressor warranty on CF units has been corrected in the calculation of the total unit cost on the unit worksheet. Please re-save any CF unit with F21=D for corrected pricing.
- 73. Removed cost for extra control boards from feature 8B on certain units with AAON Controls. Re-save units to correct unit price for this feature.
- 74. The supervisory controller for R-454B split systems has been updated in ECat. VCCX-IP (ASM07424) has been replaced with VCCX-454 (ASM07503) for any CF condensing units selected with supervisory controls (F8B=J). It will now appear on the Submittals report in the Controller Components Section.

ECat 5 Updates

M2 Product Updates

- 1. The ability to input the surcharge percentage has been added to ECat V5. Please edit any M2 orders to add a 6% surcharge prior to submitting the order. The surcharge percentage can be added on the Edit Order window on the Pricing Tab in the lower right corner of the Order Pricing section. Note this is not a new pricing requirement as all M2 orders have included the surcharge added at order entry.
- 2. In the M2 the error preventing previewing of units with a PHB hot water coil module has been corrected.
- 3. Reworded error message that appears when a job is selected as Non-Taxable but is missing the taxable ID number.

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.