

BULLETIN

MARCH 26, 2024 | BULLETIN 15-24

TO: All Greenheck US Representatives
FROM: Jay Haferbecker
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SUBJECT: CAPS® 4.44 Announcement



CAPS® 4.44 will be released Monday, April 1 at 3:00 p.m. CDT.

The next time you start CAPS, you will be prompted for the update. Highlights are listed below followed by a link to the full list of CAPS 4.44 changes and videos by business unit.

HIGHLIGHTS

Time-Saving Selections

- Addition of air terminal units single duct product offering
- Continue working in CAPS while generating report PDFs (cut sheet, pricing worksheet) in the background
- Expanded variable frequency drives (VFD) on many popular fan models. Makes selecting, configuring, ordering, and installing VFDs much faster with fewer errors
- Expanded the user interface (fast data entry, multi-line editing, global editing) to include access doors, automatic balancing, backdraft, ceiling radiation, and remote balancing dampers
- Add performance-based louver selection
- Mixed flow non-tempered fan model KSQ will now ship fully assembled (saving installation time)

New or Redesigned Products

- Addition of air terminal units single duct product offering
- Industrial grille model XG-RL-SP, added 4 and 8 in. heights and expanded duct diameter availability
- New fire-rated door grille model XG-DGDF-FRS
- Spiral duct grille models XG-4004P/4004SP, expanded duct diameter availability
- Expanded performance ranges and options on the axial wall-mounted models AER and BAER
- Expanded ceiling radiation damper offering on more ceiling fan model SP sizes
- Expanded residential energy recovery to include the ASSURE-140
- Introduction of wind-driven rain FEMA louver model AFL-601
- New factory-mounted and wired outlet damper option for make-up air models DGX, MSX, and Greenheat models
- Grease X-Tractor™ high-efficiency kitchen hood filters redesigned for less static pressure

Availability Updates

- Lead time improvements for wall-mounted fan models AER/BAER, inline fan model SQ, and fan model KSQ
- Quick Build expansion for models SQ and KSQ

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Efficiency/Code Updates

- Added FEI to more fan selections (single-phase induction motors and single-phase Vari-Green® motors)
- Updated and enhanced California Title 20 logic to prevent fan selections under 1.00 FEI
- New A2L refrigerant (R-454B replaces R-410A) – EPA enforcement is 1/1/2025

FULL LIST OF CHANGES:

General (all products):

- Asynchronous printing – when generating PDFs, you can continue working in CAPS while it's processing in the background - [Video](#)
- Select list price adjustments – [Bulletin 9-24](#)
- Users submitting a discount request in CAPS will be asked to provide the following: Estimated Project Release Year/Quarter and Project Type [Bulletin 13-24](#)

United States Manufactured Products

- **Fans**
 - **Axial Fans - [Video](#)**
 - Lead Times
 - AER with fabricated steel propeller lead times updated from extended to standard
 - BAER sidewall propeller lead times updated from extended to standard
 - Updated BAER pricing to be more competitive against competitors and SBE/SBS, SBCE/SBCS
 - Axial hooded rooftop models
 - Miami-Dade NOA was renewed (23-1122.03) so it has a new NOA number
 - Florida Product Approval received with 2023 Florida Building Code (8th Edition)
 - Obsoleted sidewall propeller models SE/S2 (all sizes), SBCE/SBCS/SBE3/SBS3 sizes 48 and smaller (recommend AER and BAER as the replacements) (no new selections)
 - Increased performance on AER (sizes 20–30) and BAER with fabricated steel propeller (all sizes)
 - Filtered wall housing added to BAER (sizes 24–48)
 - Propeller guard added to BAER (sizes 24–36)
 - Added ship loose Variable Frequency Drives for model AER
 - Price adjustment on aluminum filters everywhere offered (SQ, KSQ, BSQ, SAF, RSF)
 - **Ceiling Fans - [Video](#)**
 - No longer accepting orders for the following obsoleted products
 - Whole House Ventilation for SP-B80 and SP-B110ES
 - 220V to 240V motor selections for SP-A110 and SP-A390
 - SP-A1410
 - Started to obsolete (no new selections)
 - Speed controller (internally and externally mounted), grille-mounted motion detector, grille-mounted dehumidistat, and metal wheels for sizes SP-A70 to SP-A125

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- Mounted CRD option for SP-A110 and SP-A125
- 220V to 240V motor selections for SP-B90 and SP-B200, a message will pop up in this CAPS release (4.44) and will be fully obsoleted in CAPS 4.45
- Transformers moved to stock tree only
- New ship loose CRD (Ceiling Radiation Damper) for SP-LP0511H/HL and SP-LP0810W/WL (lighted and non-lighted)
- Residential ERV (Energy Recovery Ventilator) submittal updates
 - New sizes ASSURE-140 and SYNC-180 Top Port configuration
 - Updated sound data
- **Centrifugal Fans - [Video](#)**
 - Obsoleted direct drive forward curved F2 wheel (sizes 6, 7, 9, 10) for model USF (no new selections)
- **Commercial Inline and Rooftop Fans - [Video](#)**
 - Standard lead-time improvements on SQ and KSQ mixed flow selections
 - Expanded Quick Build on many SQ and KSQ mixed flow selections
 - New 1/15 hp Vari-Green® motor on SQ and KSQ (reduced cost over larger horsepower)
 - Addition of shipped loose VFD on SQ and KSQ mixed flow selections
 - Price reduction on KSQ-12
 - Price adjustment on aluminum filters everywhere offered (SQ, KSQ, BSQ, SAF, RSF)
 - KSQ will now ship fully assembled (most sizes/selections)
- **HVLS Overhead Fans – no changes**
- **Laboratory and Fume Exhaust Fans – no changes**
- **Power Roof Ventilators and Roof Curbs (PRV) - [Video](#)**
 - PRV fan models CUE, CUBE, G, GB, AE, and AS are available to meet the requirements of California Title 20
 - Low volume list price adjustments
 - CUE-120-A, CUE-130-A, and CUE-140-A: 5-15% list price increase
 - Hood Hasp option: \$25 list increase
 - Sound attenuating curbs (AT series): 12% list increase
- **Tubular Inline Fans - [Video](#)**
 - Obsoleted the TAUD and TDI (replaced by AX 200 Upblast series)
 - Removed AX 200 series VG selections
- **Air Terminal Units (ATU) - [Video](#)**
- Single duct product offering available for all U.S. reps - [Sales Sheet](#)
- **Dampers - [Video](#)**
- New user interface for Access Door, Automatic Balancing, Backdraft, Ceiling Radiation, and Remote Balancing dampers includes:
 - Fast data entry
 - Multi-line editing

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- Global editing
- Obsolete models/options
 - No longer accepting orders for:
 - Obsolete old user interface for models FSD, SMD, DFD, and/or FD product families
 - Models FBH-23, 33, 43
 - Models FBV-33, 43 – replaced by FBV-23
 - Security Bars for DFD, FD, and VCD product families
 - Stainless steel axle bearings and axle material for WD dampers
- Siemens GXVD series actuators default on select multiple section high FSD and SMD configurations
- List price increases for:
 - Multiple actuator models
 - Curtain Fire (DFD, FD) dampers
 - VCD product family various low-volume options
- **Dedicated Outdoor Air Systems (DOAS)** - [Video](#) [Webinar](#)
 - New A2L refrigerant (R-454B replaces R-410A) – EPA enforcement is 1/1/2025
 - Obsolete models RV-110, RVE-180, and RVC-145 (no new selections)
 - Split DX cooling phase-out
 - 208 volt motor changes (impacts FLAs)
- **Energy Recovery Ventilators (ERV) – no changes**
- **Grilles, Registers & Diffusers** - [Video](#)
 - Updated CAPS Product Tree so GRD products are no longer under the "Air Distribution" category
 - Expanded duct diameter availability
 - Industrial grille model XG-RL-SP, added 4 and 8 in. heights
 - Spiral duct grille models XG-4004P/4004SP
 - NEW! Fire-rated door grille model XG-DGDF FRS
 - Model XG-LM/SM maximum size limit changed to 16 in. x 16 in.
 - Model XG-7000R updated nominal face size availability
 - Rep stock includes:
 - Round ceiling diffuser models XG-3100 & XG-3100S
 - Steel perforated return grilles models XG-SRP & XG-SRPH
- **Healthcare, Laboratory & Cleanroom Products (HLC)**
 - Updated CAPS Product Tree so HLC products are no longer under the "Air Distribution" category
- **Kitchen Ventilation Systems (KVS)** - [Video](#)
 - Grease X-Tractor™ high-efficiency filters redesign for less static pressure

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- 14 in. wide supply plenum now offers 10 in. and 12 in. wide rectangular collars and the 18 in. wide supply plenum now offers 14 in. and 16 in. wide rectangular collars
- Added appliance filter feature within hood marks to filter based on: most common, solid fuel, upper level, or all
- Vari-Flow legacy control is being obsoleted in CAPS 4.45 (no new selections in 4.44).
- UDS/UPS update prevents UPS from being selectable if UDS is selected without gas service
- Removed ability to select exhaust duct collar tight against exhaust top (min. 1 in. off back)
- Residential Range Hood, fixed bug that showed 500 cfm availability on front discharge models
- Greenheck Coordinated Field Fire install +10% list price increase (K11 to remain same) because of rising distributor labor rates

- **Louvers** - [Video](#)
 - Performance-based selection by volume added to the Fast Data Entry selection tool for both intake and exhaust applications - [Video](#)
 - Configuration tab enhancements:
 - Allow changes right in the line for the volume-based performance selection
 - Show volume, velocity, and pressure drop performance info when volume is provided
 - An approximate 70% price increase on 1" and 2" permanent washable filters when selected as an option with the louvers
 - Some actuator model price increases to be aligned with any damper actuator pricing increase
 - Select sizes of model ESD-635DE (Miami-Dade) are no longer available on QD Stock
 - NEW! AFL-601 Wind Driven Rain FEMA Louver Model (6-inch deep, ICC 500 impact qualification) [Bulletin 12-24](#)

- **Make-up Air (MUA)** - [Video](#) [Webinar](#)
 - New factory-mounted and wired outlet damper option for DGX, MSX, and Greenheat models
 - Diffusers are now available for the hybrid centrifugal fan types D1 and D3
 - New touchscreen option for microprocessor control to replace the remote display option
 - Insulated/non-insulated outlet damper options have been removed for all make-up air models
 - CAPS 4.44 will be the last CAPS version that PDX will be available for the DG model