

# BULLETIN

AUGUST 1, 2024

TO: All Greenheck Canada and International Representatives  
FROM: Jay Haferbecker  
Manager, Development Customer Facing Systems  
SUBJECT: CAPS® 4.45 Announcement



**CAPS® 4.45 will be released Monday, August 5 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 4.45 changes and videos by business unit.

## HIGHLIGHTS:

### Time-Saving Selections/Features

- Fan user experience enhancements for models G, GB, CUE, CUBE, SQ, BSQ, KSQ, RSQ, QEI, and QEID - [Video](#)
- Enhanced user interface for damper models HCD, HBT, and HBR (added fast data entry, multi-line editing, global editing)
- Fan models CUE and CUBE have new installation and service features
- Save time by generating report PDFs while still navigating within CAPS – [Video](#)

### New & Redesigned Products

- New direct drive roof exhaust and roof supply fan model RSQ
- DOAS model RVE, new size 20 – includes polymer energy recovery wheel up to 2,000 cfm

### Availability Updates

- Quick Build lead time improvements on inline fan model SQ Mixed Flow

### Efficiency/Code Updates

- Fan FEI values now change when the motor size is changed or bumped up
- MUA FEI calculations have been updated to accommodate single phase for VG fan models
- DOAS new R-454B refrigerant (replacing R-410A)
- SASO Certification (Saudi Standards, Metrology and Quality Organization) on SQ Mixed Flow, KSQ, and RSQ

## FULL LIST OF CHANGES:

- **United State Manufactured Products:**
  - **Air Movement Products**
    - **Axial Fans** – no changes
    - **Ceiling Fans** – [Video](#)

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- SP-LP0511H(L) and SP-LP0810W(L) include a submittal callout for the specific integrated humidity sensor or two-speed capable option
- Obsolete SP-A50-90-VG and SP-A90-130-VG models (covered by SP-AP0511W-1, SP-A200, SP-A390-VG)
- Obsolete CRD (Ceiling Radiation Damper) with grille-mounted motion sensor and integrated dehumidistat for all SP-Bs and select SP-As
- Obsolete 220, 230, and 240 volt motor options on the SP-B90, SP-B150, and SP-B200
- Removed aluminum and galvanized wheel options for the SP/CSP-A70, A90, A110, A125
- Removed Stainless steel grille option for the SP-A700, A900, A1050, A1300, A1550
- **Centrifugal Fans – [Video](#)**
  - Plenum model APD - obsolete BC and C1 wheels (covered by A1 wheel)
  - Blower model USF - obsolete F2 (forward curved) wheel
- **Commercial Inline and Rooftop Fans – [Video](#)**
  - Models SQ, BSQ, KSQ, and RSQ will have some user experience improvements - [Video](#)
  - SQ Mixed Flow price reductions [Bulletin](#)
  - Legacy SQ models with centrifugal wheels list price increases
  - Quick Build Lead Time Improvements on SQ Mixed Flow
  - New direct drive roof fan model RSQ [Bulletin](#)
    - Rooftop supply (filtered) and exhaust applications
    - Sizes 7 thru 33
    - Airflow up to 27,100 cfm and 3 in. wg
    - Vari-Green® up to 10 hp
  - Spark B & C fan construction now available on model SQ Mixed Flow, KSQ, and RSQ sizes 12-33 with EXP motors
  - Added performance baffles on model SQ Mixed Flow and KSQ sizes 7, 9, and 12 for higher pressures at lower flow rates
  - SASO Certification (Saudi Standards, Metrology and Quality Organization) on SQ Mixed Flow, KSQ, and RSQ
  - Obsolete roof supply model SAF (covered by the KSQ and new RSQ)
- **Laboratory and Fume Exhaust Fans – no changes**
- **Overhead Fans – High Volume Low Speed (HVLS) – no changes**
- **Power Roof Ventilators and Roof Curbs (PRV) – [Video](#)**
  - Models G, GB, CUE, and CUBE will have some user experience improvements - [Video](#)
  - Models CUE and CUBE have new installation and service features [Bulletin](#)
    - Removable power pack, toolless entry to motor compartment, lifting points, and dimensional adjustments
    - Impacts the CUE and CUBE sizes 60 to 240
  - Obsolete IEC (International Electrotechnical Commission) motors
  - Obsolete EM-10 damper option
  - Obsolete the mounted curb cap adapters for G/GB sizes 300+
  - Curb Seal default will be “Foam - Applied” on G/GB models when a curb is selected
  - TEFC VG Motors will always show shaft grounding as “Yes”
  - High Wind & Seismic option moved from the Construction tab to the Sizing tab

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- Changed the name of the S.S. Fasteners option to be Fastener Material with answers of Standard/Stainless
- Changed the name of the S.S. Shaft option to Shaft Material with answers of Standard/Stainless
- **Tubular Inline Fans**
  - Models QEI/QEID will have some user experience improvements - [Video](#)
  - New QEIDFJ size 12
- **Conditioning and Ventilating Products**
  - **Dedicated Outdoor Air Systems (DOAS)** - [Video](#)
    - New RVE-20 – includes polymer energy recovery wheel up to 2,000 cfm [Webinar Bulletin](#)
    - Enhanced roof curb drawings
    - New R-454B refrigerant (replacing R-410A) [Bulletin](#)
    - Obsolete Split DX Cooling
    - Obsolete RV-110, REV-180, RVC-145 (covered by RV-75 and RVE-150)
  - **Energy Recovery Ventilator (ERV)** - [Video](#)
    - Obsolete match color chip option
  - **Kitchen Ventilation Systems (KVS)** - [Video](#)
    - Pollution Control Unit, model PCU updates
      - Expanded fan offering to include Gen 2 USF fans
      - Added fan selection flexibility based on brake horsepower, additional static head space, or cost
    - Grease Trapper™ PCU Update
      - Added ability to select specific arrangements of filters and modules on filtered PCUs
      - Added BMS compatibility to filtered PCUs
      - Added ability to increase housing size when lower brake horsepower and/or increase additional static is needed
    - Crossover Hood - now configurable with a 6 in. front height
    - Vari-Flow controls have been obsoleted (DCV selections should use PCB style system)
    - Fixed cold water mist bug that was allowing cold water mist option on non-auto scrubber style hoods
    - Fixed PCU IOMs bug that was not allowing PCU IOMs to generate
    - Fixed supply collar positioning bug that was skewing supply collars in submittal drawings
    - Amerex® fire system list pricing increased roughly 5%, resulted from supplier increase
  - **Make-Up Air (MUA)** - [Video](#)
    - DG-PDX units have been fully obsoleted and are no longer orderable [Bulletin](#)
    - FEI calculations have been updated to accommodate single phase for VG fan models [Webinar Bulletin](#)
    - Updated drawings for the GKD curbs on housings 35 and larger
    - The hybrid centrifugal and larger mixed flow fan models have a 10% price increase
    - Split DX cooling will no longer be selectable for new marks, previously selected units will remain orderable until September 23<sup>rd</sup>
    - Packaged DX cooling selections with R410a will no longer be available, previously selected units will remain orderable until September 23<sup>rd</sup>

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- New PDX design will be selectable after the September 23<sup>rd</sup> CAPS update, but not orderable until CAPS 4.46 on December 2<sup>nd</sup>
- **Dampers** - [Video](#)
  - Enhanced user interface for models HCD, HBT, and HBR (added fast data entry, multi-line editing, global editing)
  - Stopped accepting orders from the old user interface for product families: ICD, MBD, VCD, and SMD-401EF
  - New model HBT-321, heavy-duty rectangular damper for isolation and decontamination applications with AMCA 500-D
  - Expanded Damper stock products offering to include: CRD-1, MBD-10, MBDR-50, VCDR-53, WD-200, WDR-53
  - For models FSD/SMD, enhanced the grid to include blade indicator location and component location code
  - Model OFSD, new 10-inch minimum height with RRL/OCI or TOR closure device
  - Obsoleted models HCD-324 and 524
  - Obsoleted stock products: BD-330-15x15, BD-330-17x17, WD-330-15x15, WD-330-17x17, WD-330-25x25, WD-330-30x30
  - Obsoleted NEMA 3, 4, 4x enclosures for VCD-23V, 33V, 34V, 43V
  - Obsoleted 10 gauge sleeve thickness for stainless steel FSD, SMD, VCD
- **Louvers**
  - Added an override limits feature in the grid allowing selections beyond standard performance boundaries - [Video](#)
  - Added guidance (maximum volume recommendation) to the validation message when selecting by performance beyond standard performance boundaries
  - Added project-specific submittal drawing capability to the new AFL-601 FEMA wind-driven rain louver
- **India Manufactured Products:**
  - Plenum model APM-M - added sizes 800, 850, 900
  - Axial fan model RA3 – added vane section (similar to the model AX)
  - Axial fan model RA - added HEM motors (F, H, and F250)
- **Mexico Manufactured Products:**
  - Added manufacturing for Axial model AER-Exhaust fan (sizes 20 – 48)