

Bulletin: 44-23

TO: All Greenheck International Representatives
FROM: Jay Haferbecker, CAPS Product Manager
DATE: November 29, 2023
SUBJECT: CAPS® 4.43 Announcement



CAPS® 4.43 will be released Monday, December 4 at 3:00 p.m. CST.

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 4.43 changes and videos by business unit.

HIGHLIGHTS

Time-Saving Selections

- ABB variable frequency drives (VFD) can be selected on many popular fan models. This makes selecting, configuring, ordering, and installing VFDs much faster with fewer errors
- New hooded pipe portal: a complete line of pipe portals is now available to save time and coordination with other manufacturers
- HVLS model DM can now be selected and configured using size and performance-based selections
- Expanded the user interface (fast data entry, multi-line editing, global editing) to include all round, AMD/AMS, and face & bypass dampers

New or Redesigned Products

- New SP sizes with integrated lights/humidity sensor and two-speed capable selections
- Reintroduced the concrete block fan, model CBF-205
- AX Upblast Series 200 selections now available for roof upblast configuration
- USF Gen 2 continuation
 - Expanded to include direct sizes 27 through 40
 - Direct drive through size 24 now have High Wind with NOA
- Expanded the residential energy recovery offering with a new model and multiple configurations

Availability Updates

- Improved standard lead time on many models, reference [Lead time bulletin](#)
- Expanded Quick Build program on models SQ (QB5), KSQ (QB15), SP-LP sizes (Next-Day), and crossover hoods (QB5)
- Moved the following products from Extended to Standard lead times: AER with fabricated steel propeller and BAER
- Expanded damper actuator offering (see damper section for details)

Efficiency/Code Updates

- Added ability to set "Efficiency Code Required" for fans in the Job Level defaults
- Added "Comply with Minimum Efficiency Standard" question for ceiling exhaust fans
- New selections of non-tempered MSX units shipping to California to comply with updated codes (CA Title 20)

[Click here](#) for the full list of changes by business unit.

Need assistance? Contact CAPS customer support at (715)355-6523, email caps@greenheck.com, or contact the respective business unit teams with specific product-related questions.

Full list of changes:

General (all products)

- Discount request changes [Bulletin 40-23](#)
- Added ability to set “Efficiency Code Required” for fans in the Job Level defaults under Preferences for new fan selections (Title 24 California, 2015 Washington State Energy Code, and ANSI/ASHRAE/IES Standard 90.1) – no logic changes beyond the job default
- CAPS user experience improvements [Click here](#)

United States Manufactured Products

- **Axial Fans** - [video](#)
 - o BAER enhancements
 - Expanded performance up to 54,000 cfm and up to 3.3 in. wg
 - AMCA Air, Sound, and FEI now available on all sizes and configurations
 - List price adjustments
 - Short wall housing is available on all sizes
 - Propeller guard accessory added to sizes 24 through 36
 - Lead times updated from extended to standard
 - o AER enhancements
 - Removed AER/S2 cross-model selection to speed up AER selection time
 - AER with fabricated steel propeller updated from extended to standard
 - o Stocked upblast models RBUMO and RBU now available in the CAPS stock product tree
 - o Explosion-proof actuated dampers updated to ship loose only
 - o 24VDC actuated dampers updated to ship loose only
 - o Wall collar kits are no longer available on AER/BAER
 - o ABB VFD option available on model AER, up to 15 hp, pre-programmed
 - o Updated axial product simplification plan (see video)
 - o Started motorized damper lifter obsolescence on RDU, RBU, RBUMO [Bulletin 38-23](#)
- **Ceiling Fans** - [video](#)
 - o Added integrated humidity selections: SP-LP0511H and SP-LP0511HL (lighted)
 - o Added two-speed capable selections: SP-LP0810W and SP-LP0510WL (lighted)
 - o SP-LP selections are available on Next-Day Quick Build
 - o Reintroduced the CBF-205 (concrete block fan)
 - o Reintroduced the aluminum grill option
 - o Obsoleted the aluminum wheel on SP-Bs
 - o Obsoleted non-115 volt selections on SP-B110 and SP/CSP-A510
 - o Expanded residential energy recovery with a new ASSURE-140 (standard and mirrored)
 - o SP-AP and SP-LP selections can now have ceiling radiation damper (CRD)
 - o Added mandatory “Comply with Minimum Efficiency Standard” question
- **Centrifugal Fans** - [video](#)
 - o USF redesign (Gen 2) continued
 - Sizes 27 through 40, direct drive arrangement 4 and 8, backward inclined (B6) and airfoil (A2) wheels
 - Control options
 - ABB VFD option up to 30 hp
 - 3-phase Vari-Green® up to 10 hp
 - High Wind w/ NOA
 - Sizes 4 through 24, direct drive, wheels A2, B6, B7, steel wheels
 - Various mountings

- Obsolete model OPA (alternates: MOA or HPA)
- **Commercial Inline and Rooftop Fans** - [video](#)
 - Lead Time updates
 - Added Quick Build program for model SQ mixed flow (QB5 Best)
 - Added Quick Build program for model KSQ (QB15 Best)
 - Start obsolescence of model SAF for August 2024 (replaced by KSQ)
 - KSQ enhancements
 - Added performance baffle to achieve pressures up to 3.75 in. wg
 - Added 1/15 hp Vari-Green® option
 - Motor starters available
 - ABB VFD option (ACH180) available on SQ mixed flow
 - Pre-programmed
 - Up to 15 hp
- **Dampers** - [video](#)
 - Enhanced user interface: fast data entry, multi-line editing, global editing of grid entries, conflict resolution
 - Round Life Safety (FSDR/SMDR)
 - Round Control (VCDR/VCDRM)
 - Round Backdraft (WDR)
 - AMD/AMS and Face & Bypass dampers
 - Life safety damper models FSD and SMD now have a Siemens GXVD actuator option
 - Life safety and commercial control damper models FSD, SMD, and CVD now have a Siemens GJD226.1 actuator option
 - Heavy-duty damper models now have a TRIAC® actuator available (high torque spring return lower cost alternative)
 - Damper models FSD and SMD can have compact actuator with RRL/OCI, TOR closure device
 - Sleeve and transition CAPS accordion for FSD, SMD, DFD, FD models defaults to the open position now, making selections faster
 - For models HCD-120, 130, 135, HCDR-050, maximized actuator selections and availability
 - Discontinued models: FBH-23, 33, 43; FBV-33, 43; AMD-23-TD, 33-TD, 42-TD, 42V-TD
 - MBD-15 list price decrease
- **Dedicated Outdoor Air Systems (DOAS)** - [video](#)
 - Exhaust/return damper updates
 - RV-10 powered exhaust fan turndown to 500 cfm
 - Semco aluminum energy recovery wheel performance updates
 - ISMRE2 unit efficiency
- **Energy Recovery Ventilators (ERV)** - [video](#)
 - Obsolete CO₂ sensor and Airflow monitoring on terminal strip units. Now available on microprocessor selections only
- **HVLS Overhead Fans** - [video](#)
 - Model DM is now configurable for performance and size selections (was previously only in stock tree). Simply enter your dimensions for your space and CAPS will return a ranked list of selections including the fan size and quantity.
- **Kitchen Ventilation Systems (KVS)** - [video](#)
 - List price adjustments [Bulletin 41-23](#)
 - UDS (utility distribution system) enhancements
 - Updated default breaker size to 100A
 - Add GFCI breakers
 - Crossover hoods
 - Enable zero clearance Top

- Enable Quick Builds up to 5-Day
 - Adjusted minimum allowable ceiling enclosure height
 - Updated hood hanging weight calculations to more accurate representation
 - Fire Ready hoods, enabled wall cap selection when selected as top discharge
- **Laboratory and Fume Exhaust Fans**
 - VFD lower cost option (added ABB ACH180)
 - Up to 15 hp
 - 230 or 380/460 volt
- **Louvers**
 - No changes
- **Make-up Air (MUA)** - [video](#)
 - Start obsolescence of the PDX cooling on model DG. Added warning pop-up. No new selections starting in April 2024 (CAPS 4.44) and orders in August 2024 (CAPS 4.45)
 - New electrical connection drawings for housing sizes (H35, H38, H42) on models DGX and MSX and housing H50 on model TSU
 - New selections of non-tempered MSX units for California need to comply with updated codes (CA Title 20). This will apply to units with a BHP > 1 and an FEI < 1
 - Updated UL Listing from UL 1995 to UL 60335-2-40 for models IGX/MSX
- **Power Roof Ventilators and Roof Curbs (PRV)** - [video](#)
 - Obsolete the High Temperature (425°F) option on the CUE-100HP-VG. 400°F is still available with UL 705 Grease listing
 - Pipe Portal Hood now has three styles of pipe penetrations (boot style, hood style, hood/boot combo)
 - ABB VFD option on models CUE and G, up to 15 hp
- **Tubular Inline Fans** - [video](#)
 - AX Upblast 200 Series now available for roof upblast configuration
 - Sizes include 80, 90, 103, 113, 123, 140, 160
 - Available with UL Smoke and Spark B
 - AX 200 Series is available with Spark B construction and/or EXP motor enclosure
 - Consolidated UL Smoke control/High Temp options for models AX 200, AX 300, TAUB, TBI-FS
 - Model TBI-FS, you can now pick the motor position
 - VFD lower cost option (added ABB ACH180)
 - Up to 15 hp
 - 230 or 380/460 volt
 - Available on models AX, QEI, QEID, TDI, TBI-CA, TBI-FS, TAUB, TAUD, VAD, VAB

Mexico/Latin American Manufactured Products

- **Fans** - [video](#)
 - Added AER in sizes 20 through 48 from Mexico
 - Exhaust only
 - Cast props only
 - 47,300 cfm and 1.80 in. wg
 - Wall housing, wall collars, OSGA motor sided guard are available
 - Discontinuing models
 - SDPE/SDPE-D
 - SDPHE
 - SDPR
 - SBPE/SBPS
 - SCE/SCS

India/GIN Manufactured Products

- **Fans**

- RA3
 - Introducing new design with single casing in Model RA3 for sizes 500 - 1120 mm
- AER-M
 - Added new fabricated prop in model AER-M for sizes 500 mm and 630 mm.
- GJ
 - Model GJ now AMCA certified for standard 250.
- DS-M
 - Model DS-M's expanded product range now includes both three-blade and six-blade options, available in sizes ranging from 10 to 24 feet.
- BSQ
 - Single-phase motor offering for the BSQ-M product range, now restricted in CAPS.

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