

Bulletin: 13-23

TO: All Greenheck U.S. Representatives
FROM: Jay Haferbecker, CAPS Product Manager
DATE: March 28, 2023
SUBJECT: CAPS® 4.41 Announcement



CAPS® 4.41 will be released Monday, April 3 at 3:00 p.m. CDT.

The next time you start CAPS, you will be prompted for the update. Highlights, new product additions and obsolescences are listed below followed by the full list of CAPS 4.41 changes and videos.

Highlights:

- Enhancements to fast data entry and multi-line editing for GRDs, Louvers, and Dampers – [Video](#)
- All Vektor® models are now available with stand-alone VFDs
- New Siemens GJD and GRD actuators for Round Life Safety dampers models FSDR and SMDR (discontinued Honeywell MS8103F and MS4103F series)
- Quick-Build options reinstated for all cast aluminum propeller models; expanded Fast Pass to include models RBUMO and RBU and added Stock configurations in CAPS
- Added five-day Quick Build options for SQ Mixed Flow fans all sizes and many accessories
- Ceiling fan product line simplification, elimination of select configurations and sizes of SP, CSP, CBF [Bulletin: 10-23](#)
- Drastically improved lead times on GJI transfer fans
- Changes to UL-705 code have now merged UL-762 (restaurant exhaust) and UL-Smoke into UL-705. Requirements for standard are unchanged. Now select as UL 705-Grease and UL 705-Smoke
- Roof Curb pricing category RC1 and RC5 sliding scale bounds adjusted
- DOAS - New control options: return duct temp or temp/RH control, dehumidification enable options, and space pressure control
- Added 25-day Quick Build option for DGX and MSX H35 with no coils, electric heat, recirculation, service lights
- All preheaters now have an extended lead time

New Products & Obsolescence:

- New Product added to GRD Product Tree:
 - GRD Accessories category added touch-up paint
 - Replacement parts and Hardware category added
- GRD architectural linear enhancements: new frame styles FF, GG, and FH and new plenum sub type for XG-AFLTZ models
- New Linear Bar Grilles: Tape and Spackle (mud in) style frame available for models XG-2000, XG-2300 and XG-2500
- New Siemens GJD and GRD actuators for Round Life Safety dampers models FSDR and SMDR (discontinued Honeywell MS8103F and MS4103F series)

- New model KSQ, direct drive filtered roof supply fan with mixed flow wheel up to 16,750 cfm and 2.75 in. wg. Replaces SAF, KSFD, KSFB, and MSF.
- Models KSFB, KSFD, and MSF are being obsoleted in August, replaced by new KSQ model
- New damper model BTDR-50 (radial blade balancing damper)
- Discontinued ES and SSNM Series dampers and uninsulated RADs sizes 19-24
- Wall-mounted propeller models SE2 and SS2 are being obsoleted
- Obsoleted control centers for reversible hooded rooftop models RPDR, RPDRF, RPBR, RPBRF
- Product line simplification, elimination of select configurations and sizes of SP, CSP, CBF [Bulletin: 10-23](#)
- Model BDF and filtration options on BCFs have been discontinued
- DOAS Hi-Pro Poly coating is being obsoleted (Permatector™ now standard)
- Backward inclined plenum fans on DGX and MSX housings H12-H35 are being obsoleted, identified with a ZA in CAPS
- Paneled bottom options for TSF/TSU models and Hi-Pro Poly finish, match color chip has been obsoleted
- Forward curved fans on DGX and MSX housings H12-H35 and IGX housings H12-H32 are being obsoleted
- 208 and 230 volt preheaters obsoleted on ERV-90/120 and insulated dampers have been obsoleted

Full list of all CAPS changes and enhancements:

General All Products

- New grid editing features, Batch Edit & Global Edit, available for Louvers, Dampers and Air Distribution products that utilize the new CAPS® Experience – [Video](#)
- Multiplier adjustments to offset fuel surcharge [Bulletin: 4-23](#)
- Added California Title 20 compliance check during order placement

Air Distribution: Grilles, Registers, & Diffusers (GRD) - [Video](#)

- New Product added to GRD Product Tree:
 - o GRD Accessories category added touch-up paint
 - o Replacement parts and Hardware category added
- GRD architectural linear enhancements: new frame styles FF, GG, and FH and new plenum sub type for XG-AFLTZ models
- New Linear Bar Grilles: Tape and Spackle (mud in) style frame available for models XG-2000, XG-2300 and XG-2500

Healthcare, Laboratory, and Cleanroom (HLC) - [Video](#)

- Critical Environment products are now called Healthcare, Laboratory, and Cleanroom products (HLC). Existing projects will be updated with the new model names via job convert
- All base model names are changing from “XG” to “HLC”. This change will happen via job convert for any existing projects opened after the April update.
- List price adjustment for Gel-Seal filter models, HLC-GSL (XG-HPL-GS) and HLC-GFR (XG-HRD-GS)

Axial Fans – [Video](#)

- Sidewall models AER and BAER additions and enhancements
- Model AER enhancements: increased pressure to 3.4 in. wg and added fabricated steel propeller to sizes 42 and 48
- Model BAER: added fabricated steel propeller sizes 24 through 36

- Quick Build options reinstated for all cast aluminum propeller models and expanded Fast Pass to include models RBUMO and RBU
- Added stock configurations for select RBUMO and RBU selections
- Wall-mounted propeller models SE2 and SS2 are being obsoleted (December 2023)
- Obsoleted control centers for reversible hooded rooftop models RPDR, RPDRF, RPBR, RPBRF

Ceiling Fans - [Video](#)

- Product line simplification: elimination of select configurations and sizes of SP, CSP, CBF [Bulletin: 10-23](#)
- Grille-mounted motion sensor, extended lead time for models SP-A and SP-B, does NOT impact SP-AP
- Residential ERV enhancements: standard 12-week lead time, small quantities are stocked, added Haven IAQ monitor

Centrifugal Blowers and Plenums - [Video](#)

- Model USF Gen 2 redesign continued - sizes 4 to 24, new configurations for wheel types A2, B7, F3
- Model USF with B7 wheel - added new single-phase Vari-Green® motors, ½ to 1 hp
- Model IP base fan list price adjustment

Laboratory and Fume Exhaust - [Video](#)

- VEKTOR®-H direct drive is now available with HCAI (OSHDP) seismic certification
- All Vektor® models are available with stand-alone VFDs
- Improved lead times on GJI transfer fans

Tubular Inline Fans - [Video](#)

- AX-Upblast size 72 updates: reduction in base size, overall height reduction, and updated minimum CFM to open the butterfly dampers
- All QEID model selections with Vari-Green® motors - default "0-10 VDC" control
- QEI with a motor cover is now available For Outdoor Use

Power Roof Ventilators (PRV) and Roof Curbs - [Video](#)

- New lower priced 2 hp Vari-Green® motor (single-phase, TENV) on models G-160, 180 and CUE-180, 180 hp
- Changes to UL-705 code have now merged UL-762 (restaurant exhaust) and UL-Smoke into UL-705. Requirements for standard are unchanged. Now select as UL 705-Grease, and UL 705-Smoke.
- RC1 and RC5 sliding scale bounds adjusted

Square Inline and Centrifugal Rooftop Fans - [Video](#)

- New model KSQ, direct drive filtered roof supply fan with mixed flow wheel up to 16,750 cfm and 2.75 in. wg. Replaces SAF, KSFD, KSFB, and MSF.
- Added best-value ranking for models SQ, BSQ, and BCF
- SQ mixed flow, added fractional hp motors on sizes 12 and 15, additional voltages
- SQ mixed flow, added many Quick Build options (sizes and accessories)
- Improved Vari-Green® wiring diagrams on many models
- Model BDF and filtration options on BCFs have been discontinued

AMPLIFY™ Overhead Fans (HVLS)

- No changes

Dampers - [Video](#)

- New model BTDR-50 (radial blade balancing damper)
- Enhancements to fast data entry and multi-line editing for models DFD, FD, FSD and SMD
- New Siemens GJD and GRD actuators for Round Life Safety Dampers models FSDR and SMDR (discontinued Honeywell MS8103F and MS4103F series)
- Updated list pricing for Duct Heaters

Dedicated Outdoor Air Systems (DOAS) - [Video](#)

- New control options: return duct temp or temp/RH control, dehumidification enable options, and space pressure control
- Added chilled water and hot water coil options for RV-10
- Standardized selections: energy wheels, dirty filter sensors, rotation sensor, condensate overflow switch

- Added unit FLA values to submittals
- Obsolesced Hi-Pro Poly coating (Permatector™ now standard)

Louvers - [Video](#)

- Enhancements to fast data entry and multi-line editing

Make-Up Air (MUA) - [Video](#)

- New hybrid direct drive fan option for models DGX & MSX in housings H12 through H32. Identified with a D1 or D3
- Added FEI (Fan Energy Index) for most models
- Models KSFB, KSFD, and MSF are being obsoleted and replaced with the new KSQ
- Backward inclined plenum fans on DGX and MSX housings H12-H35 are being obsoleted. Identified with a ZA
- Paneled bottom options for TSF/TSU models and Hi-Pro Poly finish, match color chip has been obsoleted
- Forward curved fans on DGX and MSX housings H12-H35 and IGX housings H12-H32 are being obsoleted
- Added 25-day Quick Build option for DGX and MSX H35 with no coils, electric heat, recirculation, service lights

Energy Recovery Ventilators (ERV) - [Video](#)

- New ½ hp blower motors for MiniCore-5
- Expanded air performance on all Mini models
- Added FEI (Fan Energy Index) for most models
- All preheaters now have an extended lead time

Kitchen Ventilation Systems (KVS) - [Video](#)

- Grease X-Tractor filters have been redesigned
- Reduced max section length changed to 12 feet (longer lengths will be split) [Bulletin: 7-23](#)

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