

Bulletin: 28-23

TO: All Greenheck U.S. Representatives
FROM: Jay Haferbecker, CAPS Product Manager
DATE: August 1, 2023
SUBJECT: CAPS® 4.42 Announcement



CAPS® 4.42 will be released Monday, August 7 at 3:00 p.m. CDT.

The next time you start CAPS, you will be prompted for the update. Highlights, new product additions and obsoletions are listed below followed by the full list of CAPS 4.42 changes and videos.

Highlights:

- For most grille, register, and diffuser products, added “Match Color Chip” option
- For square ceiling diffuser 12x12 module size, added external insulation option
- Added directional destratification fan, model DDF
- For ceiling exhaust fans, models SP-AP, SP-LP & accessories, added F12 pricing category
- For ceiling exhaust models with FV6 sliding multiplier, lowered pricing for large multifamily jobs
- For damper models ICD, MBD, SMD-401EF, and VCD, new user interface added (fast data entry, multiline editing, global editing)
- For damper models FSD and SMD, restored smoke detector option
- For dedicated outdoor air systems, energy wheel simplification on model RVE
- Fume exhaust model Vektor®-H now selectable with up to four fans on a common plenum
- Make-up air DGX housings 32 and 35, restructured base package with many optional features
- For power roof ventilator models, Vari-Green® hand/off/auto accessories added
- Axial inline model AX, added series 100 low pressure sizes 31, 36, 41, 47, 63, 72 for lower price selections for clean air applications
- Axial inline model AX, added series 200 low pressure sizes 80, 90, 103, 113, 123, 140, 160 for medium duty welded, smoke control, or spark B applications

New and Obsoleted Products:

- New products/options:
 - Perforated ceiling diffuser, model XG-7600-6, has new 12x12 module size option
 - Plenum model APD redesign, new aluminum BC and AF wheels with C1 & A1 designations, new size 710 with AF wheel, saved jobs available until CAPS 4.43
 - New supply fan filter diffuser model HLC-FPS, available with integrated LED lighting
 - New reverse/exhaust flow fan filter diffuser model HLC-FPR, available with integrated LED lighting
 - New ducted-in inline fan filter unit model HLC-FPI, available with high output UV-C
 - New fan filter mobile cart model HLC-FPC, available with high output UV-C
 - New kitchen crossover hood, new back shelf hood offering
 - Grease X-Tractor™ redesign, new look with 30% increase in cleanability
 - New AX series 100 low pressure sizes 31, 36, 41, 47, 63, 72 for lower price selections for clean air applications

- New AX series 200 low pressure sizes 80, 90, 103, 113, 123, 140, 160 for medium duty welded, smoke control, or spark B applications
- Obsolete products/options:
 - Obsolete wall-mounted propeller models SBS and SBS levels 1 and 2 belt drive aluminum propellers
 - Obsolete 690 rpm (10 pole) motors (all F&V products)
 - Updated sidewall obsolescence plan for calendar year 2024
 - Obsolete ceiling exhaust fan's architectural and stainless steel grilles, 50/60Hz 220–240 volt selections for SP-B110, and SP-B aluminum wheels
 - Obsolete plenum fan model APD steel wheel, blower model IP motor positions X & Y, and fan monitoring system
 - Obsolete damper models AMD-23-TD, AMD-33-TD, AMD-42-TD, AMD-42V-TD
 - Obsolete face & bypass models 12-gauge frame thickness and coatings
 - Obsolete the louvered penthouse model PEV-400
 - Obsolete the roto crank manual actuator on the operable blade louver models
 - Obsolete the anodized finish option for Miami/Dade penthouse models EHH-601PD and ESD-635PD
 - Forward-curved make-up air models DGX/MSX with housings H12-H35 and IGX with housings H12-H32 are fully obsolete
 - Backward-inclined plenum fans on make-up air models DGX and MSX units housing H12-H35 are fully obsolete
 - Non-tempered make-up air models KSFB, KSFD, and MSF are fully obsolete. Replaced by new direct drive KSQ fan

Full list of all CAPS changes and enhancements:

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

- Added “Match Color Chip” option for most commonly selected products
- Drum louver model XG-RL, added 4 and 8 inch heights and expanded the available lengths
- Perforated Ceiling Diffuser model XG-7600-6 has new 12x12 module size option
- Linear Bar Grille 1/8 inch bar models, expanded maximum width 24 inches
- Square Ceiling Diffuser 12x12 module size, added external insulation option
- Spiral duct grille model XG-4004P, added finish color options
- Custom-sized plenum models XG-UP/XG-UPI, added damper options
- **Axial Fans - [Video](#)**
 - Model BAER enhancements: added sizes 42 and 48, added supply & downward airflow options, and added propeller guard option
 - Obsolete models SBS and SBS levels 1 and 2 belt drive aluminum propellers
 - Obsolete 690 rpm motors (all F&V products)
 - Updated sidewall obsolescence plan for calendar year 2024 built into CAPS for affected models [Bulletin: 26-23](#)
- **Ceiling Fans - [Video](#)**
 - New F12 pricing category specific to SP-AP and SP-LP fans and accessories
 - Previously quoted products in FV6 need to be requoted
 - Updated FV6 sliding multipliers with lower pricing for large multifamily jobs
 - List price increase on very select fans and accessories [Bulletin: 24-23](#)
 - Obsolete architectural and stainless steel grilles, 50/60Hz 220–240 volt selections for SP-B110, and SP-B aluminum wheels
 - Residential ERV submittal enhancements
- **Centrifugal Fans - [Video](#)**
 - Plenum model APD redesign, new aluminum BC and AF wheels with C1 & A1 designations, new size 710 with AF wheel, saved jobs available until CAPS 4.43
 - Blower model USF, improved direct drive selection results and added top view drawing

- Plenum model HPA, added inlet damper weight
- List price adjustments on models APH, APM, HPA, PLG, USF sizes 33 and larger and IP size 26 and larger
- Obsoleted plenum model APD steel wheel, blower model IP motor positions X & Y, and fan monitoring system
- **Dampers - [Video](#)**
 - New User Interface for models ICD, MBD, SMD-401EF, and VCD (fast data entry, multi-line editing, global editing)
 - New BACnet® test module for life safety damper models FSD and SMD
 - Smoke detectors restored for models FSD and SMD
 - HCD-LE models available on 10-day quick build
 - Obsoleted models AMD-23-TD, AMD-33-TD, AMD-42-TD, AMD-42V-TD
 - Obsoleted 12-gauge frame thickness and coatings for Face & Bypass models
 - Select list price adjustments DFD, FD, VCD and heavy-duty models CRD-60, MBD-15, WDR, and SSWDR [Bulletin: 24-23](#)
 - Select Honeywell and Siemens actuators and paint finishes have varied list price increases
- **Dedicated Outdoor Air Systems (DOAS) - [Video](#)**
 - New powered exhaust option for model RV-10
 - 81% efficient indirect gas furnace
 - Added ISMRE2/ISCOP2 unit efficiency
 - Changed unit Listing UL-1995 to UL-60335-2-40
 - Energy wheel simplification for model RVE
- **Energy Recovery Ventilators (ERV) – [Video](#)**
 - Updated ETL Listing from UL-1995 to UL-1812 for models ERV, ERVe, and ERM
- **Healthcare, Laboratory, and Cleanroom (HLC) - [Video](#)**
 - New supply fan filter diffuser model HLC-FPS, available with integrated LED lighting
 - New reverse/exhaust flow fan filter diffuser model HLC-FPR, available with integrated LED lighting
 - New ducted-in inline fan filter unit model HLC-FPI, available with high output UV-C
 - New fan filter mobile cart model HLC-FPC, available with high output UV-C
- **HVLS Overhead Fans - [Video](#)**
 - Added directional destratification model DDF to the configurable tree for size-based selection and performance-based selection
- **Kitchen Ventilation Systems (KVS) - [Video](#)**
 - Crossover hood, new back shelf hood offering
 - Grease X-Tractor™ redesign, new look with 30% increase in cleanability
 - Controls with VFDs, enabled quick builds up to a 10-Day
 - Finished back hoods, updated and redesigned
 - Insulated end panels, enabled on tapered hoods
 - Exhaust collars on hood back, available on Greenline if shipped loose
- **Laboratory and Fume Exhaust Fans - [Video](#)**
 - Vektor®-C series with integrated Energy Recovery Systems (ERS) now available up to 65,000 cfm
 - Vektor®-H now selectable with up to four fans on a common plenum
- **Louvers**
 - Obsoleted louvered penthouse model PEV-400
 - Obsoleted the roto crank manual actuator on operable blade louver models
 - Obsoleted the anodized finish option for Miami/Dade penthouse models EHH-601PD and ESD-635PD
 - Select list price adjustments [Bulletin: 24-23](#)
- **Make-up Air (MUA) - [Video](#)**
 - New direct drive fan option for models DGX & MSX in housing H35, identified with a D1 or D3

- Calculate system can now be used to configure DGX 80/20 recirculation units
- Base Package restructured for DGX housings 32 and 35 with many optional features now selectable
- List pricing restructured for DGX housings H05-H35 [Bulletin: 24-23](#)
- Updated electrical connection drawings for housings H12-H32 for models DGX, IGX, MSX, and VSU
- Microprocessor controls are now available for DGX-H05
- Forward-curved fans on DGX/MSX with housings H12-H35 and IGX with housings H12-H32 are fully obsolete
- Backward-inclined plenum fans on DGX and MSX units housing H12-H35 are fully obsolete
- Models KSFB, KSFD, and MSF are fully obsolete. Replaced by new direct drive KSQ fan [Bulletin: 21-23](#)
- **Power Roof Ventilators and Roof Curbs (PRV) - [Video](#)**
 - New Vari-Green® hand/off/auto accessories
 - Wall grilles for sidewall-mounted models CUE/CUBE are available as a stand-alone product
 - All PRV Fast Pass fans and accessories moved to pricing category FV7
 - Various price adjustments [Bulletin: 24-23](#)
- **Square Inline and Centrifugal Rooftop Fans - [Video](#)**
 - Price increases and lead time adjustments on various models [Bulletin: 24-23](#)
 - Curbs are now available for selection on the KSQ with horizontal discharge
 - Updated KSQ MERV13 filter drop corrections
- **Tubular Inline Fans - [Video](#)**
 - New AX series 100 low pressure axial sizes 31, 36, 41, 47, 63, 72 for lower price selections for clean air applications
 - New AX series 200 low pressure axial sizes 80, 90, 103, 113, 123, 140, 160 for medium duty welded, smoke control, or spark B applications

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.