

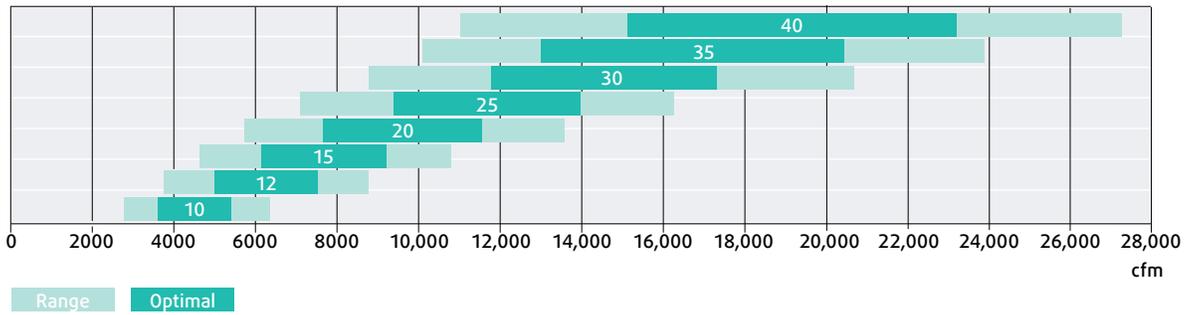
Geniox. The next generation air handling unit.

Simply the smartest, easiest way to superior indoor air quality & energy efficiency.

- One box, many uses**
 DOAS, MUA, ERV or integrated VRF module, perfect for offices, schools and shopping centers.
- High performance casing design**
 Our new, double wall, thermal break design casing provides the best choice for minimal energy loss.
- Easy service**
 All components are designed to facilitate maintenance, which ensures a long reliable operation.
- Building management system (BMS)**
 Geniox is supported by the most common communication standards such as BacNet.
- High efficiency unit**
 Using only the best internal components, ensures an energy efficient and sustainable ventilation solution.
- SystemairCLICK - easy selection**
 Our design program ensures an optimal dimensioning of the Geniox's functions, quickly and easily.
- Warranty**
 The Geniox is backed by a limited warranty up to 18 months.



WORKING RANGE



INNOVATIVE FEATURES



- 1 **Casing.** High performance casing for minimal energy loss.
 - Thermal break casing design
 - Double wall panel, 2.4" R-14 injected foam insulation
 - Minimized air leakage rate with a complex gasket design (< 1% @ +/- 8" w.g. ASHRAE 111 SMACNA Class 6)
 - < L/240 @ +/- 8 in. w.g. panel and door deflection
- 2 **Panels.** Elimination of thermal bridges due to separation between inner skin and outer skin with a plastic gasket on the edges and removing metal-to-metal contact.
- 3 **Frame/profiles.**
 - High corrosion resistance
 - External powder coated, galvanized steel profiles
 - Internal aluzinc
- 4 **Filters.** Compact bag filters, Merv9-Merv14, ensure a low initial differential pressure. Panel Filters, Merv8-Merv13, are also available.
- 5 **Corners.** Designed of ABS thermoplastic polymer ensures minimal thermal bridging.

Handles and hinges. Practical lockable handles and hinges make it possible to disassemble all doors and provide a space-saving solution that is easy to service.
- 6 **Control system.** Geniox can be furnished with our fully tested, preconfigured BACnet MS/TP controller. Or, we can deliver with your 3rd party controls factory installed, or, DDC ready with or without controls panel.
- 7 **Energy recovery (optional).** High quality and energy efficient exchangers are available: Wheel (Sensible, 3A Enthalpy) and Plate Exchanger (Sensible, Enthalpy).
- 8 **Fan/motor.** Variable-speed EC motors, or AC motors with optional factory VFD ensures your selection of the most energy efficient system.
- 9 **Dampers.** Aerodynamically profiled blades and best in class low leakage. Tightness class 1A (AMCA 500-D).
- 10 **Outdoor Base Frame.** 12" G90 galvanized steel rail hugs the perimeter of the Geniox factory roof-curb providing strength and all weather protection..

Service and maintenance. All panels, doors and openings have easy access for cleaning and service.

Diamond Plate Floor. Alluminum tread plate ensures safety against slips and sturdy construction for withstanding weight and corrosion.