

Comfort and value for the classroom



Ultra-quiet performance and outstanding value provide ultimate classroom comfort

Introducing the Johnson Controls line of unit ventilators. Johnson Controls has been providing safe, sustainable, and comfortable school environments for 125 years, and can provide a complete solution for all your K-12 or higher education needs.

The Johnson Controls line of unit ventilators provides classroom comfort that improves the learning experience. Our quiet design eliminates distractions from sound while keeping the environment comfortable. The units use outdoor air on many days, reducing the need for mechanical cooling. This reduces the lifecycle cost of the unit.

Johnson Controls unit ventilators are ETL-listed, certified in accordance with ANSI/UL Standards, and are certified under AHRI-840, the program for unit ventilators.

Each unit can include an optional Johnson Controls controller that can be connected to Metasys or any other BACnet-based building management system. This controller also takes advantage of years of Johnson Controls experience and can come pre-programmed to provide efficient equipment operation.

Features

Economical operation—Johnson Controls unit ventilators have low initial costs, but they also save money by reducing installation expense and providing long-term, energy-efficient operation.

Indoor air quality—The combination of features in Johnson Controls unit ventilators ensures that only clean, healthy, conditioned air is delivered to the occupied space.

Heavy-gauge steel cabinet—Provides secure, dent-resistant protection for internal components. Cabinet exterior has a baked-on polyurethane, textured powder-coated finish for corrosion- and scratch-resistance, while providing an enhanced appearance.

Front access panels—Panels are secured with hex-head fasteners to provide tamper-resistance, while maintaining easy maintenance and service access.

Wide selection of factory-installed coils—Includes chilled and hot water. DX, steam, and electric-resistance heat coils also available.

Mechanically bonded aluminum fins—Provide improved heat transfer with corrosion- and vibration-resistance. Copper tubes are standard.

Condensate drain pan—Catches condensate from coils and can be configured for right- or left-hand drain connection and is field reversible in the event that requirements change after the units are on site. Pans are double-sloped.

One-piece filter—Cleans the air before it is introduced into the room. Unit is shipped with a 1-inch throwaway filter and can accept permanent or renewable media filters. An optional 2" filter is also available.



JCUV and JCUH Models
500-2000 CFM



Fewer moving parts—Lowers operating cost by enhancing reliability and making service easier.

Controls options—Includes the Johnson Controls FEC controller which offers wireless connectivity to both the temperature sensor and communications network.

Mixing damper—Controls the blend of outside air and room air to achieve comfort levels. When the outside air is suitable, damper can fully open to provide free-cooling.

Enhanced performance and safety—Draw-thru blower arrangement distributes air across entire coil face for uniform discharge temperatures. Draw-thru design also eliminates hot spots in electric-heat coil to maximize heating-element life.

High-efficiency, precision-balanced blowers—Minimize air turbulence, surging, and vibration to minimize operating expenses.



PSC motors standard—Provides for ease of service and commonality of parts. Electronically commutated (ECM) blower motor option saves energy and has impedance protection with automatic reset. ECM motors will be shipped on units with high-static applications. Motors are mounted out of the air stream so they are not subjected to coil heat, further contributing to long motor life.

Vibration-dampening components—Self-aligning, fan-shaft bearings, vibration-isolating motor mounts and flexible drive-shaft coupling isolate the rotating components from the rest of the unit to ensure vibration-free operation.

Efficient direct-drive motor—Prevents alignment problems. Blowers share a common hollow shaft connected to the motor with resilient coupling.

For more information on the Johnson Controls line of unit ventilators, please contact your nearest Johnson Controls office.

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