

COMMERCIAL COMFORT SYSTEMS

SINGLE PACKAGED UNITS  
SERIES 5



3 - 5 TONS

# Reliable comfort



# Efficiency meets reliability.

Reliable temperature control is critical to maintaining a comfortable, productive building environment. Many smaller buildings rely on rooftop units to control the temperature of their building. But, not all units are created equal. Johnson Controls takes rooftop units to the next level with the Series 5 single packaged units. We offer environmentally responsible HFC-410A units to meet nearly any heating and cooling need. When it comes to delivering reliability, efficiency and overall performance, the Series 5 from Johnson Controls tops the list and roof.

## Single packaged units you can rely on

Johnson Controls Series 5 provides optimum comfort and reliability from a single packaged unit. Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof.

Cooling only, cooling with one or two stage gas heat and cooling with supplemental electric heat units are available with a wide variety of field-installed accessories to make them suitable for almost every application. Every unit is completely piped, wired, charged and tested at the factory to simplify the field installation.

The Series 5 models are backed by a 10-year limited warranty on the heat exchanger; a 5-year limited warranty on the compressor/electric heater elements, plus a 1-year limited warranty on all other parts.

Johnson Controls has a long history of finding better ways to solve heating and cooling needs just like yours. Johnson Controls will customize your Series 5 unit to meet your needs.

## Low Operating Costs

At up to 80% SSE, heating costs can be significantly reduced, so you stay comfortable year-round for less. At up to 13 SEER, cooling costs can be substantially reduced when replacing an older system. In either case, you can rest easy knowing your system is keeping occupants comfortable without breaking your budget.

## Low Installation Cost

These models also save money because they are designed to minimize installation time. They can easily be converted to bottom or side airflow by just moving two panels. Gas and electric connections can be made quickly, and a simple control circuit makes control setup fast and easy. Field installed accessories are slide-in/plug-in for quick installation, and economizers can be installed and wired at the factory, leaving only the rain hood to be installed in the field. All this means the installers spend less time on your roof, and that saves you money.

## All models are available with four different outdoor air damper accessories

- Single enthalpy economizer
- Single enthalpy economizer with power exhaust
- Single enthalpy economizer with barometric relief
- Motorized outdoor air intake damper

Supply air blowers are equipped with a direct drive that can be adjusted to meet the exact requirements of the job. A high static drive or belt drive option is available for applications with a higher CFM and/or static pressure requirement.

Gas heat models are built with one or two stages of capacity control. All electric heat models employ nickel chromium elements mounted at the discharge of the supply air blower and are wired for single point power.



Capacities  
3 - 5 tons  
Efficiency  
13.2 SEER/80.9% SSE



Even as a stand alone unit, you get total control with the following features:

**Single or Multiple Zones** for constant- or variable-air volume

**365-Day Real Time Clock** with automatic Daylight Savings Time adjustment.

**Occupancy Schedule** allowing two different occupied schedules per day for each of the seven days of the week.

**20 Holiday Schedules** with a length of up to 99 days, each with flexible start times.

**Energy-Saving Economizer Operation** with the flexibility of using dry bulb, outside enthalpy and differential enthalpy. Our economizer enthalpy control has setpoints for outside air temperature, supply air temperature, small space cooling demand, and large space cooling demand.

**Demand-based Ventilation** control using CO<sub>2</sub> sensing for improved indoor air quality.

**Comfort Ventilation Control** tempers the ventilation air when heating or cooling is not required, saving energy.

**Temperature and Humidity Algorithm** offsets the operating setpoint based on high humidity in the space—with programmable limits to control humidity.

**Low and High Ambient Lockout** to prevent cooling below or heating above a programmable setpoint of outside air temperature.

**Space Temperature Alarm** in the event that temperatures exceed programmable limits.

**Smoke Purge** automatically ventilates space when smoke is detected.

**Dirty Filter Switch** to detect dirty filters.

**Intelligent Recovery** brings space temperature to the occupied setpoint just before occupancy. The control will “learn” how much runtime is required to heat or cool the space to setpoint before occupants arrive.

**Anti-Short Cycle Delay** of 5 minutes to prevent energy-wasting short cycling.

**Gas Monitor** for safe heat operation.

- HFC-410A refrigerant for environmentally responsible operation
- Cooling efficiency is 13 SEER and heating efficiency is 80% SSE
- Cooling capacity: 3 to 5 tons
- Heating capacity: 40 to 80 MBH output
- Easy and low cost installation
- Cooling only or cooling with gas or electric heat
- Optional factory mounted building automation controls

#### [Connect to the industry's most advanced commercial control system](#)

Johnson Controls Series 5 single packaged units can be easily integrated into the Commercial Comfort Systems family of controls. These controls are specifically engineered for Johnson Controls single packaged units. They provide patented Johnson Controls technologies, including self-tuning algorithms, in a complete package. The controllers, sensors and damper assemblies are engineered and pre-configured so they're easy to startup and commission. No programming or any specialized controls knowledge is needed to run the system. The sleek, innovative system manager has an integrated, browser-based interface for remote monitoring, accessible by its own color touchscreen display. As a result, the Johnson Controls Series 5 single packaged units will give you maximum comfort and efficiency.



SERIES 5 GAS/ELECTRIC HIGH EFFICIENCY								
Model	Cooling Capacity	Efficiency	Sound Rating (dB)	Gas Heating Performance			Unit Dimensions (in.)	Operating Weight (lbs.)
	MBH	EER		MBH Input	MBH Output	% SSE		
J03ZJN04	37.2	11	81	50	40	80.9	82 1/4 H x 44 7/8 W x 32 5/8 D	575
J03ZJN08	37.2	11	81	100	80	80.5		575
J04ZJN06	49	11	80	75	60	80.9		585
J04ZJN10	49	11	80	125	100	80.3		585
J05ZJN08	60	10.8	82	100	80	80.5		590
J05ZJN10	60	10.8	82	125	100	80.3		590
J03ZJD06	37.2	11	81	75	60.8	-		575
J03ZJD10	37.2	11	81	125	100.6	-		575
J04ZJD06	49	11	80	75	60.8	-		585
J04ZJD10	49	11	80	125	100.6	-		585
J05ZJD06	60	10.8	82	75	60.8	-		590
J05ZJD10	60	10.8	82	125	100.6	-		590

SERIES 5 ELECTRIC/ELECTRIC HIGH EFFICIENCY								
Model	Cooling Capacity	Efficiency	Sound Rating (dB)	Electric Heating Performance (kW)			Unit Dimensions (in.)	Operating Weight (lbs.)
	MBH	EER		240V	480V	600V		
J03ZJE05	37.2	11	81	5.3	-	-	82 1/4 H x 44 7/8 W x 32 5/8 D	575
J03ZJE07	37.2	11	81	7.5	6.8	-		575
J03ZJE10	37.2	11	81	10.6	10.1	10.6		575
J03ZJE15	37.2	11	81	15.9	13.6	15.9		575
J03ZJE20	37.2	11	81	21.2	19.5	21.2		575
J04ZJE05	49	11	80	5.3	-	-		585
J04ZJE07	49	11	80	7.5	6.8	-		585
J04ZJE10	49	11	80	10.6	10.1	10.6		585
J04ZJE15	49	11	80	15.9	13.6	15.9		585
J04ZJE20	49	11	80	21.2	19.5	21.2		585
J05ZJE05	60	10.8	82	5.3	-	-		590
J05ZJE07	60	10.8	82	7.5	6.8	-		590
J05ZJE10	60	10.8	82	10.6	10.1	10.6		590
J05ZJE15	60	10.8	82	15.9	13.6	15.9		590
J05ZJE20	60	10.8	82	21.2	19.5	21.2		590
J05ZJE30	60	10.8	82	29.6	28.8	30.4		590

Johnson Controls provides a complete selection of commercial comfort systems, along with the industry's broadest line of HVAC controls. We've got whatever you need to create a comfortable, safe and sustainable environment.