

SINGLE PACKAGED UNITS

Reliable comfort



SINGLE PACKAGED UNITS
- SERIES 5, 3 - 6 TONS



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 single packaged units provide optimum comfort and reliability. 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.

Units for cooling only, cooling with one or two stage gas heat, and cooling with supplemental electric heat 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. Let us customize your Series 5 unit to meet your needs.



Capacities
3 - 6 tons
Efficiency
13 SEER/80.9% SSE

Low operating costs

At a solid state electric (SSE) measurement of up to 80%, heating costs can be significantly reduced, so you stay comfortable year-round for less. At a standard electrical efficiency rating (SEER) of up to 13, 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.

HFC-410A refrigerant for environmentally responsible operation

Cooling efficiency is 13 SEER and heating efficiency is 80% SSE

Cooling capacity: 3 to 6 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

Energy recovery ventilators (ERV) for optimized energy use and comfort

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



A MAP Gateway allows you to monitor and adjust system settings from a mobile device.

Faster, smarter start-up

The new integrated Smart Equipment Controls (SEC) from Johnson Controls will save you time and money during installation. This sophisticated, pre-packaged controls platform will also help deliver greater energy savings and reliability throughout the lifecycle of your rooftop unit.

To simplify start-up and configuration in the field, the SEC platform is installed at the factory and "arrives alive." An automatic Self Test Mode with a simple, local LED display allows you to configure, test, and view control information at installation. Plus, a Mobile Access Portal (MAP) Gateway lets you do all the commissioning, configuring and maintenance logs using a mobile device. Advanced, high-efficiency control has never been so convenient or easy.

With the SEC, you can take advantage of:

- Equipment protection, advanced direct digital and simple thermostat control
- A convenient USB interface that serves multiple purposes—history and trend data can be logged, and upgrades to the local or a remote controller can be installed
- Fault detection and diagnostics (FDD) with predictive failures assist with lifecycle management of the equipment, service awareness, and energy costs



The innovative SEC makes installation, start-up, and troubleshooting easier than ever.

You get total control with the following features that come either standard or factory/field installed. Talk with your Johnson Controls representative for details on which options are right for you.

Anti-short cycle delay: Prevents energy wasting due to frequent stop/start cycles with a 5-minute delay

Gas monitor: Ensures safe heat operation

365-day real time clock: Automatic daylight savings time adjustment keeps your unit running on schedule year round

Occupancy schedule: Allows for two different occupied schedules per day, seven days a week

20 holiday schedules: Covers up to 99 days per schedule, each with flexible start times

Low and high ambient lockout: Prevents cooling below or heating above a programmable setpoint of outside air temperature

Multiple zones: Adjusts for constant- or variable-air volume per zone

Energy-saving economizer operation: Allows you to select setpoints for outside and/or supply air temperature, and small and/or large space cooling demand using either a dry bulb, outside enthalpy, or differential enthalpy

Demand-based ventilation control: Improves the quality of the air inside your facility with controls that detect CO₂

Dirty filter switch: Activates the fault light on the unit thermostat, indicating the filter needs attention

Temperature and humidity algorithm: Programmable limits control humidity by allowing the unit to offset the operating setpoint based on high humidity in the space (feature available only on models with "hot gas reheat.")

Comfort ventilation control: Tempers the ventilation air when heating or cooling is not required – saving energy

Space temperature alarm: Sounds an alarm if the temperature exceeds the programmable limits

Intelligent recovery: "Learns" how much runtime is required to bring the temperature to the desired setpoint before occupants arrive

SERIES 5 GAS/ELECTRIC SINGLE PACKAGE UNITS WITH HOT GAS REHEAT (JZR)**

Model Number	Net ARI Cooling MBH	EER	SEER	Heating MBH Output	% SSE	LBS
J03ZRN/S04	35	11	13	40	80.9	645
J03ZRN/S08	35	11	13	80	80.5	645
J03ZRD/T06	35	11	13	60	81.1	645
J03ZRD/T10	35	11	13	92	80.2	645
J04ZRN/S06	46.5	11	13	60	80.9	655
J04ZRN/S10	46.5	11	13	100	80.3	655
J04ZRD/T06	46.5	11	13	60	81.1	655
J04ZRD/T10	46.5	11	13	100	80.5	655
J05ZRN/S08	60	11	13	80	80.5	660
J05ZRN/S10	60	11	13	100	80.3	660
J05ZRD/T06	60	11	13	60	81.1	660
J05ZRD/T10	60	11	13	100	80.5	660

N=1 stage heat
D=2 stage heat
S= 1 stage with stainless steel heat exchanger
T = 2 stage with stainless steel heat exchanger

SERIES 5 COOLING ONLY & ELECTRIC/ELECTRIC SINGLE PACKAGE UNITS WITH HOT GAS REHEAT (JZR)**

Model Number	Net ARI Cooling MBH	EER	SEER	Electric Heat	LBS
J03ZRC/E	35	11	13	5, 7, 10, 15, 20	575
J04ZRC/E	46.5	11	13	5, 7, 10, 15, 20	585
J05ZRC/E	60	11	13	5, 7, 10, 15, 20, 30	590

RC Models are cooling only with optional field installed electric heat. Model RE includes factory installed electric heat

SERIES 5 HEAT PUMP SINGLE PACKAGE UNITS (JXP)**

Model Number	Net ARI Cooling MBH	EER	SEER	Electric Heat	LBS
J03XPC/E	35	11	13	5, 7, 10, 15, 20	575
J04XPC/E	46.5	10.8	13	5, 7, 10, 15, 20	585
J05XPC/E	57.5	10.9	13	5, 7, 10, 15, 20, 30	590

PC Models have optional field installed electric heat. Model PE includes factory installed electric heat

For more information please visit us at www.johnsoncontrols.com/rooftop

SERIES 5 GAS/ELECTRIC INGLE PACKAGE UNITS (JZF)**

Model Number	Net ARI Cooling MBH	EER	SEER (IEER)	Heating MBH Output	% SSE	LBS
J03ZFN/S04	36	11	13	40	80.9	540
J03ZFN/S08	36	11	13	80	80.5	540
J03ZFD/T06	36	11	13	60	81.1	540
J03ZFD/T10	36	11	13	92	80.2	540
J04ZFN/S06	47.5	11	13	60	80.9	610
J04ZFN/S10	47.5	11	13	100	80.3	610
J04ZFD/T06	46.5	11	13	60	81.1	610
J04ZFD/T10	46.5	11	13	100	80.5	610
J05ZFN/S08	57	11	13	80	80.5	640
J05ZFN/S10	57.5	11	13	100	80.3	640
J05ZFD/T06	57	10.8	13	60	81.1	640
J05ZFD/T10	57	10.8	13	100	80.5	640
JA6ZFN/S08	68	11	(11.3)	80	80.5	710
JA6ZFN/S10	68	11	(11.3)	100	80.3	710
JA6ZFD/T6	68	11	(11.3)	60.8	81.1	710
JA6ZFD/T10	68	11	(11.3)	100.6	80.5	710

N=1 stage heat
D=2 stage heat
S= 1 stage with stainless steel heat exchanger
T = 2 stage with stainless steel heat exchanger

SERIES 5 COOLING ONLY & ELECTRIC/ELECTRIC SINGLE PACKAGE UNITS (JZF)**

Model Number	Net ARI Cooling MBH	EER	SEER (IEER)	Electric Heat	LBS
J03ZFC/E	35	11	13	5, 7, 10, 15, 20	470
J04ZFC/E	46.5	11	13	5, 7, 10, 15, 20	540
J05ZFC/E	60	11	13	5, 7, 10, 15, 20, 30	570
JA6ZFC/E	68	11.2	(11.3)	5, 7, 10, 15, 20, 30	640

FC Models are cooling only with optional field installed electric heat. Model FE includes factory installed electric heat

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