

# LUXAIRE®

HEATING • AIR CONDITIONING



## LUXAIRE® ROOFTOP UNITS

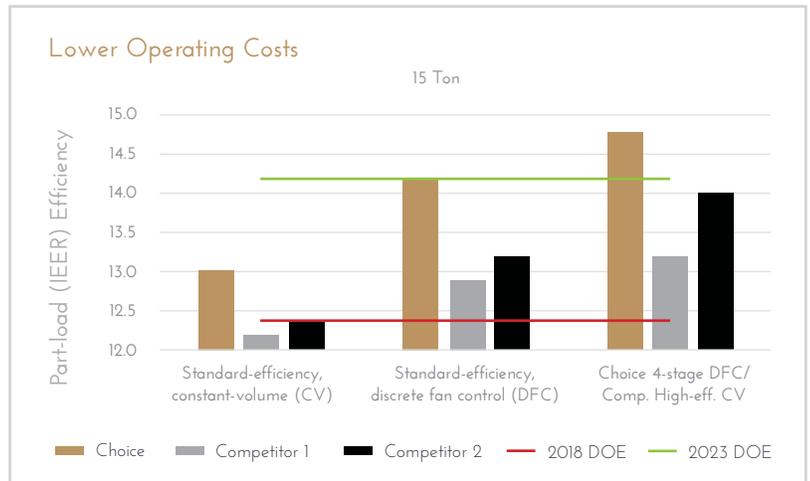
Luxaire® Optimum™ Choice  
Rooftop Units  
15-27.5 Tons



# REMARKABLE PERFORMANCE

Introducing Luxaire® Optimum™ Choice rooftop units, the most economical comfort cooling in the 15-27.5 ton range. Choice rooftop units provide up to **23% greater part-load efficiency** than our legacy comparable, standard-efficiency units and nearly **15% higher IEER ratings** than some competitive high-efficiency units. In addition to leading the class in part-load efficiency, Choice rooftop units **exceed Department of Energy (DOE) 2018 guidelines up to 25%** and already **surpass future DOE 2023 part-load standards by almost 10%**.

Higher efficiency translates to lower operating costs over the lifetime of the unit. But that's not the only way Choice rooftop units deliver a better value. In fact, upgrading a standard-efficiency Choice rooftop unit from constant volume airflow to IntelliSpeed™ discrete fan control will typically cost less than a competitive "high-efficiency" unit while simultaneously resulting in higher part-load efficiency (IEER) than those same "high-efficiency" units. And with Choice rooftop units, you'll also save money at the beginning of the project with lower up-front costs – including direct replacement of most competing units without a transition curb. From start to finish, Luxaire® Optimum™ Choice is the superior solution for economical 15-27.5 ton comfort cooling.



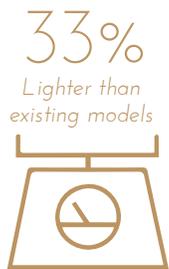
Standard-efficiency Luxaire® Optimum™ Choice rooftop units with the optional 4-stage IntelliSpeed™ fan control have better efficiency than even the "high-efficiency" models from competitors.



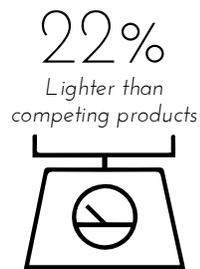
# GREATER FLEXIBILITY

Luxaire® Optimum™ Choice rooftop units provide features and options that create flexibility for a variety of applications. Multiple airflow strategies – including constant-volume (CV), variable air volume (VAV), exclusive IntelliSpeed™ discrete fan control (DFC) with 2-stage and 4-stage options and Continuous Reset Single Zone (CRSZ) control – provide greater system design flexibility. A comprehensive, class-leading range of factory options include:

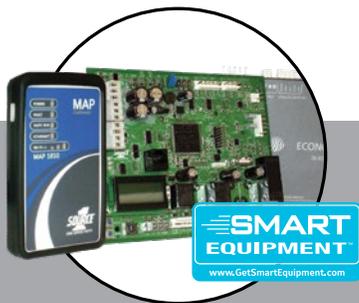
- Modulating gas heat
- Modulating hot gas reheat (HGRH)
- Broad range of ventilation air options
- High short-circuit current (SCCR) electrical rating
- Industry-leading powered exhaust offering (constant-volume and modulating – both factory and field installed, with our field-installed version offering enhanced functionality)
- Exclusive, in-house modification for non-standard or low-volume requests backed with a factory warranty



AND



A lightweight design that's up to 33% lighter than existing Luxaire® models (and up to 22% lighter than competing products) further streamlines specification by saving on building design requirements and eliminating the need for additional structural engineering analysis when used in replacement applications. And Choice rooftop units **fit approximately 70% of the competitive installed bases**, minimizing the need for costly transition curbs.



Choice rooftop units are Smart Equipment enabled. This sophisticated, prepackaged controls platform helps maximize control for greater efficiency, extended equipment life and reduced operating costs. It is installed at the factory and "arrives alive."



Smart Equipment provides control across all available rooftop units and integrates with other control interfaces, including zone controllers and other building management systems. Smart Equipment also provides seamless integration with leading building controls systems, including Verasys®.



An optional Mobile Access Portal (MAP) gateway with Wi-Fi® hotspot provides access to commissioning, configuration and maintenance logs using a mobile smart device for fewer trips to the job site or the roof to diagnose issues.

# EXCEPTIONAL RELIABILITY



Dependability comes standard with Luxaire® Optimum™ Choice rooftop units, thanks to features including independent circuits to help avoid full unit shutdowns and a lead-lag compensator to help balance system wear and tear. When it comes time for maintenance, Choice rooftops are designed for ease of service with accessible connections, coils and compressors. Single-side access to all serviceable items further simplifies maintenance, while our new, industry-leading Commercial Application Support organization provides expert technical and field support for every aspect of ownership – including installation, replacement and service.



Our network of SOURCE 1™ supply centers provides easy access to genuine, factory-authorized service parts.

# LONG-TERM PEACE OF MIND



Developed using “Design for Quality” principles and proprietary testing techniques in our Advanced Technology Lab, Choice rooftop units are engineered with the latest advances in modeling technology to help preemptively identify issues. In addition, extensive field testing is performed to ensure unit reliability in demanding applications and varying conditions. Unit testing ensures adherence to all industry-specific safety and quality processes, including ASHRAE 62.1 for ventilation and IAQ and UL Standard 60335-2-40 for safety. Manufactured in the new, state-of-the-art Johnson Controls “Rooftop Center for Excellence” in Norman, OK, every Luxaire® Optimum™ Choice rooftop unit is subjected to end-of-line testing to ensure quality, performance and safety compliance.

Plus, we support every system with factory-backed warranties: A 1-year parts warranty is standard on all Choice rooftop units, along with 5-year compressor and electric heat limited warranties, a 10-year aluminized heat exchanger limited warranty and a 15-year stainless steel heat exchanger limited warranty. Should additional assistance ever be required for a Choice rooftop unit, in-market factory tech support is just a phone call away.

With Choice rooftop units, Luxaire® once again delivers on our commitment to leading the industry in rooftop performance, flexibility and quality with the most economical 15-27.5 ton comfort cooling solution on the market today.



The Luxaire® brand of Johnson Controls, Inc. 5005 York Drive, Norman, OK 73069. [www.luxaire.com](http://www.luxaire.com).  
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