



# FULL LINE

## PRODUCT BROCHURE

---

PACKAGED ROOFTOP UNITS  
SPLIT SYSTEM UNITS  
UNIT HEATERS  
FURNACES





## Allied Commercial™ has the equipment you need to succeed.

At Allied Commercial, we build technologically advanced, solid commercial heating and cooling equipment that's available right when you need it.

Our products uphold our tradition of quality, technology and durability—even in the toughest environments. Each component and part is designed, and laboratory tested for strength and endurance, so every piece of HVAC equipment maintains our high standards.



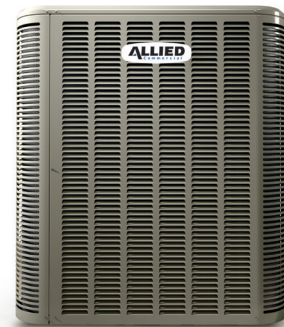
## PACKAGED ROOFTOP UNITS

Tailored specifically for light commercial applications, our packaged rooftop units offer reliability, versatility, easy maintenance and simplified installation. Designed to make every job easier, our rooftop units offer the flexibility and fit to get the job done right first time, every time.



## SPLIT SYSTEM UNITS

Built with advanced technology and durable components, our split systems offer energy-efficient heating and cooling, plus long-term reliability. Available in a wide range of sizes and configurations, we have a split system that will perfectly meet your needs.



## UNIT HEATERS

Our compact and easy-to-install unit heaters provide a reliable heating solution for hard-to-heat commercial and residential applications. Designed and built for durability and peak performance, our heaters incorporate advanced technology and proven materials into time-tested equipment.



## FURNACES

Providing reliable and powerful heat, our industrial furnaces are ideal for warehouses, manufacturing facilities and other large open areas. Ruggedly constructed, using heavy-gauge steel, these solid heaters can be relied upon to deliver efficient and dependable heat for years to come.



FOR FULL FEATURE INFORMATION AND WARRANTY DETAILS ON ALL UNITS, VISIT [WWW.ALLIED-COMMERCIAL.COM](http://WWW.ALLIED-COMMERCIAL.COM)

# PACKAGED ROOFTOP UNITS



## K-SERIES™

Model	Cooling Capacity Tons	Efficiency	
<b>KG</b> GAS/ELECTRIC	<b>2 TO 25</b>	Up to 14.0 SEER and 12.7 EER	Up to 81% AFUE
<b>KG</b> HIGH EFFICIENCY	<b>6 TO 20</b>	Up to 12.5 EER	80% AFUE
<b>KC</b> ELECTRIC/ ELECTRIC	<b>2 TO 25</b>	Up to 14.0 SEER and 12.7 EER	—
<b>KC</b> HIGH EFFICIENCY	<b>6 TO 20</b>	Up to 12.7 EER	—
<b>KH</b> HEAT PUMP	<b>2 TO 20</b>	Up to 14.0 SEER and 11.9 EER	Up to 7.7 HSPF
<b>KH/D</b> HIGH EFFICIENCY	<b>2 TO 10</b>	Up to 16.5 SEER and 13.0 EER	—

## BENEFITS

### EFFICIENCY

- Available in two configurations—standard and high-efficiency
- Additional efficiency of up to 27% can be obtained by adding a Single-Zone Variable Air Volume (VAV) supply fan

### EASY INSTALLATION

- Over 100 field-selectable options ensure fast and easy installation

### SIMPLIFIED SERVICE

- Isolated compressor compartment allows for easier service

## TECHNOLOGY INNOVATIONS

**Single-Zone VAV supply fan technology<sup>1</sup>** provides up to 61% power savings over comparable units and 29% better moisture removal

**Eco-Last™ coil system (standard on KC and KG models)** uses up to 52% less refrigerant and is up to 59% lighter than regular rooftop coils



<sup>1</sup> Part load, IEER improvement at 67% airflow when compared to full load





## Z-SERIES™

Model	Cooling Capacity Tons	Efficiency	
<b>ZG</b> GAS/ELECTRIC	<b>3 TO 12.5</b>	Up to 14.0 SEER and 11.7 EER	Up to 81% AFUE
<b>ZC</b> ELECTRIC/ELECTRIC	<b>3 TO 12.5</b>	Up to 14.0 SEER and 11.7 EER	—
<b>ZH</b> HEAT PUMP	<b>3 TO 10</b>	Up to 14.0 SEER and 11.4 EER	Up to 8.0 HSPF

## BENEFITS

### EFFICIENCY

- High-pressure switch improves reliability by safeguarding the compressor from extreme operating conditions
- Single-Zone VAV supply fan technology—available with 7.5- to 12.5-ton models—improves efficiency and dehumidification capabilities
- Proven scroll compressor helps long-term efficient operation

### EASY INSTALLATION

- Matches the most popular commercial footprint, eliminating the need for an adapter curb
- Units arrive on site having been charged to exact specifications in a clean, controlled environment

### SIMPLIFIED SERVICE

- Tool-less filter access simplifies filter replacement during routine maintenance
- Electrical connections align with many existing units

## TECHNOLOGY INNOVATIONS

**Optional, Single-Zone VAV supply fan technology<sup>2</sup>** provides up to 61% power savings over comparable units and 29% better moisture removal

**Optional, BACnet-compatible module** provides the flexibility to meet application requirements

**Eco-Last™ coil system (standard on ZC and ZG models)** uses up to 52% less refrigerant and is up to 59% lighter than regular rooftop coils

<sup>2</sup> Part load, IEER improvement at 67% airflow when compared to full load



## Q-SERIES™

Model	Cooling Capacity Tons	Efficiency	
<b>QG</b> GAS/ELECTRIC	<b>3 TO 5</b>	Up to 14.0 SEER and 11.5 EER	Up to 81% AFUE
<b>QC</b> ELECTRIC/ELECTRIC	<b>3 TO 5</b>	Up to 14.0 SEER and 11.5 EER	—
<b>QH</b> HEAT PUMP	<b>3 TO 5</b>	Up to 14.0 SEER and 11.5 EER	Up to 8.0 HSPF

## BENEFITS

### EASY INSTALLATION

- Arrives ready to install with no special rigging or brackets required for placement
- Easy-to-install, plug-and-play accessories that do not require disassembly
- Multiple field-selectable options ensure fast and easy installation
- Standard base rail with fork lift slots

### FLEXIBLE DESIGN

- Accommodates both horizontal and downflow applications
- Bottom power entry matches many existing installations
- Ultra Low NOx ( $\leq 14\text{ng/J}$ ) gas/electric models are available

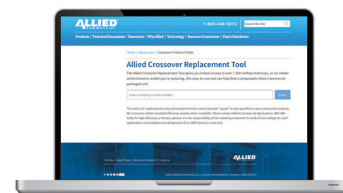
### QUALITY PERFORMANCE

- Microban protection
- Built-in pest control
- Quiet combustion technology
- Tri-Diamond technology\*

## TECHNOLOGY INNOVATIONS

**Optional, Single-Zone VAV supply fan technology<sup>2</sup>** provides up to 61% power savings over comparable units and 29% better moisture removal

**Allied Commercial's Crossover Replacement Tool** makes identifying a comparable Allied Commercial packaged unit quick and easy



\*Not available on ULN models



# SPLIT SYSTEM UNITS



## T-SERIES™

Model	Cooling Capacity Tons	Efficiency
ELS CONDENSING UNIT	6 TO 20	16.0 EER
ELA AIR HANDLER	6 TO 20	—
ELP HEAT PUMP	7.5 TO 10	13.6 EER and 3.3 COP

## BENEFITS

### EFFICIENCY

- Designed to offer efficient energy use all year long
- Single-Zone VAV supply fan technology improves efficiency, energy savings and dehumidification capabilities

### EASY INSTALLATION

- For application flexibility, units range in size from 6 to 20 tons (ELS air conditioners) and 7.5 tons and 10 tons (ELP heat pumps)
- Units can be installed horizontally or vertically to fit job requirements
- Units come fully assembled and ready for install, with selected drives and motors in place

### SIMPLIFIED SERVICE

- Easy-access refrigerant lines, service valves and panels provide convenient maintenance and service
- Service access is available from all four sides

## TECHNOLOGY INNOVATIONS

**Optional, Single-Zone VAV supply fan technology<sup>3</sup>** provides up to 61% power savings over comparable units and 29% better moisture removal

**High-capacity drier** traps moisture and dirt that can potentially contaminate the refrigerant system

**Reversing valve** provides rapid change of refrigerant flow direction, resulting in quick changeover from cooling to heating and vice versa (heat pump unit only)

<sup>3</sup> Part load, IEER improvement at 67% airflow when compared to full load



## SMALL SPLITS

Model	Cooling Capacity Tons	Efficiency
<b>TSA AIR CONDITIONER</b>	<b>3 TO 5</b>	Up to 16.0 SEER
<b>BCE7E AIR HANDLER</b>	<b>2.5 TO 5</b>	–
<b>ML14XP1 HEAT PUMP</b>	<b>3 TO 5</b>	Up to 16.0 SEER and 9.0 HSPF

## BENEFITS

### EFFICIENCY

- Excellent heat transfer and low air resistance with enhanced Omniguard™ aluminum alloy tube/fin coils
- Smooth operation with proven high-efficiency scroll compressors
- Tested in harsh lab conditions for maximum performance season after season

### EASY INSTALLATION - AIR HANDLERS

- Units may be disassembled into two separate sections for ease of installation
- Drain pan's flexible design works in upflow, downflow or horizontal applications

### SIMPLIFIED SERVICE

- Refrigerant line connections and access are located in one central area of the cabinet for easy access and service
- Tool-less access to filter and simple plug-in connections make installation and maintenance easy

## TECHNOLOGY INNOVATIONS

**Omniguard™ Technology** offers superior corrosion resistance and long-lasting performance with its aluminum tube/fin coil design<sup>4</sup>



<sup>4</sup> BCE7E Air Handler and ML14XP1 Heat Pump only



# UNIT HEATERS



## STANDARD, COMPACT & SEPARATED COMBUSTION

Model	BTU/Hour	Efficiency
LF25 STANDARD AND COMPACT	30,000 - 400,000	83.8% Thermal Efficiency
LS25 SEPARATE COMBUSTION	COMING SOON	
		83.8% Thermal Efficiency

## BENEFITS

### EFFICIENCY

- Tubular heat exchanger is designed for high thermal efficiency with low wear over time
- Curved design exposes the heating surface, resulting in excellent heat transfer
- Rounded surfaces reduce air resistance, creating more even heating

### EASY INSTALLATION

- Flexible vent mounting for horizontal or vertical applications
- Factory tested and wired
- Removable thermostat and power connections make the installation process easier

### SIMPLIFIED SERVICE

- No-maintenance lubricated blower motor
- Easy access to components through a hinged door

# FURNACES



## INDUSTRIAL FURNACES

Model	BTU/Hour	Efficiency
LG14 OIL FURNACE	225,000 - 450,000	Up to 81% AFUE

## BENEFITS

### EFFICIENCY

- Dual blowers and an AFUE of 81 provide efficient operation
- For even greater efficiency, two burner kits offer a choice of between 225,000 and 450,000 BTU/hour output
- Two-stage fuel pump optimizes performance and fuel efficiency

### EASY INSTALLATION

- Units can be installed vertically or horizontally, offering greater application flexibility

### SIMPLIFIED SERVICE

- Removable service panels allow for easy access to the motor for quick servicing and cleaning
- Rail-mounted, slide-out blowers on either side of the unit provide easy service and maintenance

## We bring advanced technology and innovation to every job.

At Allied Commercial, we are committed to constant self-improvement and pushing the boundaries of innovation and industry conventions.

The technologies we build into our heating and air-conditioning equipment help businesses—like yours—enjoy lasting performance and consistent energy efficiency, season after season, even in challenging conditions.

### Single-Zone VAV

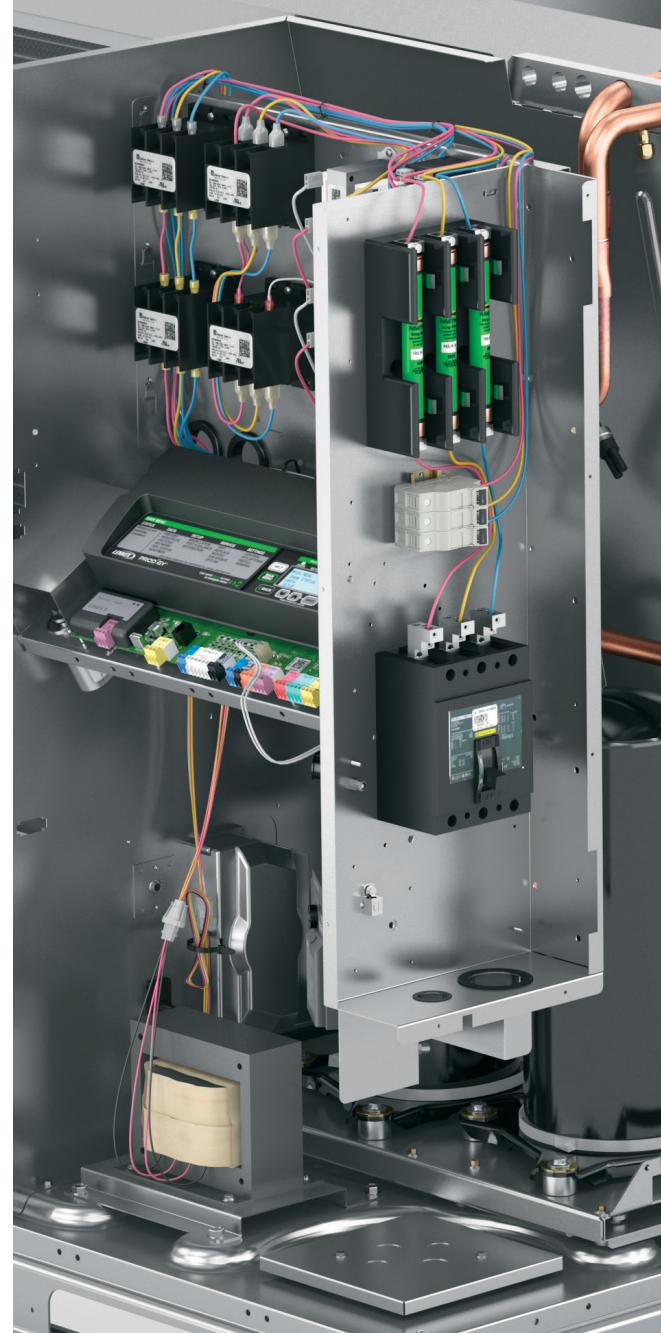
Single-Zone VAV technology allows the fan and compressor to work together in two different stages, coordinating with cooling needs, maximizing efficiency and eliminating wasted effort.

### BACnet Compatibility

Allied Commercial's BACnet-compatible module integrates heating and cooling into a building's automation, monitoring and control systems, delivering more precise management of your building's operations.

### Eco-Last™ coil system

The Eco-Last coil is an all-aluminum coil that offers substantial advantages over conventional coils, including lower weight, greater corrosion resistance and the use of less refrigerant.



## Indoor Air Quality Solutions

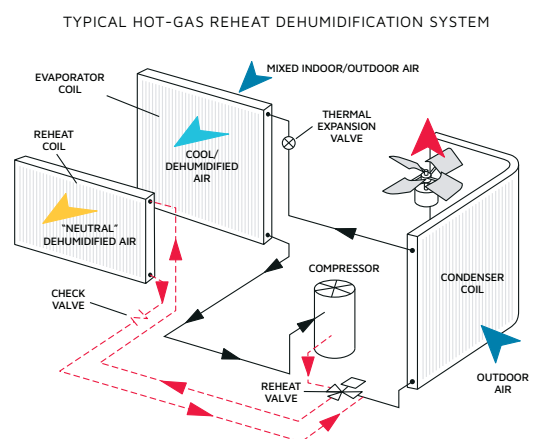
Creating better Indoor Air Quality (IAQ) makes for a happier, healthier and more productive work environment. So, whether you want to control temperature, humidity or contaminants, we have a system that can meet your needs.

### Optional Reheat Dehumidification System (K-Series)

Our reheat dehumidification system removes moisture based on relative humidity, not the temperature. This has the effect of maintaining indoor air quality and comfort, while avoiding problems with overcooling.

### Germicidal Light Kit

The Germicidal Light Kit uses UVC light rays to reduce concentrations of potentially harmful microorganisms on wet surfaces, creating a healthier working environment and better indoor air quality.







Visit us at [www.allied-commercial.com](http://www.allied-commercial.com) or contact us at 1-800-448-5872.

© 2021 Allied Air Enterprises LLC, a Lennox International Inc. Company



Litho U.S.A.

ACFL-300 09/21 PC95043