



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

PACKAGED ROOFTOP UNITS



K-SERIES™

Model	Cooling Capacity Tons	Efficiency	
KG GAS/ELECTRIC	2 TO 25	Up to 14.0 SEER and 12.7 EER	Up to 81% AFUE
KG HIGH EFFICIENCY	6 TO 20	Up to 12.5 EER	80% AFUE
KC ELECTRIC/ ELECTRIC	2 TO 25	Up to 14.0 SEER and 12.7 EER	–
KC HIGH EFFICIENCY	6 TO 20	Up to 12.7 EER	–
KH HEAT PUMP	2 TO 20	Up to 14.0 SEER and 11.9 EER	Up to 7.7 HSPF
KH/D HIGH EFFICIENCY	2 TO 10	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 technology¹ 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



¹ Part load, IEER improvement at 67% airflow when compared to full load



Z-SERIES™

Model	Cooling Capacity Tons	Efficiency	
ZG GAS/ELECTRIC	3 TO 12.5	Up to 14.0 SEER and 11.7 EER	Up to 81% AFUE
ZC ELECTRIC/ELECTRIC	3 TO 12.5	Up to 14.0 SEER and 11.7 EER	—
ZH HEAT PUMP	3 TO 10	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 technology² 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

² Part load, IEER improvement at 67% airflow when compared to full load



Q-SERIES™

Model	Cooling Capacity Tons	Efficiency	
QG GAS/ELECTRIC	3 TO 5	Up to 14.0 SEER and 11.5 EER	Up to 81% AFUE
QC ELECTRIC/ELECTRIC	3 TO 5	Up to 14.0 SEER and 11.5 EER	–
QH HEAT PUMP	3 TO 5	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 technology² 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 technology³ 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)

³ Part load, IEER improvement at 67% airflow when compared to full load



SMALL SPLITS

Model	Cooling Capacity Tons	Efficiency
ML14XC1 AIR CONDITIONER	3 TO 5	Up to 16.0 SEER
BCE7E AIR HANDLER	2.5 TO 5	-
ML14XP1 HEAT PUMP	3 TO 5	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

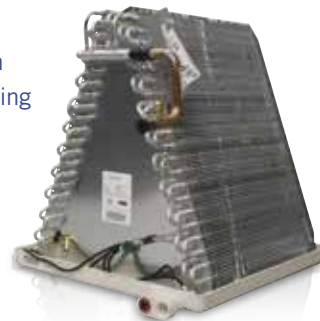
- Units may be disassembled into two separate sections for ease of installation
- Drain pan's flexible design works in upflow, downflow or horizontal applications

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



UNIT HEATERS



STANDARD, COMPACT & SEPARATED COMBUSTION

Model	BTU/Hour	Efficiency
LF25 STANDARD AND COMPACT	30,000 - 400,000	83.8% Thermal Efficiency
LS25 SEPARATED COMBUSTION	30,000 - 400,000	82% 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

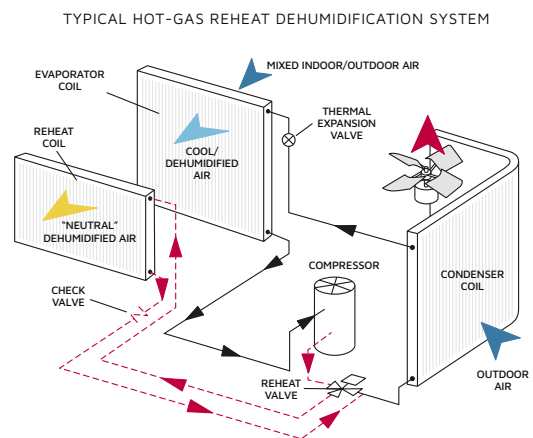
Creating better Indoor Air Quality (IAQ) makes for a happier, healthier and more productive work environment. So, whether you want to control temperature, humidity or contaminants, we have a system that can meet your needs.

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 or contact us at 1-800-448-5872.

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