

K-SERIES™
ROOFTOP UNITS

TRUSTED TECHNOLOGY.
BUILT TO LAST.

ALLIED™
Commercial



**ALLIED COMMERCIAL'S
K-SERIES™ ROOFTOP
UNITS ARE KNOWN FOR
PRECISE, DEPENDABLE
PERFORMANCE.**

At Allied, we know how important reliability and serviceability are for our customers. That's why K-Series rooftop units are the smart choice. They are designed for quick field adaptability, making them ideal for fast turnaround commercial applications. Every K-Series unit is built with the same high-quality standards and factory tested to ensure reliable performance and year-round comfort. Our serviceable design will make life easy for years to come.

PRECISE, DEPENDABLE PERFORMANCE.

Designed for seamless rooftop integration, K-Series™ units offer a hassle-free installation process with features that simplify setup and adaptability to various applications. Equipped with the Intelli-Guide™ Control System, these units optimize maintenance and service operations, helping to lower costs and reduce downtime. Engineered for dependable performance, K-Series rooftop units provide reliable, year-round comfort, making them a smart and efficient choice for any commercial HVAC application.



ROOF READY

K-Series rooftop units are designed roof ready to quickly fit your application needs. These units come with a range of convenient features that make installation quick and easy.

- Field flexibility with more than 100 field-installed accessories that allow quick modification of units to fit the application
- Installation made easy with a self-sealing insulated base and minimized plumbing through a convertible drain pan
- Comprehensive product line consisting of 2-25 ton gas-electric and electric-electric, and 2-25 ton heat pump models



SIMPLE SERVICE

K-Series rooftop units featuring the Intelli-Guide maximizes efficiency of maintenance and service operations, reducing operational costs and minimizing downtime.

- Allied Commercial Intelli-Guide Service App integrates diagnostic, test, and troubleshooting functionalities, reducing install and service time over traditional interfaces
- Slide-out blower reduces installation and service time
- Isolated compressor compartment allows performance checks without interrupting airflow, reducing service time
- Accessible heating compartment provides quick and convenient access to all gas or electric heating components



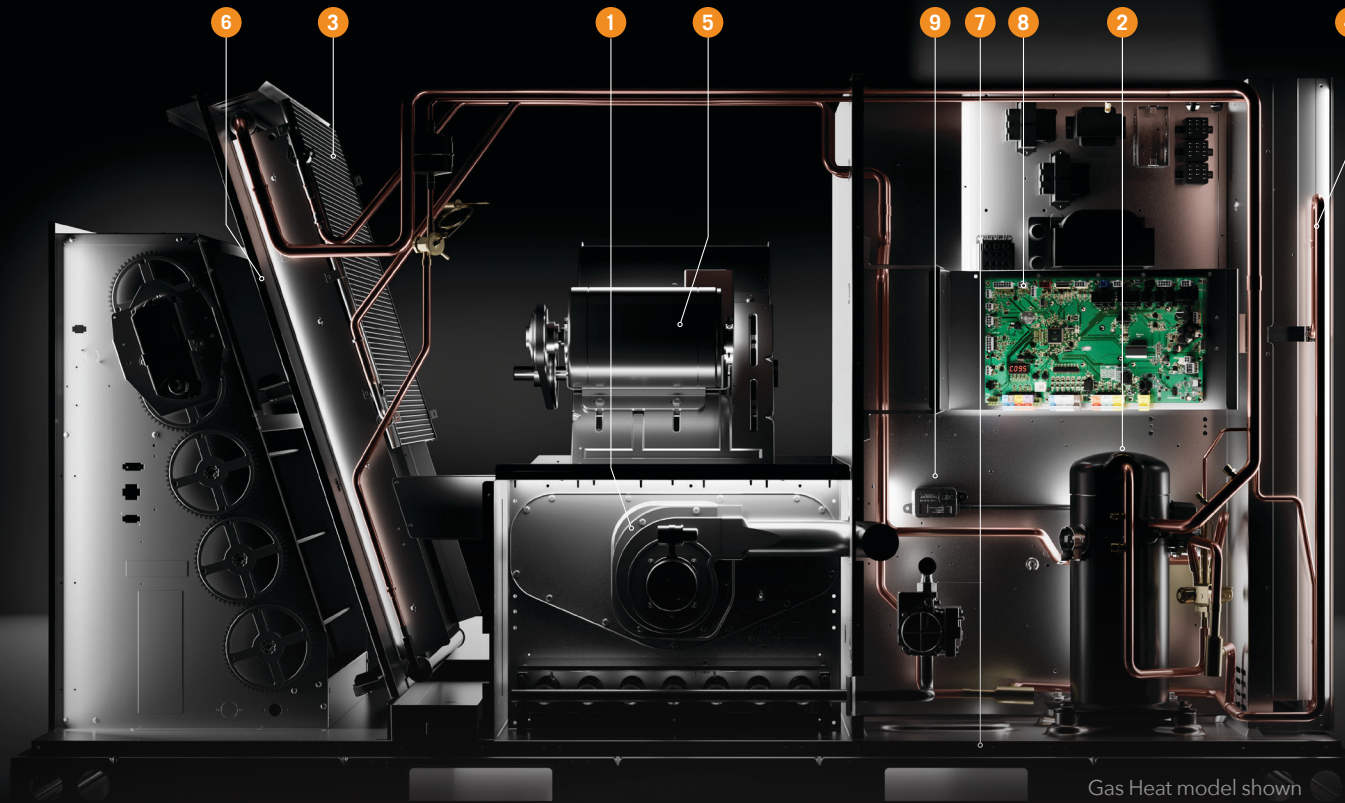
RELIABLE PERFORMANCE

K-Series rooftop units are engineered to deliver reliable performance and year-round comfort.

- The Intelli-Guide Unit Controller increases system reliability by providing 3-strike protection and alerts for critical components
- Eco-Last™ Coil System contains up to 52% less refrigerant and is up to 59% lighter than traditional coil systems reducing the overall environmental impact
- Single Zone VAV supply fan technology optimizes system performance by staging airflow to provide year-round comfort and power savings of up to 61% over traditional blower systems
- Our dehumidification system offers an optional humidity control system that efficiently removes moisture from the air to create a healthier, more comfortable indoor environment

K-SERIES™ ROOFTOP UNIT

- 1 Accessible Heating Compartment
- 2 Isolated Compressor Compartment
- 3 Dehumidification System [optional]
- 4 Eco-Last™ Coil System**
- 5 Slide-out Blower
- 6 Easy Filter Access
- 7 Fully Insulated Base Pan [item is not shown]
- 8 Intelli-Guide™ Unit Controller
- 9 Refrigerant Detection System



Gas Heat model shown

K-SERIES HIGHLIGHTS:

2- to 25-ton gas/electric and electric/electric units • 2- to 25-ton heat pump units

<p>Up to 14.0 SEER2, 15.5 IEER, and 11.5 EER2</p>	<p>More than 100 field-selectable options ensure fast and easy installation</p>	<p>Single-Zone VAV supply fan technology achieves up to 61% fan power savings*</p>	<p>Eco-Last™ coil system maximizes reliability and sustainability**</p>	<p>Improved comfort with the optional Dehumidification System**</p>	<p>The Intelli-Guide Controller and Simple Service features minimize maintenance time</p>
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*Standard on units 6 tons and up **Available on gas/electric and electric/electric models only.



The Intelli-Guide™ Control System on K-Series™ rooftop units is comprised of the easy-to-use Allied Commercial Intelli-Guide Unit Controller and the intuitive Allied Commercial Intelli-Guide Service App.

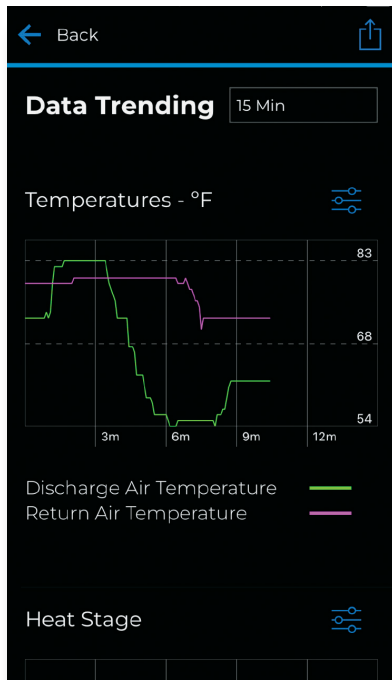
The Intelli-Guide Unit Controller openly integrates with multiple control types, extends unit lifetime by reliably operating system components, and optimizes unit efficiency through built-in algorithms, creating ideal space conditions with ease.

The Allied Commercial Intelli-Guide Service App provides a better installation and service experience through intuitive guided setup, simplified troubleshooting with, and advanced diagnostic capabilities, reducing installation and service costs.

THE ALLIED COMMERCIAL™ INTELLI-GUIDE™ SERVICE APP

MAKES SERVICING SIMPLE

The Allied Commercial Intelli-Guide Service App replaces a traditional built-in user interface on the Intelli-Guide Unit Controllers and provides guided setup means for install, test and balance, and network integration. Reports that detail runtimes and service history can be exported from the app. The app also facilitates seamless commissioning of wireless sensors and sensor networks compatible with the Intelli-Guide Control System.



REAL-TIME DATA READOUTS

Enhanced test functionality provides real-time sensor readings, trending and reports that enable easy troubleshooting.



K-SERIES™ ROOFTOP UNIT OPTIONS & ACCESSORIES

COOLING		
Drain Pan Overflow Switch		Field
Dirty Filter Switch		Field
Low-Ambient Kit (Down to 0° F)		Field
PVC or Copper Condensate Drain Trap		Field
BLOWER		
Blower - Supply Air Motors and Drive Kits		Factory
Blower Proving Switch		Standard
VFD Bypass Kit (Single-Zone VAV)		Field
HEATING		
Electric Heat		Field
Gas Heat		Factory
Stainless Steel Heat Exchanger		Factory
Bottom Gas Piping Kit		Field
Combustion Air Intake Extensions		Field
Low Temperature Vestibule Heater		Field
LPG/Propane Conversion Kits		Field
Vertical Vent Extension		Field
CABINET		
Combination Coil/Hail Guards (2-25 ton)		Factory, Field
Hinged Access Panels		Factory
Horizontal Discharge Kit		Field
Return Air Adaptor Plate***		Field
Corrosive Protection (Indoor coil/outdoor coil)		Field
CONTROLS		
Intelli-Guide Unit Controller		Standard
BACnet Module		Field
CS3000 and CS7500 Commercial Programmable Thermostats		Field
Smoke Detector Supply and/or Return		Field

K-SERIES™ ROOFTOP UNIT OPTIONS & ACCESSORIES

DEHUMIDIFICATION		
Dehumidification System (HGRH)**		Factory
INDOOR AIR QUALITY		
MERV 8 Filters		Field
MERV 13 Filters		Field
MERV 16 Filters		Field
Replacement Media Filter with Metal Mesh		Field
IAQ (CO2) Sensors		Field
Needlepoint Bipolar Ionizers		Field
UVC Germicidal Light Kit		Field
ELECTRICAL		
Electrical Voltage (60 Hz, 208/230V 1ph, 208/230V, 460V, or 575V - 3ph)		Factory
Disconnect Switch		Factory, Field
GFI Service Outlets		Factory, Field
Weatherproof Cover for GFI		Field
ECONOMIZER*		
Economizer - Downflow or Horizontal		Factory, Field
Economizer - Horizontal Conversion Kit		Field
Economizer Controls - Single Sensible/Enthalpy		Factory, Field
Economizer Controls - Differential Enthalpy		Field
Horizontal Barometric Relief Dampers - Hood Furnished		Field
OUTDOOR AIR		
Manual Outdoor Air Dampers		Field
Motorized Outdoor Air Dampers		Field
Power Exhaust Fan Standard Static		Field
ROOF CURBS/CEILING DIFFUSERS		
Roof Curbs (Standard, Clip, Hinged)		Field
Ceiling Diffusers		Field

*Only available in High Performance **Only available on G/E, E/E units ***Applies to 7.5- to 12.5-ton models only.

K-SERIES™ ROOFTOP UNIT R-454B PERFORMANCE SPECIFICATIONS

TYPE	NOMINAL TONNAGE	MODEL	COOLING DATA		HEATING INPUTS (KBTUH)			PHYSICAL DATA	
			EER (EER2*)	IEER (SEER2*)	STD.	MED.	HIGH	DIMENSIONS H X W X L [INCHES]	BASE WT. [LBS.]
GAS/ELECTRIC UNITS	2	LGX024S5E	(11.5)	(14.0)	65	N/A	N/A	39 x 47 x 86	521
	3	LGX036S5	(11.5)	(14.0)	65	108	N/A	39 x 47 x 86	531
	4	LGX048S5	(11.5)	(14.0)	65	108	150	39 x 47 x 86	532
	5	LGX060S5	(11.5)	(14.0)	65	108	150	39 x 47 x 86	532
	6	LGX072S5T	11.0	15.0	65	108	150	47 x 47 x 86	604
	7.5	LGX092S5M	11.0	14.6	130	180	240	47 x 61 x 102	918
	8.5	LGX102S5M	11.0	14.6	130	180	240	47 x 61 x 102	938
	10	LGX120S5M	11.0	14.6	130	180	240	47 x 61 x 102	1,002
	12.5	LGX150S5M	10.8	14.0	130	180	240	47 x 61 x 102	1,052
	15	LGX180S5M	10.8	14.0	260	360	480	55 x 92 x 133	1,884
	17.5	LGX210S5M	10.8	14.0	260	360	480	55 x 92 x 133	2,044
	20	LGX240S5M	10.8	14.0	260	360	480	55 x 92 x 133	2,216
	25	LGX300S5M	9.8	13.0	260	360	480	55 x 92 x 133	2,460
					ELECTRIC HEAT SIZES – [KW]				
ELECTRIC/ELECTRIC UNITS	2	LCX024S5D	(11.5)	14.0	5, 7.5, 10			39 x 47 x 86	502
	3	LCX036S5	(11.5)	14.0	7.5, 15			39 x 47 x 86	504
	4	LCX048S5	(11.5)	14.0	7.5, 15			39 x 47 x 86	504
	5	LCX060S5	(11.5)	14.0	7.5, 15, 22.5			39 x 47 x 86	504
	6	LCX072S5T	11.2	15.5	7.5, 15, 22.5, 30			47 x 47 x 86	575
	7.5	LCX092S5M	11.2	14.8	7.5, 15, 22.5, 30, 45			47 x 61 x 102	870
	8.5	LCX102S5M	11.2	14.8	7.5, 15, 22.5, 30, 45			47 x 61 x 102	890
	10	LCX120S5M	11.2	14.8	15, 22.5, 30, 45, 60			47 x 61 x 102	954
	12.5	LCX150S5M	11.0	14.2	15, 22.5, 30, 45, 60			47 x 61 x 102	1,004
	15	LCX180S5M	11.0	14.2	15, 30, 45, 60			55 x 92 x 133	1,724
	17.5	LCX210S5M	11.0	14.2	15, 30, 45, 60, 90			55 x 92 x 133	1,884
	20	LCX240S5M	11.0	14.2	15, 30, 45, 60, 90			55 x 92 x 133	2,056
	25	LCX300S5M	10.0	13.2	15, 30, 45, 60, 90			55 x 92 x 133	2,300

K-SERIES™ ROOFTOP UNIT R-454B PERFORMANCE SPECIFICATIONS

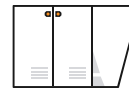
			COOLING DATA		HEATING PERFORMANCE				PHYSICAL DATA	
TYPE	NOMINAL TONNAGE	MODEL	EER (EER2*)	IEER (SEER2*)	(HSPF2*)	COP 47°F	COP 17°F	ELECTRIC HEAT [KW RANGE]	DIMENSIONS H X W X L [INCHES]	BASE WT. [LBS.]
HEAT PUMP	2	LHX024S5D	(10.6)	(13.4)	(6.7)	3.5	2.28	5 - 10	39 x 47 x 86	566
	3	LHX036S5	(10.6)	(13.4)	(6.7)	3.64	2.32	7.5 - 15	39 x 47 x 86	566
	4	LHX048S5	(10.6)	(13.4)	(6.7)	3.72	2.4	7.5 - 22.5	47 x 47 x 86	641
	5	LHX060S5	(10.6)	(13.4)	(6.7)	3.7	2.4	7.5 - 22.5	47 x 47 x 86	686
	6	LHX072S5T	11.0	14.1	N/A	3.4	2.25	7.5-22.5	47 x 47 x 86	768
	7.5	LHX092S5M	11.0	15.0	N/A	3.4	2.25	7.5 - 45	47 x 61 x 102	1,052
	8.5	LHX102S5M	11.0	15.0	N/A	3.4	2.25	7.5 - 45	47 x 61 x 102	1,084
	10	LHX120S5M	11.0	15.0	N/A	3.4	2.25	15 - 60	47 x 61 x 102	1,150
	15	LHX180S5M	10.6	13.5	N/A	3.3	2.05	15 - 60	55 x 92 x 133	2,044
	20	LHX240S5M	10.6	13.5	N/A	3.3	2.05	15 - 90	55 x 92 x 133	2,081
	25	LHX300S5M	10.0	13.0	N/A	3.3	2.20	15 - 90	55 x 92 x 133	2,318

*EER2, SEER2 and HSPF2 ratings only apply to equipment below 65,000 btuh.



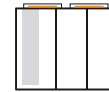
COMPLETE COMMERCIAL CLIMATE SOLUTIONS

Create the ideal building environment with the Allied Commercial portfolio. Each solution is engineered to optimize performance, energy-efficiency, serviceability and environmental impact.



PACKAGED UNITS

E-Series™, K-Series™, Z-Series™, Q-Series™



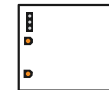
SPLIT SYSTEMS

T-Series™, Small Split Systems, Air Handlers, Indoor Coils



COMMERCIAL CONTROLS

Intelli-Guide™ Unit Controller



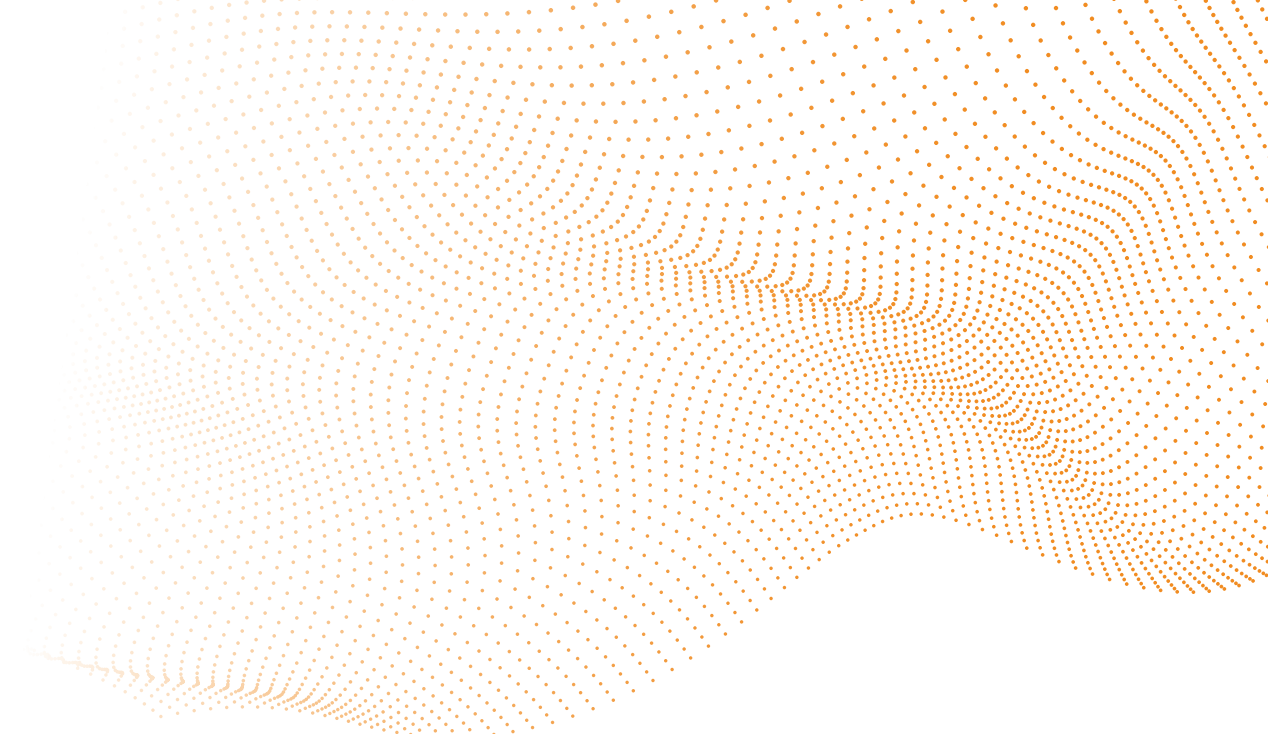
HEATING

Unit Heaters, Furnaces, Duct Furnaces



INDOOR AIR QUALITY

Dehumidification, Filtration, Purification



RIGHT FIT. RIGHT NOW.

Get the right fit for every application, right when you need it, with a comprehensive lineup of packaged rooftop units and split systems from Allied Commercial. Our products are purposefully engineered for easy installation and compatibility with most common footprints, and crafted with quality and advanced technologies to deliver reliable, efficient performance. Offering exceptional value and immediate availability, Allied Commercial equipment is the Right Fit. Right Now.

