

# T-SERIES™

2025 COMPLIANT REFRIGERANT  
COMMERCIAL SPLIT SYSTEMS  
6- TO 20-TON ELKC/ELKA MODELS  
6- TO 10-TON ELKP MODELS

UP TO 11.5 EER, 15.0 IEER



**ALLIED**™  
Commercial

# ALLIED COMMERCIAL™ T-SERIES™ MEANS ADVANCED TECHNOLOGY, RIGHT AWAY.

Allied Commercial T-Series split systems are engineered with advanced technology and built to deliver lasting performance. Convenient, available and precise, they provide the ideal solution for a variety of commercial applications.

## ELKC/ELKP UNITS AT A GLANCE:

Range of sizes from 6–20 tons (ELKC) and 6 and 10 tons (ELKP) for application flexibility

Single- and dual-circuit units available

Easy-access refrigerant lines and service valves

## ELKA UNITS AT A GLANCE:

Range of sizes from 6–20 tons for application flexibility

Units can be installed horizontally or vertically to fit job requirements

Units come fully assembled, ready for install with selected drives and motors

Service access from three sides

Corrosion-resistant removable/reversible plastic drain pan

Two-stage cooling across all tonnages—for both single and dual circuit systems

## EFFICIENCY RATING

Up to 11.5 EER, 15.0 IEER

## WARRANTIES

5-YEAR LIMITED WARRANTY on compressor

1-YEAR LIMITED WARRANTY on covered components

See warranty certificate for actual details.

## HEAT PUMPS AND AIR CONDITIONERS UP FOR ANY TASK

Precision technology and proven designs come together in the T-Series ELKP heat pumps and ELKC air conditioners. Allied Commercial offers a wide range of sizes from 6 to 20 tons on air conditioners and 6 and 10 tons on heat pumps, with a variety of field-installable options to customize to your specific needs.

Inside are features like reliable scroll compressors for precise operation, corrosion-resistant cabinets for durability and easy-access panels for convenient maintenance and service. Units with 10- to 20-ton capacities also feature dual refrigeration circuits that offer part load cooling capacity for better humidity control. And it's all available immediately, conveniently and locally.

## ALLIED COMMERCIAL AIR HANDLERS: A PERFECT MATCH FOR FLEXIBILITY

ELKA air handlers are designed to work with the ELKC/ELKP units to deliver efficiency and performance in any application. They're flexible enough to be configured in multiple positions, and include additional features like corrosion-resistant drain pans and condensate overflow protection with optional float switches for safe performance.

A blower belt tensioner provides longer belt life and easy replacement, and for simpler service, the T-Series ELKA air handlers feature access panels on three sides, a standardized filter size and conveniently located electrical inlets. Models 072, 090 and 120 feature expansion valves with internal check valves, making them heat pump ready.

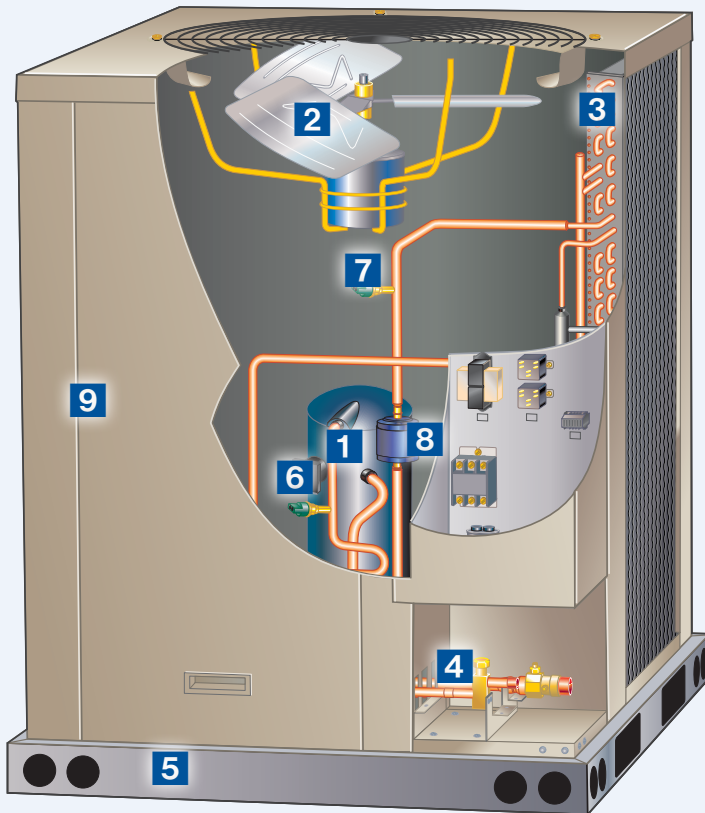
## FOR A CLEANER TOMORROW

We believe building for tomorrow is as important as building for today. The transition to low Global Warming Potential (GWP) refrigerants represents a positive step for the environment, as it significantly reduces the impact of harmful greenhouse gases.

The new refrigerant used in our products reduces global warming potential by 78%\*. That helps all of us reduce our environmental impact and build toward a cleaner future for everyone.

\*Global, national, state, and local GWP requirements may change at any time without notice.

## ELKC AIR CONDITIONER



EL072KC Model Shown

### QUIET AND EFFICIENT OPERATION

- 1 SCROLL COMPRESSOR**— Provides smooth, efficient and quiet operation. All units feature at least one 2-stage compressor for improved efficiency, comfort, and load matching.
- 2 OUTDOOR COIL FAN**— Moves large volumes of air uniformly through the entire condenser coil for high system efficiency.
- 3 COPPER TUBE/ENHANCED LANCED FIN COIL**— Provide maximum exposure of fin surface to air stream, resulting in excellent heat transfer.

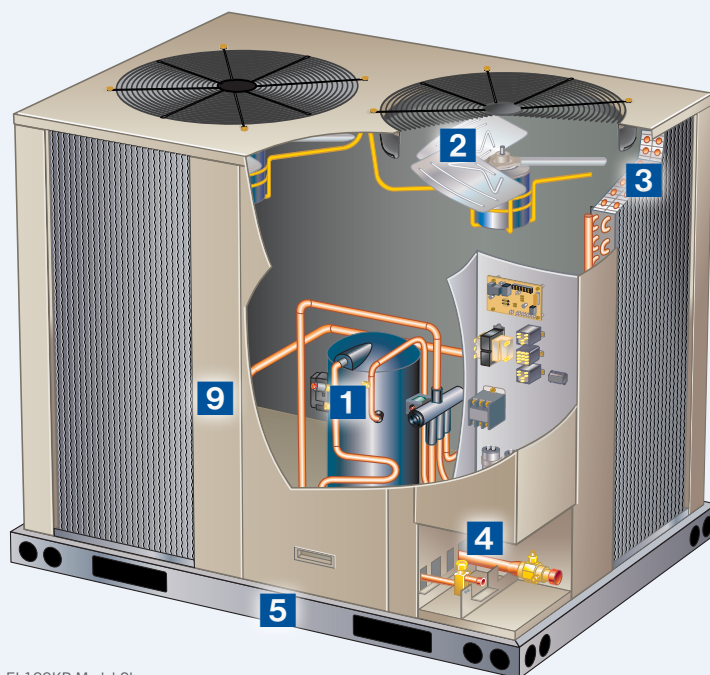
### EASY INSTALLATION AND MAINTENANCE

- 4 REFRIGERANT LINE AND SERVICE VALVES**— Are in one central area of the cabinet for easy access.
- 5 FULL-PERIMETER BASE RAILS**— Provide structural integrity during unit transport and movement. Forklift slots and lifting holes help speed up tasks such as moving and lifting the unit on the job site.

### RELIABLE PERFORMANCE

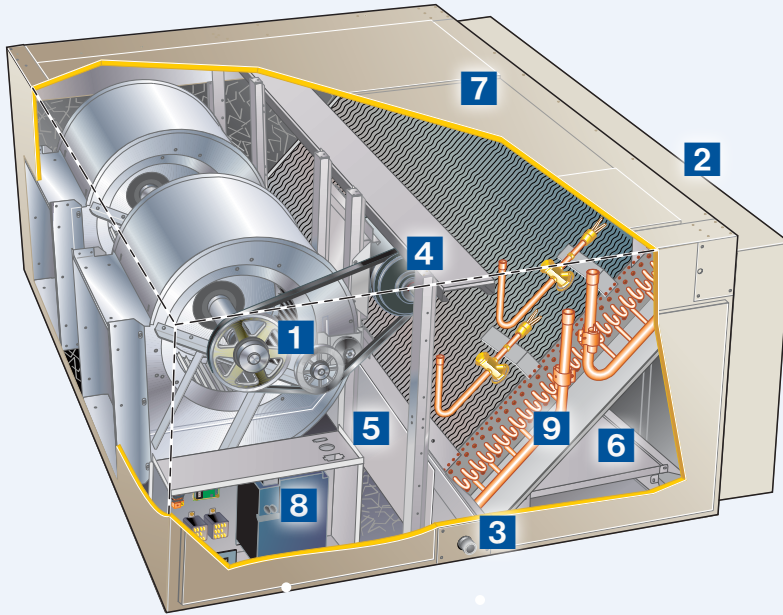
- 6 HIGH-PRESSURE SWITCH**— Protects the compressor from excessive condensing pressure.
- 7 LOSS-OF-CHARGE SWITCH**— provides loss-of-charge and freeze-up protection.
- 8 HIGH-CAPACITY DRIER**— traps moisture and dirt that can contaminate the refrigerant system.
- 9 CORROSION-RESISTANT CABINET**—made from heavy-gauge, pre-painted steel provides superior rust and corrosion protection.

## ELKP HEAT PUMP



EL120KP Model Shown

# ELKA AIR HANDLER



## SIMPLE SERVICE™

- 1 AUTO TENSIONING PULLEY
- 2 EXTERNAL FILTER RACK
- 3 REVERSIBLE DRAIN PAN
- 4 SLIDE-OUT BLOWER

## ADVANCED CONDENSATE MANAGEMENT™

- 2 EXTERNAL FILTER RACK
- 5 BLOW-OFF BAFFLE
- 6 EXTENDED DRIP SHIELD
- 7 DURABLE CABINET

## PURE COMFORT™

- 8 VARIABLE FREQUENCY DRIVE (MSAV®)
- 9 UP TO 3 COOLING STAGES
- 10 REFRIGERANT DETECTION SYSTEM (NOT SHOWN)

## T-SERIES™ LARGE SPLIT SYSTEM PERFORMANCE SPECIFICATIONS

|                     |              |                      | COOLING DATA<br>PERFORMANCE DATA |      |      | HEATING<br>PERFORMANCE DATA |            |                    |             | PHYSICAL DATA<br>OD MODEL    |                              |                 | PHYSICAL DATA<br>ID MODEL    |                              |                          |
|---------------------|--------------|----------------------|----------------------------------|------|------|-----------------------------|------------|--------------------|-------------|------------------------------|------------------------------|-----------------|------------------------------|------------------------------|--------------------------|
|                     | NOM.<br>TON. | OUTDOOR<br>MODEL NO. | NET<br>CAPACITY<br>(BTUH)        | EER  | IEER | CAP<br>LOW<br>(BTUH)        | COP<br>LOW | CAP HIGH<br>(BTUH) | COP<br>HIGH | DIMENSIONS<br>H X W X L (IN) | SHIPPING<br>WEIGHT<br>(LBS.) | INDOOR<br>MODEL | DIMENSIONS<br>H X W X L (IN) | SHIPPING<br>WEIGHT<br>(LBS.) | AHRI<br>REFERENCE<br>NO. |
| AIR<br>CONDITIONERS | 6            | EL072KCSS            | 71,000                           | 11.5 | 15.0 | -                           | -          | -                  | -           | 49 x 40 x 49                 | 338                          | EL072KASS       | 55 x 30 x 52                 | 438                          |                          |
|                     | 6            | EL072KCSS            | 73,000                           | 11.5 | 15.0 | -                           | -          | -                  | -           | 49 x 40 x 49                 | 338                          | EL090KASD       | 55 x 30 x 52                 | 460                          |                          |
|                     | 7.5          | EL090KCSS            | 89,000                           | 11.2 | 14.8 | -                           | -          | -                  | -           | 49 x 40 x 49                 | 365                          | EL090KASD       | 55 x 30 x 52                 | 460                          |                          |
|                     | 10           | EL120KCSS            | 115,000                          | 11.2 | 14.8 | -                           | -          | -                  | -           | 49 x 61 x 44                 | 477                          | EL120KASD       | 55 x 30 x 68                 | 528                          |                          |
|                     | 10           | EL120KCSS            | 115,000                          | 11.2 | 14.8 | -                           | -          | -                  | -           | 49 x 61 x 44                 | 505                          | EL120KASD       | 55 x 30 x 68                 | 528                          |                          |
|                     | 12.5         | EL150KCSS            | 136,000                          | 11.0 | 14.2 | -                           | -          | -                  | -           | 49 x 61 x 44                 | 560                          | EL150KASD       | 55 x 30 x 68                 | 542                          |                          |
|                     | 12.5         | EL150KCSD            | 142,000                          | 11.0 | 14.2 | -                           | -          | -                  | -           | 49 x 61 x 44                 | 560                          | EL180KASD       | 55 x 30 x 97                 | 769                          |                          |
|                     | 15           | EL180KCSD            | 176,000                          | 11.0 | 14.2 | -                           | -          | -                  | -           | 49 x 61 x 89                 | 800                          | EL180KASD       | 55 x 30 x 97                 | 769                          |                          |
|                     | 16.5         | EL180KCSD            | 196,000                          | 11.0 | 14.2 | -                           | -          | -                  | -           | 49 x 61 x 89                 | 800                          | EL240KASD       | 55 x 30 x 97                 | 841                          |                          |
|                     | 20           | EL240KCSD            | 228,000                          | 11.0 | 14.2 | -                           | -          | -                  | -           | 49 x 61 x 89                 | 857                          | EL240KASD       | 55 x 30 x 97                 | 841                          |                          |
| HEAT<br>PUMPS       | 6            | EL072KPSS            | 69,000                           | 11.0 | 14.1 | 66,000                      | 3.4        | 41,000             | 2.25        | 49 x 61 x 44                 | 450                          | EL090KASD       | 55 x 30 x 52                 | 460                          |                          |
|                     | 7.5          | EL090KPSS            | 88,000                           | 11.0 | 14.1 | 87,000                      | 3.4        | 50,000             | 2.25        | 49 x 61 x 44                 | 450                          | EL090KASD       | 55 x 30 x 52                 | 460                          |                          |
|                     | 10           | EL120KPSS            | 115,000                          | 11.0 | 14.1 | 114,000                     | 3.4        | 70,000             | 2.25        | 49 x 61 x 44                 | 527                          | EL120KASD       | 55 x 30 x 68                 | 528                          |                          |
|                     | 15           | (2) EL090KPSS        | 178,000                          | 10.6 | 13.5 | 170,000                     | 3.3        | 98,000             | 2.05        | 49 x 61 x 44                 | 527                          | EL240KASD       | 55 x 30 x 97                 | 841                          |                          |

Note: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change.



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