

T-SERIES™

COMMERCIAL SPLIT SYSTEMS
6- TO 20-TON ELXC/ELXA MODELS
6- TO 10-TON ELXP MODELS

UP TO 16.0 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.

ELXC/ELXP UNITS AT A GLANCE:

Range of sizes from 6–20 tons (ELXC) and 6 and 10 tons (ELXP) for application flexibility

Single- and dual-circuit units available

Easy-access refrigerant lines and service valves

ELXA 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 16.0 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 ELXP heat pumps and ELXC 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


ELXA air handlers are designed to work with the ELXC/ELXP 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 ELXA 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.

LASTING EFFICIENCY AND PERFORMANCE

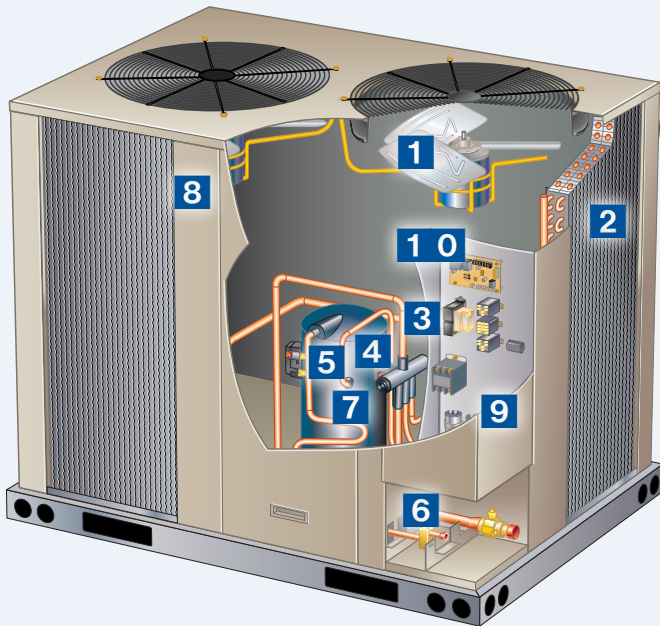
Designed to offer efficient energy use all year long, the Single-zone VAV (Variable Air Volume) supply fan technology can provide up to 61% power savings and up to 29% better moisture removal for humidity control when compared to systems with conventional supply fan motors. Single-zone VAV is a standard feature on 6 to 20 ton split systems units.

SINGLE-ZONE VAV

 up to **61%**
power savings

 up to **29%**
better moisture removal

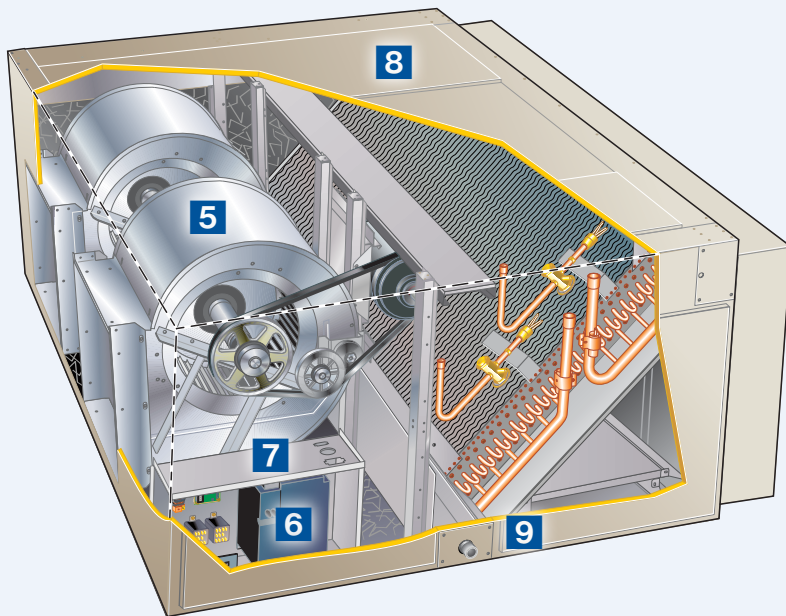
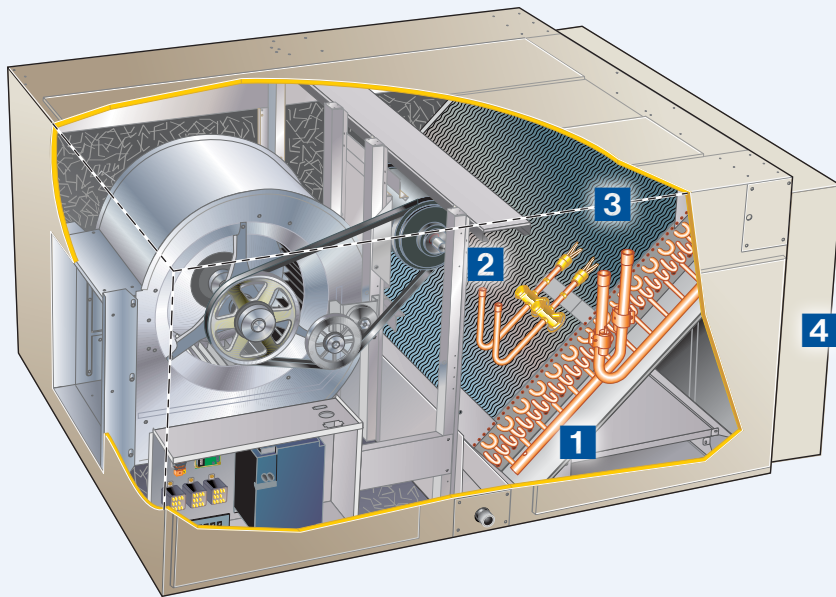
ELXP HEAT PUMPS



PROVEN DESIGNS

- 1 OUTDOOR COIL FAN(S)**—Dual direct drive fans and vertical air discharge.
- 2 COPPER TUBE/ENHANCED FIN COIL**—Ripple-edge aluminum fins with seamless copper tube construction.
- 3 FOUR-WAY REVERSING VALVE**—Rapid changeover of refrigerant flow direction from cooling to heating and vice versa; operates on pressure differential between outdoor unit and indoor coil.
- 4 HIGH PRESSURE TRANSDUCER**—Protects the system from high pressure conditions with automatic reset.
- 5 LOSS OF CHARGE SWITCH**—Provides loss of charge and freeze-up protection.
- 6 REFRIGERANT LINES AND SERVICE VALVE**—Refrigerant lines are shipped and refrigeration lines are cleaned, dried, pressurized and sealed at factory.
- 7 COMPRESSOR**—High volumetric efficiency, uniform suction flow, constant discharge flow and quiet operation.
- 8 CABINET**—Louvered heavy gauge steel panels with corner patch plate allows compressor access.
- 9 CONTROL BOX**—Located in separate compartment in unit cabinet and all controls are pre-wired at the factory.
- 10 DEFROST CONTROL**—Includes the combined functions of a time/temperature defrost control, defrost relay, time delay, two diagnostic LEDs (green/red) as an aid in troubleshooting, and a terminal strip for field wiring connections.

ELXA AIR HANDLER



PROVEN DESIGNS

- 1 MULTI-CIRCUIT, COPPER TUBE COIL**— Extra large surface provides maximum cooling efficiency, excellent heat transfer and low air resistance.
- 2 EXPANSION VALVE**—Multi-circuit coils are equipped with one thermal expansion valve per circuit with valves that are sized for best performance possible.
- 3 REFRIGERANT PIPING AND DRAIN CONNECTIONS**— Refrigerant line inlets (knockouts) are provided on both sides of the cabinet and the condensate drain outlet extends outside the cabinet for ease of connection.
- 4 EXTERNAL FILTER RACK**—Filter rack design permits quick and easy removal of filters for servicing and is furnished and shipped inside the unit for field installation.
- 5 BELT DRIVE BLOWERS**—Centrifugal belt driven blowers deliver large air volumes quietly and with low power consumption.
- 6 SINGLE ZONE VAV SUPPLY FAN**— Designed for use on multi-stage split systems the VFD alters the frequency and voltage of the power supply to control blower motor speed and airflow
- 7 CONTROL BOX**—Located in separate compartment in unit cabinet that contains a low voltage terminal strip that is factory installed.
- 8 HEAVY GAUGE STEEL CABINET**— Closed-cell foam on top mullion between the blower and coil section reduces heat transfer through cabinet and prevents moisture build-up on outside of cabinet.
- 9 CORROSION RESISTANT DRAIN PAN**— Reversible drain pan allows for drain outlets on either end of cabinet and can be repositioned for horizontal air flow applications.

OPTIONS AND ACCESSORIES



ELXC/ELXP Units



ELXA Air Handlers

FIELD-INSTALLED OPTIONS

- Electric heat
- Water heating
- Air Filters
- Heat Pump Check Valve Kit
- GFI Service Outlets (2)
- Indoor Air Quality (CO2) Sensors
- Economizers
- Combination Coil/Hail Guards
- Heat Pump Check Valve Kit
- Hail guards
- Float switch kit
- Low ambient control kits (down to 0°F)

FACTORY-INSTALLED OPTIONS

- Low-static drive
- High-static drive
- Corrosion Protection
- Single-zone VAV supply air blower VFD kit

Reference the technical specifications for a complete list of field- and factory- installed options.

T-SERIES™ AIR CONDITIONER AND HEAT PUMP PERFORMANCE SPECIFICATIONS

	NOM. TON.	OUTDOOR MODEL NO.	COOLING PERFORMANCE DATA			HEATING PERFORMANCE DATA				PHYSICAL DATA OD MODEL		INDOOR MODEL NO.	PHYSICAL DATA ID MODEL		
			NET CAPACITY (BTUH)	EER	IEER	CAP LOW (BTUH)	COP LOW	CAP HIGH (BTUH)	COP HIGH	DIMENSIONS H X W X L (IN)	SHIPPING WEIGHT (LBS.)		DIMENSIONS H X W X L (IN)	SHIPPING WEIGHT (LBS.)	AHRI REFERENCE NO.
AIR CONDITIONERS	6	EL072XCSS	71,000	12.0	16.0	-	-	-	-	49 x 40 x 49	338	EL072XASS	55 x 30 x 52	438	210666000
	6	EL072XCSS	73,000	12.2	14.8	-	-	-	-	49 x 40 x 49	338	EL090XASD	55 x 30 x 52	460	210666001
	7.5	EL090XCSS	89,000	11.2	14.8	-	-	-	-	49 x 40 x 49	365	EL090XASD	55 x 30 x 52	460	210666002
	10	EL120XCSS	115,000	11.2	14.8	-	-	-	-	49 x 61 x 44	477	EL120XASD	55 x 30 x 68	528	210666004
	10	EL120XCSD	115,000	11.2	14.8	-	-	-	-	49 x 61 x 44	505	EL120XASD	55 x 30 x 68	528	210666005
	12.5	EL150XCSD	136,000	11.0	14.2	-	-	-	-	49 x 61 x 44	560	EL150XASD	55 x 30 x 68	542	210666006
	12.5	EL150XCSD	142,000	11.0	14.2	-	-	-	-	49 x 61 x 44	560	EL180XASD	55 x 30 x 97	769	210666007
	15	EL180XCSD	176,000	11.0	14.2	-	-	-	-	49 x 61 x 89	800	EL180XASD	55 x 30 x 97	769	210666008
	16.5	EL180XCSD	196,000	11.0	14.2	-	-	-	-	49 x 61 x 89	800	EL240XASD	55 x 30 x 97	841	210666009
20	EL240XCSD	228,000	11.0	14.2	-	-	-	-	49 x 61 x 89	857	EL240XASD	55 x 30 x 97	841	210666010	
HEAT PUMPS	6	EL072XPSS	69,000	11.3	14.1	66,000	3.4	41,000	2.25	49 x 61 x 44	450	EL090XASD	55 x 30 x 52	460	210666018
	7.5	EL090XPSS	88,000	11.0	14.1	87,000	3.4	50,000	2.25	49 x 61 x 44	450	EL090XASD	55 x 30 x 52	460	210666019
	10	EL120XPSS	115,000	11.0	14.1	114,000	3.4	70,000	2.25	49 x 61 x 44	527	EL120XASD	55 x 30 x 68	528	210666020
	15	(2) EL090XPSS	178,000	10.6	13.5	170,000	3.3	98,000	2.05	49 x 61 x 44	527	EL240XASD	55 x 30 x 97	841	210666047

¹Sound rating number in accordance with test conditions included in ARI Standard 270.

²6-ton-and-over equipment certified in accordance with ULE certification program, which is based on ARI Standard 340/360.

³Cooling ratings, 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.

⁴High-temperature heating ratings, 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) entering indoor coil air.

⁵Low-temperature heating ratings, 17°F (-8°C) db/15°F (-9°C) wb outdoor air temperature and 70°F (21°C) entering indoor coil air.

NOTE: Due to Allied Commercial's ongoing commitment to quality, all specifications, ratings and dimensions are subject to change.



Visit us at www.allied-commercial.com or contact us at 1-800-448-5872.

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