

Submittal Data Sheet



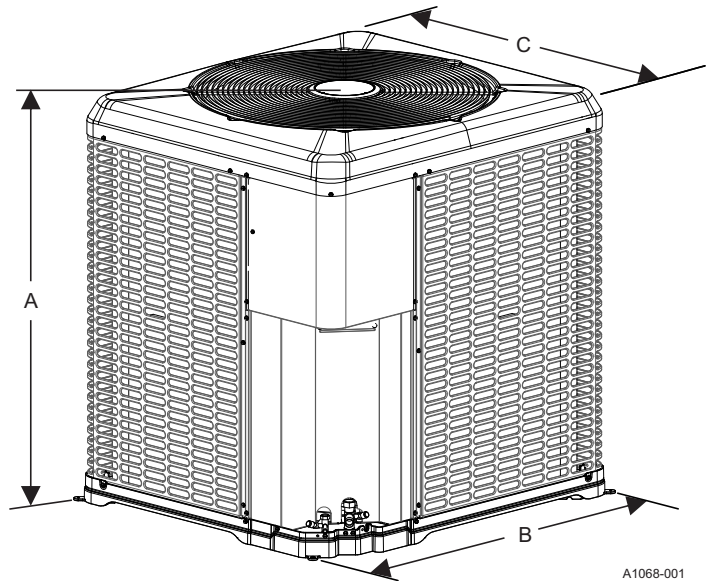
Echelon™ Series Two-Stage Split-System Air Conditioners
18 SEER2 – R-410A – Single-Phase – 2 to 5 Nominal ton
Models: AC19B24 to 60

Job name:			Location:		
Purchaser:			Order no:		
Engineer:					
Submitted to:		For:	Ref:	Approval:	Construction:
Submitted by:			Date:		
Unit designation:			Schedule number		Model number

Product data

Cooling performance	
Total capacity _____ MBH	
Outdoor design temp _____ °F	
Heating performance	
Total capacity _____ MBH	
Outdoor design temp _____ °F	
Electrical data	
Power supply ____/____/____	
Compressor ampacity _____ A	
Total unit ampacity _____ A	
Power input required _____ kW	
Minimum wire size _____ AWG	
Maximum overcurrent device	
<input type="checkbox"/> Fuses	<input type="checkbox"/> Circuit breaker
Unit weight	
Unit weight _____ lb	

Dimensions (in.)



A1068-001

Unit model	Dimensions (in.)			Refrigerant connection service valve size (in.)	
	A	B	C	Liquid	Vapor
AC19B2421S	40 1/4	38 1/4	34 1/2	3/8	3/4
AC19B3621S	46 1/2	38 1/4	34 1/2		3/4
AC19B4821S	46 1/2	38 1/4	34 1/2		7/8
AC19B6021S	46 1/2	38 1/4	34 1/2		7/8‡

‡ Adapter fitting must be field installed for the required 1 1/8 (in.) line set.

All dimensions are in inches and are subject to change without notice.

Overall height is from bottom of base pan to top of fan guard.

Overall length and width include screw heads.

WARRANTY SUMMARY*

Extended 10-Years limited parts warranty.

Extended Lifetime limited compressor warranty.

Extended parts and compressor warranties require online registration within 90 days of purchase for replacement or closing for new home construction.

*Does not apply to 3-Phase models, or Internet sales.

See Limited Warranty certificate in User's Information Manual for details.



Features

- **Superior coil protection** – An easily removable two-piece steel extruded louver coil guard protects the tube-in-fin coil from debris and physical damage while making access for coil cleaning quick and simple.
- **Environmentally friendly refrigerant** – The next generation refrigerant R-410A delivers environmentally friendly performance with zero ozone depletion.
- **Durable finish** – A high quality powder paint finish rated at 1000 hrs. salt spray provides the ultimate protection from corrosion and harmful UV rays, ensuring a long-lasting, high quality appearance.
- **WhisperDrive™ system** – Features a combination of engineered, sound-neutralizing attributes such as a swept-wing fan blade, composite base pan, multi-density compressor cloak and two-speed compressor operation to reduce sound levels to that of a mere conversation.
- **ECM fan motor** – Dynamically adjusts speed in sync with the outdoor temperature stage to keep heat exchange in balance while minimizing power consumption and sound.
- **Swept wing fan** – A design adapted from aerospace engineering provides whisper-quiet operation by allowing air to flow smoothly and efficiently across the fan surface and edges.
- **Composite base pan** – The strong and durable composite base pan is corrosion resistant while adding strength, absorbing sound, and reducing vibration.
- **High-efficiency outdoor coil** – An aluminum fin and copper tube outdoor coil provide easy cleaning, low restriction to air-flow and efficient heat exchange.
- **Field-installed filter-drier** – A solid-core 100% molecular sieve liquid line filter drier is included for field installation.
- **Climate Connect™** – provides pre-configured operating profiles the installing contractor can select during set-up to fine tune the system's operation for either Humid, Dry, or Normal climates. Additional fine-tune adjustments are always available to provide a custom comfort solution. (Feature available when a variable speed indoor air mover is utilized).
- **Easy service access** – A large electrical box cover and a swing open electrical box provide superior full corner access to the inside of the unit for maintenance or service.
- **TXV controls** – All indoor coils can use dealer installed TXVs or indoor equipment with factory installed TXVs.
- **Communications capable** – Designed to operate as a conventionally wired system or as a communicating system requiring only 4 thermostat wires between the outdoor and indoor units, the communicating system provides self-commissioning on start-up as well as the ability to check system status at the outdoor unit, thermostat, or remotely using the designated mobile application.
- **Two speed, protected scroll compressor** – The compressor is solenoid operated for 67% and 100% capacity. A suction accumulator tank protects the compressor from harm.

- **Advanced system control** – The proprietary wi-fi Hx™ thermostat interface is an integral part of this innovative system design. Using the Consumer mobile application, consumers can monitor and adjust their system from anywhere in the world using a smart device. Contractors can use the Service application (with homeowner permission), to monitor the system remotely and make adjustments as needed. The system can be configured to provide alerts for emerging issues as well as items that require immediate attention.
- **Agency listed** – Safety certified by CSA to UL 1995 / CSA 22.2. Performance certified to ANSI/AHRI Standard 210/240 in accordance with the Unitary Small Equipment certification program.

Typical clearances

The minimum clearances for a typical installation are shown below. See the Technical Guide for alternate installations.

Clearance coil area	10 in.
Overhead Clearance	48 in.
Minimum Service Panel Access	18 in.
Minimum Unit to Unit Distance	24 in.

Matching air side equipment

Model Number _____
 Submittal Form Number _____

Field-installed accessories

- Start Assist Kit (S1-2SA067 _____)*
- Compressor Crankcase Heater Kit (S1-025-_____)*
- Indoor Blower-Off Delay Kit (S1-2FD06700224)
- Anchor Bracket Ground Mount Kit (S1-1HK0701)
- Anchor Bracket Roof Mount Kit (S1-1HK0901)
- Indoor TXV Kit (S1-1TVM _____)*
- Winter Cover Kit (S1-CCVRE _____)*
- Cold Weather Charging Tent (S1-CHGTENT01)
- Touch-up Paint (S1-5130153 _____)

Thermostat: Compatible thermostat controls are available through accessory sourcing. For optimum performance, these outdoor units are fully compatible with our Coleman Hx™ Touchscreen Thermostats available through Source1. For more information, see the thermostat section of the Product Equipment Catalog.

* See price pages for accessory information.

Refer to Technical Guide for detailed specifications on the unit and its accessories.

Verify the actual ratings for each specific match-up in the online AHRI directory at www.ahridirectory.org at the time of bid or sale. It is also recommended to print the rating certificate, if needed, at the time of bid or sale.