

SUBMITTAL DATA SHEET



**ECHELON™ SERIES 2-STAGE
SPLIT SYSTEM HEAT PUMPS
19 SEER – R-410A – 1 PHASE – 2 THRU 5 NOMINAL TONS
MODELS: HC1924 THRU 60**

JOB NAME:		LOCATION:		
PURCHASER:		ORDER NO:		
ENGINEER:				
SUBMITTED TO:	FOR:	REF:	APPROVAL:	CONSTRUCTION:
SUBMITTED BY:		DATE:		
UNIT DESIGNATION:	SCHEDULE NO.	MODEL NO.		

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 _____ AMPs

Total Unit Ampacity _____ AMPs

Power Input Req _____ KW

Minimum Wire Size _____ AWG

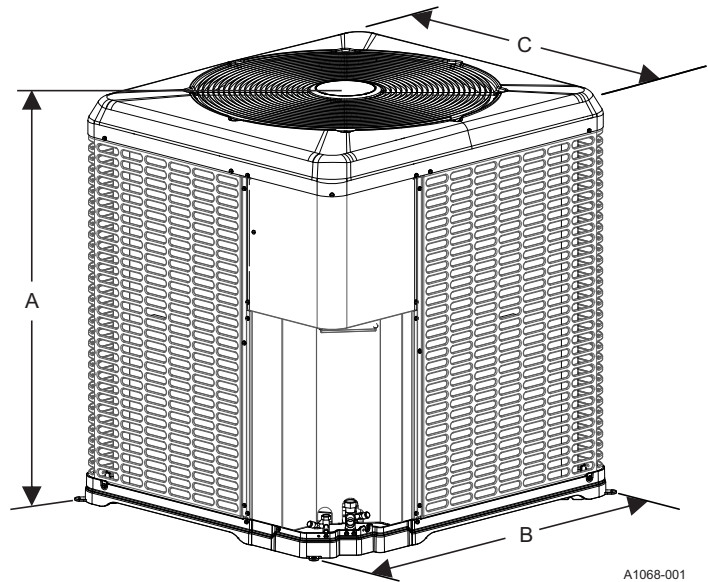
Maximum Overcurrent Device

Fuses Circuit Breaker

Unit Weight

Unit Weight _____ LBS

DIMENSIONS - INCHES



A1068-001

DIMENSIONS

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
HC19B2421S	40-1/4	35-1/2	32	3/8	3/4
HC19B3621S	40-1/4	38-1/4	34-1/2		
HC19B4821S	46-1/2	38-1/4	34-1/2		
HC19B6021S	46-1/2	38-1/4	34-1/2		
					7/8 [‡]

‡ Adapter fitting must be field installed for a 1-1/8" 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 R-22 models, 3-Phase models, or Internet sales.
 See Limited Warranty certificate in User's Information Manual for details.



ISO 9001
Certified Quality
Management System



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 2-stage compressor operation to reduce sound levels to that of a mere conversation.
- **ECM Fan Motor** – Dynamically adjusts speed in sync with the compressor 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 airflow and efficient heat exchange.
- **Factory Installed Filter-Drier** – A corrosion resistant stainless steel, solid core liquid line filter-drier removes debris and moisture which can be harmful to the system.
- **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. (Available when paired with a variable speed indoor air mover.)
- **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, whether in the cased CF/CM coil or in air handlers, utilize TXVs (Thermostatic Expansion Valves).
- **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 App.
- **Advanced System Control** – The proprietary Wi-Fi Hx™ thermostat interface is an integral part of this innovative system design. Using the Consumer App, consumers can monitor and adjust their system from anywhere in the world using a smart device. Contractors can use the Service App (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.

- **Suction Accumulator** – Protects the compressor from liquid flood back.
- **Compressor Crank Case Heater** – Factory installed compressor crank case heater that warms the compressor sump. Crank case heater is cycled on and off as necessary by the unit defrost control board.
- **Compressor Sound Blanket** – Factory installed compressor sound blanket.
- **Two Stage, Protected Scroll Compressor** – The compressor is solenoid operated for 67% and 100% capacity. A suction accumulator tank protects the compressor from harm.
- **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.

- 10" Clearance Coil Area
- 48" Overhead Clearance
- 18" Minimum Service Panel Access
- 24" Minimum Unit to Unit Distance

MATCHING AIR SIDE EQUIPMENT

Model No. _____
Submittal Form No. _____

FIELD INSTALLED ACCESSORIES

Start Assist Kit (S1-2SA067_____) *
Support Feet (S1-HPRKIT-_____) *
Anchor Bracket Ground Mount Kit (S1-1HK0701)
Anchor Bracket Roof Mount Kit (S1-1HK0901)
Indoor TXV Kit (S1-1TVM_____) *
Wall Mount Kit (S1-ACB-_____) *
Winter Cover Kit (S1-CCVRE_____) *
Cold Weather Charging Tent (S1-CHGTENT01)
Touch-up Paint (S1-5130153_____)

* See price pages for accessory information.

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.

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.