



**ECHELON™ SERIES
TWO-STAGE
SPLIT SYSTEM
HEAT PUMPS**
19 SEER – R-410A – SINGLE-PHASE
2 TON TO 5 NOMINAL TON
MODELS: HC1924 TO 60



Due to continuous product improvement, specifications are subject to change without notice.

Visit us on the web at
www.simplygettingthejobdone.com and
www.colemanac.com

Additional rating information can be found at
www.ahridirectory.org

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.

DESCRIPTION

The Echelon™ Series HC19 two-stage Heat Pumps are the outdoor section of a high efficiency communicating cooling system. They are designed as part of a matched system using a standard ECM or variable speed ECM air handler or furnace with a CF/CM coil. Both the matched CF/CM coil and air handler

utilize dealer installed TXVs. The CF/CM coils can also be matched with the standard ECM or variable speed ECM modular air handlers.

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.
- Whisper Drive™ System – Features a combination of engineered, sound-neutralizing attributes such as a swept-wing an 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 stain-less 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 finetune 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/XAH/XAF coil or in air handlers, utilize TXVs (Thermo-static 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 / CSA22.2. Performance certified to ANSI/AHRI Standard 210/240 in accordance with the Unitary Small Equipment certification program.