

## Model detail

# HC20B

Echelon 20  
SEER R-410A  
Split System  
Heat Pump  
Coleman

**Certification:**  
Energy\_Star

**Product Line:**  
Echelon -  
Residential

**Capacity**  
**Nominal Capacity:**  
2 - 5 Tons

**Efficiency Rating:**  
\*Up To 20 SEER

**Warranty**  
**Parts:**  
10-Years Limited\*

**Application**  
Residential

\*Must be registered online within 90 days of installation to qualify for the 10-Years parts / Lifetime compressor limited warranty. Otherwise, the warranty reverts to the standard 5-Years parts / 10-Years compressor limited warranty as published in the product warranty certificate. This warranty does not apply to R-22 models, 3-Phase models, or internet sales. See the Limited Warranty certificate in the User's Information Manual for details.

Verify the actual ratings for each specific matchup in the online AHRI directory at [www.ahridirectory.org](http://www.ahridirectory.org) at the time of sale. It is also recommended to print the rating certificate, if needed, at the time of sale.

## Product Benefits

- **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.
- **Charge View™** – A built-in touch screen instantly displays the system overall condition, including the system pressures and refrigerant charge without the need to attach additional gauges or sensors.
- **Whisper Drive™ System** – Features a combination of engineered, sound-neutralizing attributes such as a swept-wing fan blade, composite base pan, multi-density compressor cloak and variable capacity operation to reduce sound levels to that of a mere conversation.
- **ECM Fan Motor** – Dynamically adjusts speed in sync with the compressor demand 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, powder painted, stainless steel, solid core, bi-directional 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.
- **Easy Service Access** – A large electrical box cover, independent Charge View access, and a swing open electrical box provide superior full corner access to the inside of the unit for maintenance or service.
- **Dual Fuel Ready** – Using the Echelon Hx™ thermostat, the HC20 will work seamlessly with an communicating 80 or 90% gas furnace to provide the ultimate year round dual fuel comfort solution.
- **System Protection** – All HC20 heat pumps have a factory installed suction accumulator to protect the system from anomalous occurrences. Each system contains high and low pressure transducers which constantly monitor system performance and can alert the consumer or contractor system concerns or alerts.
- **EEV Controls** – All indoor coils, whether in the cased CM coil or in the AVV air handler, have factory installed EEVs (Electronic Expansion Valves). The HC20 outdoor units also employ an EEV to precisely control refrigerant flow, optimizing capacity and efficiency.
- **Communications Capable** – Requiring only 3 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.
- **Variable Capacity Inverter Controlled Scroll Compressor** – Constantly monitors and dynamically adjusts system capacity in precise increments as necessary to closely meet the comfort demands of the conditioned space.
- **Premium System Warranty\*** - Limited lifetime compressor warranty when registered online within 90 days of installation.
- **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.