

SUBMITTAL DATA SHEET



**ECHOLON™ SERIES VARIABLE CAPACITY
SPLIT SYSTEM AIR CONDITIONERS
20 SEER – R-410A – 1 PHASE – 2 THRU 5 NOMINAL TONS
MODELS: AC21B24 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

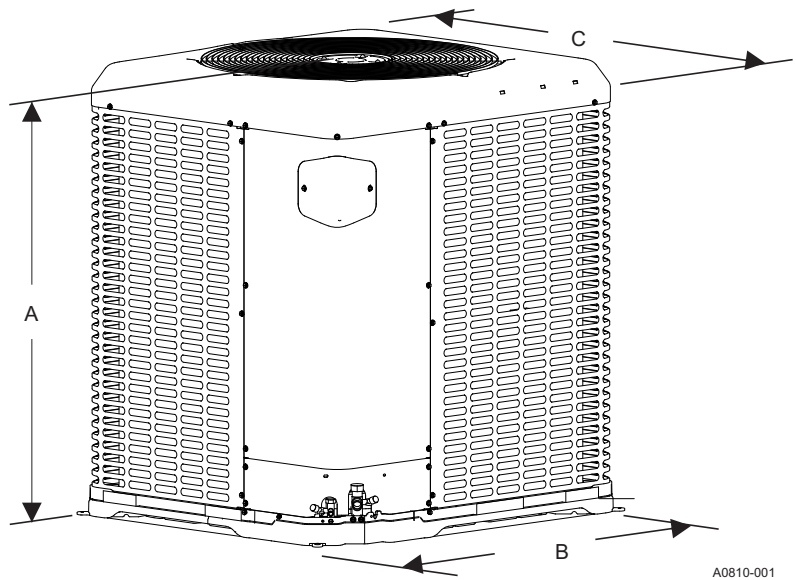
Maximum Overcurrent Device

Fuses Circuit Breaker

Unit Weight

Unit Weight _____ LBS

DIMENSIONS - INCHES



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
AC21B2421S	40-1/4	35-1/2	32	3/8	3/4
AC21B3621S	40-1/4	35-1/2	32		
AC21B4821S	43-1/4	38-1/4	34-1/2		7/8
AC21B6021S	46-1/2	38-1/4	34-1/2		

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.



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.
- **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.
- **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 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 copper 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.
- **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.
- **System Protection** – 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).
- **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.
- **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.

- **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.
- **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.

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

OD Thermostat for Electrical Heat Staging S1-37327982001
Support Feet (S1-HPRKIT-_____) *
Anchor Bracket Kit (S1-1HK0401)
Wall Mount Kit (S1-ACB-_____) *
Winter Cover Kit (S1-CCVRE_____)
Touch-up Paint (S1-5130153_____)

Thermostat - These advanced, communicating, variable capacity designs require the Coleman Hx™ Touchscreen Thermostat (S1-THXU280) 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.