

# SUBMITTAL DATA SHEET



**ECHELON™ SERIES SPLIT SYSTEM HEAT PUMPS**  
**18 SEER – R-410A – 1 PHASE – 2 THRU 5 NOMINAL TONS**  
**MODELS: HC8B024 THRU 060**

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

### Electrical Data

Power Supply \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Compressor Ampacity \_\_\_\_\_ AMPs

Total Unit Ampacity \_\_\_\_\_ AMPs

Power Input Req \_\_\_\_\_ KW

Minimum Wire Size \_\_\_\_\_ AWG

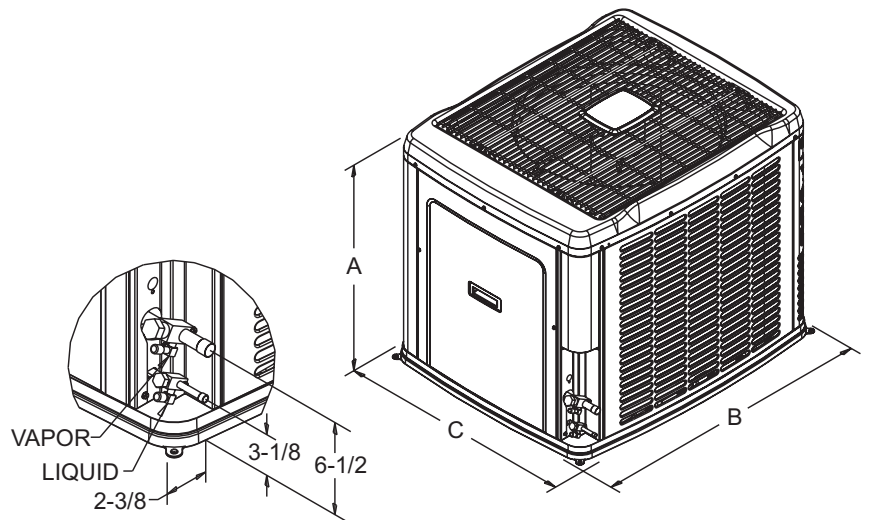
Overcurrent Device

Fuses    Circuit Breaker

### Unit Weight

Unit Weight \_\_\_\_\_ LBS

## DIMENSIONS - INCHES



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
024	40	42-1/4	34	3/8	3/4
036	40	42-1/4	34		
048	40	42-1/4	34		7/8
060	40	42-1/4	34		

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.



## FEATURES

- **Superior Coil Protection** - A stamped, decorative metal coil guard protects the tube-in-fin coil from debris and other damaging material.
- **Protected Compressor** - The compressor is safeguarded against abnormal pressures and temperatures by an internal pressure relief valve, an internal temperature sensor, and factory high and low pressure system controls. A factory installed liquid line filter-drier further protects the compressor against moisture and debris.
- **Environmentally Friendly Refrigerant** - The next generation refrigerant R-410A delivers environmentally friendly performance with zero ozone depletion.
- **Durable Finish** - An automotive quality finish provides the ultimate protection from harmful UV rays and rust creep, ensuring a long-lasting, high quality appearance. A powder-paint topcoat is applied over a baked-on primer using a galvanized, zinc coated steel base material. The result is a finish that has been proven in testing to provide 33% greater durability than conventional powder-coat finishes.
- **Hot Heat Pump** - An optional mode that slows the indoor fan for higher register air temperatures and premium comfort.
- **WhisperDrive™ System** - Features combination of swept-wing fan, composite base pan, isolated compressor compartment, and two-stage compressor to reduce overall sound to a mere whisper.
- **Low RPM ECM Fan Motor** - Helps to reduce airflow noise.
- **Lower Installed Cost** - Designed to provide enhanced installability by featuring a slide-down control compartment that allows easy access to control components, along with angled service valves to reduce overall installation time and cost. Factory charged for a 15 foot lineset.
- **Factory Installed Filter-Drier** - A factory installed, solid core liquid line filter-drier removes harmful debris and moisture from the system.
- **Easy Service Access** - A full end, full service access panel with handle makes for easy entry to internal components.
- **Communications Capable** - Requiring only a simple 4-wire installation, the communicating capability enables the use of the Touch Screen Communicating Control, allowing real time visibility of system operation and the use of diagnostic features, while still maintaining the ability to function with a traditional thermostat.
- **Complete System Control** - These heat pumps utilize the unique microprocessor defrost control system to provide optimal comfort as well as monitor the overall system for reliable operation. In the event improper operating conditions occur (high temperature and/or high pressure), the system will automatically shut the system down to extend the life of the heat pump. The defrost control features an internal memory to aid the technician in troubleshooting, reducing service time and cost.
- **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.

## 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.

## CLEARANCES

The minimum clearances shown below must be maintained should any patio or yard improvements be done around the outdoor unit.

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

## MATCHING AIR SIDE EQUIPMENT

Model No. (\_\_\_\_\_)

Submittal Form No. (\_\_\_\_\_)

## FIELD INSTALLED ACCESSORIES

Dehumidification Control (S1-2HU16700124)(\_\_\_\_\_)

Thermostat (\_\_\_\_\_)

Thermal Expansion Valve\* (\_\_\_\_\_)

Low Ambient Pressure Switch Kit (\_\_\_\_\_)

Hard Start Kit (\_\_\_\_\_)

\* Must be installed for proper performance.

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

*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.*