

SUBMITTAL DATA SHEET



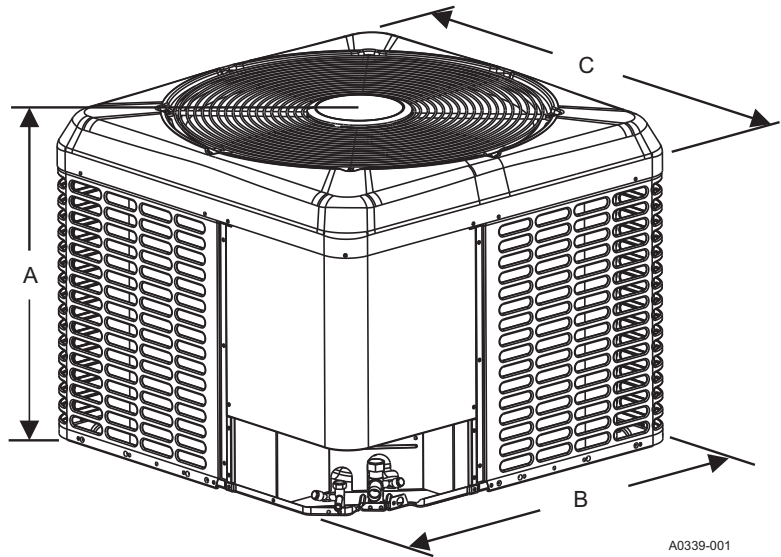
LX SERIES SPLIT SYSTEM HEAT PUMPS
16 SEER – R-410A – 1 PHASE – 2 THRU 5 NOMINAL TONS
MODELS: CH16B24 THRU 60

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	
<input type="checkbox"/> Fuses	<input type="checkbox"/> Circuit Breaker
Unit Weight	
Unit Weight _____	LBS

DIMENSIONS - INCHES



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
CH16B2421S	33-1/4	29-1/4	29-1/4	3/8	3/4
CH16B3621S	39-1/2	29-1/4	29-1/4		7/8
CH16B4821S	39-1/2	35-1/4	31-3/4		7/8 [‡]
CH16B6021S	39-1/2	35-1/4	31-3/4		

‡ Adapter fitting must be field installed for the required 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.



FEATURES

- **Improved Temperature Control** - The inverter driven compressor and modulating system will automatically adjust capacity, in heat or cool mode, to precisely match the comfort demands of the space providing closer temperature and humidity control.
- **Easier Installation** - Time is reduced by being factory charged for a 15-Ft line set and having a factory installed filter-drier. This means less time spent brazing and charging the system. The small base dimension and reduced unit clearances requirements provide more retrofit applications.
- **Accessible Information** - QR code on unit provides quick access to technical documents and warranty information.
- **Durable Finish** - The coated steel wire fan guard, coated external fasteners, and pre-treated G90-equivalent galvanized steel chassis components resist corrosion and rust creep. Champagne colored powder coat paint further protects external panels.
- **Rugged Coil Protection** - Coils are protected from mechanical damage by a stamped steel extruded louver coil guard design.
- **Quality Coils** - Enhanced aluminum fins are mechanically bonded to copper tubing.
- **Protected Compressor** - Compressors are protected by the system high and low pressure switches. The liquid line filter-drier is factory installed to protect the system against moisture and contaminants.
- **Reliable Operation** - Ball bearing fan motors provide superior performance in extreme temperatures. Factory installed accumulator protects the compressor while operating across a wide range of conditions.
- **Environmentally Friendly** - CFC-free R-410A refrigerant delivers environmentally friendly performance with zero ozone depletion.
- **Top Discharge** - Warm air is blown up, away from the structure and any landscaping and allows compact location on multi-unit applications.
- **Low Operating Sound Levels** - Developed using CFD and FEA tools, the sturdy cabinet and top design provides sound performance as low as 75 dBA.
- **Better Service Access** - Diagonal base valves with open access for Schrader removal tools and low-loss fittings and single panel access to the electrical controls. Full corner access using the swing out electrical box, and removable fan guard allow easy access for unit service or maintenance.
- **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*

Standard 5-year limited parts warranty.

Standard 10-year limited compressor warranty.

Extended 10-Years limited parts warranty when product is registered online 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.

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)

Indoor TXV Kit (S1-1TVM_____)**

Wall Mount Kit (S1-ACB-_____)**

Cold Weather Charging Tent (S1-CHGTENT01)

Touch-up Paint (S1-5130153_____)

Thermostat - Compatible thermostat controls are available through accessory sourcing. For optimum performance, these outdoor units are fully compatible with our Coleman touch screen thermostat with proprietary (patent-pending) hexagon interface. 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.