# 15CHAX

## DAVE LENNOX *SIGNATURE*® COLLECTION

## Residential - R-410A - Variable Speed Blower

**PRODUCT SPECIFICATIONS**

Bulletin No. 210468
April 2013
Supersedes December 2012

**SEER - up to 15.00**
**2 to 5 Tons**
**Cooling Capacity - 23,000 to 59,000 Btuh**
**Optional Electric Heat - 5 to 20 kW**

## MODEL NUMBER IDENTIFICATION

**15 CHA X A - 024 - 230 - 1**

**Nominal SEER**

**Unit Type**
CHA = Package Electric /Electric Unit

**Refrigerant**
X = R-410A

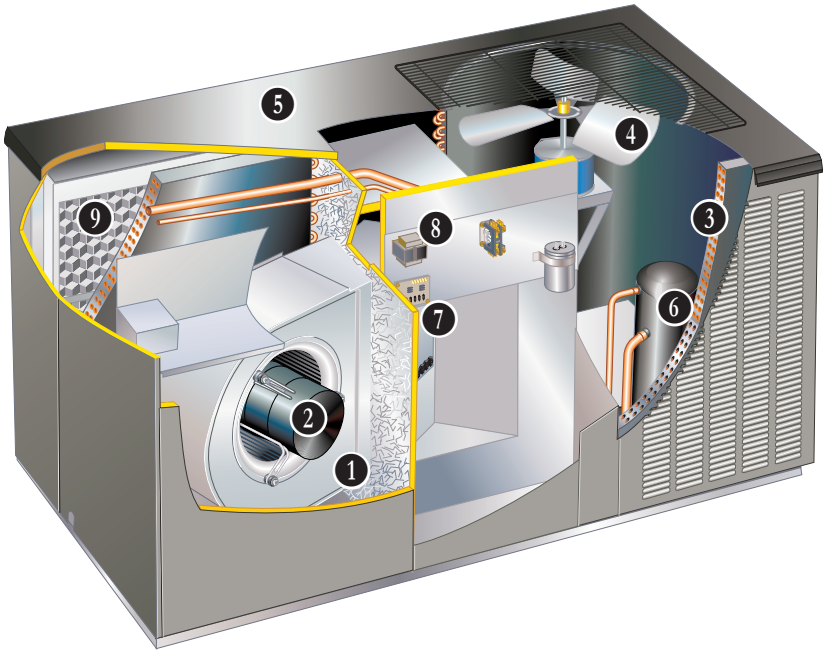
**Major Design Sequence**
A = 1st Generation

**Nominal Cooling Capacity**
24 = 2 tons
30 = 2.5 tons
36 = 3 tons
42 = 3.5 tons
48 = 4 tons
60 = 5 tons

**Voltage**
230 = 208/230V-1phase-60hz

**Minor Revision Number**

## FEATURES

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## WARRANTY

**Compressor - ten year limited** warranty in residential installations and five years in non-residential installations.

**All other covered components - ten years** in residential installations and one year in non-residential installations.

Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

## APPLICATIONS

Designed for outdoor installations at ground level or rooftop for residential applications.

**Zoning Applications**

Units are not approved for zoning applications.

## APPROVALS

Units are design certified by UL.

Cooling system rated according to DOE test procedures.

AHRI Certified to AHRI Standard 210/240-2008.

Units are listed by UL for the U.S. and Canada.

Packaged unit and components within bonded for grounding to meet safety standards required by UL.

ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment.

Each unit test operated at the factory before shipment ensuring dependable operation at start-up.

## SUPPLY AIR BLOWER

1. **Variable Speed Direct Drive Blower**

   Each blower assembly statically and dynamically balanced.

   Change in blower speed is easily accomplished by simple jumper change on blower control.

   Blower assembly easily removed for servicing.

   See Blower Performance tables.

2. **Variable Speed Blower Motor**

   Variable speed motor maintains specified air volume from 0 though 0.80 in. w.g. static range.

   Motor is controlled by the blower control.

   Motor is resiliently mounted.

## FEATURES

### REFRIGERATION SYSTEM

**R-410A Refrigerant**

Non-chlorine, ozone friendly, R-410A.

Unit pre-charged with refrigerant.

See Specification table.

3 **Evaporator and Condenser Coils**

Copper tube with aluminum fin coils.

**Evaporator Coil Drain Pan**

Corrosion resistant plastic drain pan.

4 **Condenser Fan**

Weather protected heavy duty condenser fan motor with coated steel fan blades for long life.

Internally mounted.

Totally enclosed motor.

Fan guard constructed of corrosion-resistant PVC (polyvinyl chloride) coated steel.

**Expansion Valve**

Provides a wider and more efficient capacity rating.

**High Pressure Switch**

Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting.

Protects compressor from excessive condensing pressure.

Automatic reset.

**Low Pressure Switch**

Shuts off unit if suction pressure falls below setting.

Provides loss of charge and freeze-up protection.

Automatic reset.

### CABINET

5 Conditioned areas insulated with foil faced insulation to minimize heat loss and reduce operating sound levels.

Powder paint for maximum durability.

Easy service access.

Steel louvered panels provides complete coil protection.

Interchangeable panels for horizontal to down-flow airflow conversion furnished (shipped for horizontal).

#### OPTIONS

**Lifting Brackets**

Available to facilitate rigging of the unit.

**Roof Curbs**

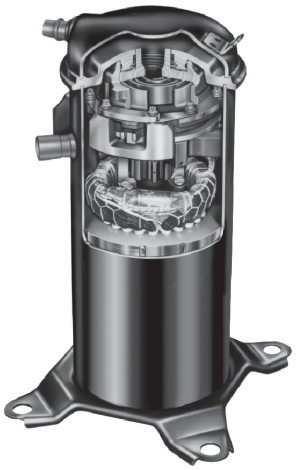
Mates to unit.

Shipped knocked down.

Hinge pins at corners for quick and easy assembly.

Available in 8 in. and 14 in. heights.

### SCROLL COMPRESSOR



6 Compressor features high efficiency with uniform suction flow, constant discharge flow and high volumetric efficiency and quiet operation.

Compressor consists of two involute spiral scrolls matched together to generate a series of crescent shaped gas pockets between them.

During compression, one scroll remains stationary while the other scroll orbits around it.

Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates.

As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced.

When pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls.

During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle.

Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency.

Scroll compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to to be worked toward the center and discharged.

Low gas pulses during compression reduces operational sound levels.

Compressor motor is internally protected from excessive current and temperature.

Compressor is installed in the unit on resilient rubber mounts for vibration free operation.

#### OPTIONS

**Compressor Crankcase Heater**

Protects against refrigerant migration that can occur during low ambient operation.

**Compressor Hard Start Kit**

Single-phase units are equipped with a PSC compressor motor. This type of motor normally doesn't need a potential relay and start capacitor.

In conditions such as low voltage, this kit may be required to increase the compressor starting torque.

## FEATURES

### CONTROLS

**7 Electronic Blower Control**

Two stages - HEAT and COOL (with four different air volume selections for each) are made by simple jumper pins.

ADJUST jumper pin allows approximately 15% higher, normal or 15% lower motor speed selection within HEAT and COOL speeds selected for fine tuning air volume. See Blower Data Tables.

**Cooling Airflow Ramp Up** - At the beginning of a call for cooling, the blower will run at 80% of full airflow for 7.5 minutes. This improves the system's moisture removal and saves blower power during cooling start.

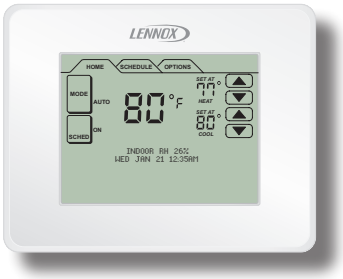
**Reduced Airflow Operation** - For situations where humidity control is an issue, the variable speed motor can be connected to operate at a 25% reduction in the normal airflow rate. The variable speed motor interface provides for connection of a thermostat with humidity control or a humidistat on the HUM terminal. When connected, the dehumidifier resistor on the interface must be cut. The control should be wired to open during high humidity, which will reduce blower airflow.

**8 24 Volt Transformer**

40VA transformer furnished and factory installed in control area.

### OPTIONS

**ComfortSense® 7000 Touchscreen Thermostat**




Electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat.

4 Heat/2 Cool.

Auto-changeover.

Controls humidity during cooling mode.

Offers enhanced capabilities including humidification / dehumidification / dewpoint measurement and control, and equipment maintenance reminders.

Easy-to-use, menu driven thermostat with a back-lit, LCD touchscreen.

See the ComfortSense® 7000 Product Specifications bulletin in the Controls section for more information.

**Outdoor Temperature Sensor**


Used with ComfortSense® 7000 thermostat.

When installed outdoors, sensor allows thermostat to display outdoor temperature.

**Low Ambient Kit**

Packaged unit will operate satisfactorily in the cooling mode down to 45°F outdoor air temperature without any additional controls.

Kit can be added in the field enabling unit to operate properly down to 30°F.

**Time-Off Control**

Prevents compressor short-cycling and allows time for suction and discharge pressure to equalize.

Permits compressor start-up in an unloaded condition.

Automatic reset with 5 minute delay between compressor shut-off and start-up.

**Thermostat**

See Thermostat bulletins in Controls section and Lennox Price Book for a complete list of thermostats.

### ELECTRIC HEAT (5-20 KW)

Field install internal to unit cabinet.

Available in several voltages and kw sizes.

Helix wound nichrome heating elements exposed directly in air stream resulting in instant heat transfer, low element temperatures and long service life.

Cutoff limit control provides positive protection in case of excessive temperatures.

Factory assembled with controls installed and wired.

**Single Point Power Kits**

Control Box used with optional electric heat when single power supply is connected to multi-circuit electric heat.

## FEATURES

### AIR FILTER OPTIONS (REQUIRED)

Filters are not furnished - must be field provided.

**9 PureAir™ Air Purification Installation Kit**


The PureAir™ air purification system uses photocatalytic oxidation (PCO) technology to significantly reduce levels of airborne volatile organic compounds, cooking odors, common household odors, airborne dust particles, mold spores and pollen.

Lennox' PureAir™ Air Purification System is mounted internal to the unit cabinet for superior indoor air quality.

Kit is used to install a PCO20-28 (ordered separately) internal to the unit cabinet.

Kit contains hinged mounting brackets, jumper plug, UVa lamp locking clips and all necessary hardware.

See PCO Product Specifications bulletin in Indoor Air Quality section for details on PCO20-28.

NOTE - Only available for horizontal air flow applications.

**Internal Filter Kits**

Available for 1, 2, 4, or 5 in. thick filters. Kit contains filter rails for mounting filters internal to unit. Filters must be field provided. Carbon Clean 16™ MERV 16 and MERV 10 filters are available separately or other 1, 2, 4 or 5 inch thick filters can be used.

**Carbon Clean 16™ (MERV 16) Filters for Internal Filter Kits**

Disposable, pleated MERV 16 filters (Minimum Efficiency Reporting Value based on ASHRAE 52.2).

50% first-pass reduction of ozone.

Carbon coated fiber matrix reduces odors.

Hospital inpatient care/general surgery level filtration.

Removes over 95% of E1 (sub-micron) particles down to 0.3-1 microns.

Removes over 99% of E2 particles down to 1-3 microns.

Removes over 90% of ultra-fine particles down to 0.01 micron, including viruses and bacteria.

Double-wall beverage board frame for rigid construction.

Media is certified to UL 900 standard and UL/ULC classification - Class 2.

**MERV 10 Filters for Internal Filter Kits**

Disposable, pleated MERV 10 filters (Minimum Efficiency Reporting Value based on ASHRAE 52.2).

Dust mites, pollen, mold spores, pet dander and other contaminants are captured by the filter.

Double-wall beverage board frame for rigid construction.

Recommended replacement of the media depends on a variety of factors, see Specifications table.

Media is certified to UL 900 standard and UL/ULC classification - Class 2.

## SPECIFICATIONS

| General Data | Model No. | 15CHAXA-24 | 15CHAXA-30 | 15CHAXA-36 | 15CHAXA-42 | 15CHAXA-48 | 15CHAXA-60 |
|---|---|---|---|---|---|---|---|
| | Nominal Tonnage | 2 | 2.5 | 3 | 3.5 | 4 | 5 |
| **Cooling Performance** | Total cooling capacity - Btuh | 22,800 | 28,000 | 34,200 | 41,000 | 47,000 | 57,000 |
| | Total unit watts | 1900 | 2330 | 2850 | 3420 | 4080 | 4960 |
| | [1] SEER (Btuh/Watt) | 14.5 | 14.0 | 15.0 | 14.5 | 14.0 | 14.0 |
| | EER (Btuh/Watt) | 12.0 | 12.0 | 12.0 | 12.0 | 11.5 | 11.5 |
| | [2] Sound Rating Number (dB) | 77 | 77 | 77 | 79 | 79 | 79 |
| **Refrigerant** | Type | R-410A | R-410A | R-410A | R-410A | R-410A | R-410A |
| | Charge | 7 lbs. 8 oz. | 6 lbs. 10 oz. | 7 lbs. 13 oz. | 11 lbs. 5 oz. | 11 lbs. 13 oz. | 11 lbs. 12 oz. |
| **Condensate drain size (fpt) - in.** | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| **Outdoor Coil Fan** | Motor horsepower | 1/5 | 1/5 | 1/5 | 1/4 | 1/4 | 1/4 |
| | Diameter - in. & No. of blades | 22 - 3 | 22 - 3 | 22 - 3 | 26 - 3 | 26 - 3 | 26 - 3 |
| **Indoor Blower** | Blower wheel size dia. x width - in. | 10 x 6 | 10 x 6 | 10 x 8 | 10 x 10 | 10 x 10 | 10 x 10 |
| | Motor horsepower | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 |
| **Net weight of basic unit - lbs.** | | 370 | 370 | 390 | 500 | 510 | 510 |
| **Shipping weight of basic unit (1 Pkg.) - lbs.** | | 415 | 415 | 435 | 555 | 565 | 565 |
| **Electrical characteristics (60 hz)** | | 208/230V-1ph-60hz | | | | | |

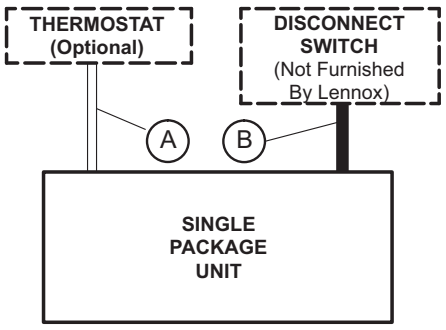
[1] Rated in accordance with AHRI Standard 210/240; 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air.
[2] Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

## OPTIONAL ACCESSORIES - ORDER SEPARATELY

| | | Model No. | 15CHAXA-24 | 15CHAXA-30 | 15CHAXA-36 | 15CHAXA-42 | 15CHAXA-48 | 15CHAXA-60 |
|---|---|---|---|---|---|---|---|---|
| **ComfortSense® 7000 Thermostat** | | **Y2081** | • | • | • | • | • | • |
| **Outdoor Temperature Sensor** - for ComfortSense 7000 Thermostat | | **X2658** | • | • | • | • | • | • |
| **Compressor Crankcase Heater** | | **93M04** | • | • | • | • | • | • |
| **Compressor Hard Start Kit** | | **10J42** | • | • | • | • | • | |
| | | **81J69** | | | | | | • |
| **Compressor Timed-Off Control** | | **47J27** | • | • | • | • | • | • |
| **Electric Heat Size 208/240V-1ph** | 5 kW - PHK05BP | **10W47** | • | • | • | • | • | • |
| | 7.5 kW - PHK05BP | **10W48** | • | • | • | • | • | • |
| | 10 kW - PHK05BP | **10W49** | • | • | • | • | • | • |
| | 15 kW - PHK05BP | **10W50** | | | • | • | • | • |
| | 20 kW - PHK05BP | **10W51** | | | | • | • | • |
| [1] **Internal Filter Kit** | 1 ea - 20 x 25 filter | **X8131** | • | • | • | | | |
| | 2 ea - 16 x 25 filter | **X8132** | | | | • | • | • |
| **Lifting Brackets** | | **92M51** | • | • | • | • | • | • |
| **Low Ambient Kit** | | **34M72** | • | • | • | • | • | • |
| **MERV Filters for Internal Filter Kit 5 in. thick** | MERV 10 | **X6673** | • | • | • | | | |
| | | **X6670** | | | | [2] • | [2] • | [2] • |
| | Carbon Clean 16™ MERV 16 | **X6675** | • | • | • | | | |
| | | **X6672** | | | | [2] • | [2] • | [2] • |
| **PCO Installation Kit** | | **Y0629** | • | • | • | • | • | • |
| **PCO20-28** (requires PCO Installation Kit) | | **X8785** | • | • | • | • | • | • |
| **Roof Curbs** | 8 in. Height | **92M99** | • | • | • | | | |
| | | **93M01** | | | | • | • | • |
| | 14 in. Height | **93M00** | • | • | • | | | |
| | | **93M02** | | | | • | • | • |
| **Single Point Power Kits** | For 5 kW Electric Heat ASPWR813-10 | **13W88** | • | • | • | • | • | • |
| | For 7.5 kW Electric Heat ASPWR814-10 | **13W89** | • | • | • | • | • | • |
| | For 10 kW Electric Heat ASPWR815-10 | **13W90** | • | • | • | • | • | • |
| | For 15-20 kW Electric Heat ASPWR816-10 | **13W91** | | | • | • | • | • |

[1] Filters are not furnished and must be field provided. MERV 10 and MERV 16 filters or other 1, 2, 4 or 5 inch thick filters can be used.
[2] Order two filters for 42, 48 and 60 size units.

## FIELD WIRING




A − Four Wire Low Voltage (Electro-mechanical)
− Five Wire Low Voltage (Electronic)

B − Two Wire Power (See Electrical Data Table)

If multiple disconnects are used on units with electric heat; there must be two−wire power provided for each disconnect

− Field Wiring Not Furnished −

## ELECTRIC HEAT CAPACITIES

| Input Voltage | 5 kW | | | 7.5 kW | | | 10 kW | | | 15 kW | | | 20 kW | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No of Steps | kW Input | KBtuh Output | No of Steps | kW Input | KBtuh Output | No of Steps | kW Input | KBtuh Output | No of Steps | kW Input | KBtuh Output | No of Steps | kW Input | KBtuh Output |
| 208 | 1 | 3.8 | 12.8 | 1 | 5.6 | 19.2 | 1 | 7.5 | 25.6 | 1 | 11.2 | 38.2 | 1 | 15 | 51.2 |
| 220 | 1 | 4.2 | 14.3 | 1 | 6.3 | 21.5 | 1 | 8.4 | 28.7 | 1 | 12.6 | 43 | 1 | 16.8 | 57.3 |
| 230 | 1 | 4.6 | 15.7 | 1 | 6.9 | 23.5 | 1 | 9.2 | 31.3 | 1 | 13.8 | 47 | 1 | 18.4 | 62.7 |
| 240 | 1 | 5 | 17.1 | 1 | 7.5 | 25.6 | 1 | 10 | 34.1 | 1 | 15 | 51.2 | 1 | 20 | 68.2 |

## ELECTRICAL/ELECTRIC HEAT DATA

| Model No. | | | | 15CHAXA-24 | | 15CHAXA-30 | | 15CHAXA-36 | |
|---|---|---|---|---|---|---|---|---|---|
| Line voltage data - 60hz 1 phase | | | | 208/230V | | 208/230V | | 208/230V | |
| Compressor | | | Rated Load Amps | 13.4 | | 14.1 | | 14.1 | |
| | | | Locked Rotor Amps | 58 | | 73 | | 77 | |
| Outdoor Fan Motor | | | Full Load Amps | 1.1 | | 1.1 | | 1.1 | |
| | | | Locked Rotor Amps | 2.2 | | 2.2 | | 2.2 | |
| Indoor Blower Motor | | | Rated Load Amps | 1.5 | | 1.5 | | 1.5 | |
| | | | Locked Rotor Amps | 3 | | 3 | | 4 | |
| [1] Maximum Overcurrent Protection | | | Voltage | 208V | 240V | 208V | 240V | 208V | 240V |
| | Electric Heat & Blower Motor Circuit | Unit Only | Circuit 1 | 30 | 30 | 30 | 30 | 30 | 30 |
| | | 5 kW | Circuit 2 | 30 | 35 | 30 | 35 | 30 | 35 |
| | | 7.5 kW | Circuit 2 | 40 | 45 | 40 | 45 | 40 | 45 |
| | | 10 kW | Circuit 2 | 60 | 60 | 60 | 60 | 60 | 60 |
| | | 15 kW | Circuit 2 | - - - | - - - | - - - | - - - | 60 | 60 |
| | | | Circuit 3 | - - - | - - - | - - - | - - - | 25 | 30 |
| [1] Maximum Overcurrent Protection with Optional Single Point Power Supply | | | 5 kW | 30 | 35 | 30 | 35 | 30 | 35 |
| | | | 7.5 kW | 40 | 45 | 40 | 45 | 40 | 45 |
| | | | 10 kW | 60 | 60 | 60 | 60 | 60 | 60 |
| | | | 15 kW | - - - | - - - | - - - | - - - | 80 | 90 |
| [2] Minimum Circuit Ampacity | Electric Heat & Blower Motor Circuit | Unit Only | Circuit 1 | 21.0 | 21.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| | | 5 kW | Circuit 2 | 27.8 | 31.3 | 27.8 | 31.3 | 27.8 | 31.3 |
| | | 7.5 kW | Circuit 2 | 39.1 | 44.3 | 39.1 | 44.3 | 39.1 | 44.3 |
| | | 10 kW | Circuit 2 | 50.4 | 57.3 | 50.4 | 57.3 | 50.4 | 57.3 |
| | | 15 kW | Circuit 2 | - - - | - - - | - - - | - - - | 50.4 | 57.3 |
| | | | Circuit 3 | - - - | - - - | - - - | - - - | 22.6 | 26.0 |
| [2] Minimum Circuit Ampacity with Optional Single Point Power Supply | | | 5 kW | 27.8 | 31.3 | 27.8 | 31.3 | 27.8 | 31.3 |
| | | | 7.5 kW | 39.1 | 44.3 | 39.1 | 44.3 | 39.1 | 44.3 |
| | | | 10 kW | 50.4 | 57.3 | 50.4 | 57.3 | 50.4 | 57.3 |
| | | | 15 kW | - - - | - - - | - - - | - - - | 73.0 | 83.4 |

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.
NOTE- Extremes of operating range are plus and minus 10% of line voltage.
[1] HACR type breaker or fuse.
[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

## ELECTRICAL/ELECTRIC HEAT DATA

| Model No. | | | | 15CHAXA-42 | | 15CHAXA-48 | | 15CHAXA-60 | |
|---|---|---|---|---|---|---|---|---|---|
| Line voltage data - 60hz 1 phase | | | | 208/230V | | 208/230V | | 208/230V | |
| Compressor | | | Rated Load Amps | 17.9 | | 21.8 | | 26.4 | |
| | | | Locked Rotor Amps | 112 | | 117 | | 134 | |
| Outdoor Fan Motor | | | Full Load Amps | 1.7 | | 1.7 | | 1.7 | |
| | | | Locked Rotor Amps | 4 | | 4 | | 4 | |
| Indoor Blower Motor | | | Full Load Amps | 2.7 | | 2.7 | | 2.7 | |
| | | | Locked Rotor Amps | 5 | | 5 | | 5 | |
| [1] Maximum Overcurrent Protection | | | Voltage | 208V | 240V | 208V | 240V | 208V | 240V |
| | Electric Heat & Blower Motor Circuit | Unit Only | Circuit 1 | 40 | 40 | 50 | 50 | 60 | 60 |
| | | 5 kW | Circuit 2 | 30 | 35 | 30 | 35 | 30 | 35 |
| | | 10 kW | Circuit 2 | 45 | 50 | 45 | 50 | 45 | 50 |
| | | 15 kW | Circuit 2 | 60 | 60 | 60 | 60 | 60 | 60 |
| | | | Circuit 3 | 25 | 30 | 25 | 30 | 25 | 30 |
| | | 20 kW | Circuit 2 | 60 | 60 | 60 | 60 | 60 | 60 |
| | | | Circuit 3 | 50 | 60 | 50 | 60 | 50 | 60 |
| [1] Maximum Overcurrent Protection with Optional Single Point Power Supply | | | 5 kW | 35 | 35 | 40 | 40 | 50 | 50 |
| | | | 7.5 kW | 45 | 50 | 45 | 50 | 50 | 50 |
| | | | 10 kW | 60 | 60 | 60 | 60 | 60 | 60 |
| | | | 15 kW | 80 | 90 | 80 | 90 | 80 | 90 |
| | | | 20 kW | 100 | 125 | 100 | 125 | 100 | 125 |
| [2] Minimum Circuit Ampacity | Electric Heat & Blower Motor Circuit | Unit Only | Circuit 1 | 29.0 | 29.0 | 34.0 | 34.0 | 39.0 | 39.0 |
| | | 5 kW | Circuit 2 | 29.6 | 33.0 | 29.6 | 33.0 | 29.6 | 33.0 |
| | | 7.5 kW | Circuit 2 | 40.9 | 46.1 | 40.9 | 46.1 | 40.9 | 46.1 |
| | | 10 kW | Circuit 2 | 52.1 | 59.1 | 52.1 | 59.1 | 52.1 | 59.1 |
| | | 15 kW | Circuit 2 | 52.1 | 59.1 | 52.1 | 59.1 | 52.1 | 59.1 |
| | | | Circuit 3 | 22.6 | 26.0 | 22.6 | 26.0 | 22.6 | 26.0 |
| | | 20 kW | Circuit 2 | 52.1 | 59.1 | 52.1 | 59.1 | 52.1 | 59.1 |
| | | | Circuit 3 | 45.1 | 52.1 | 45.1 | 52.1 | 45.1 | 52.1 |
| [2] Minimum Circuit Ampacity with Optional Single Point Power Supply | | | 5 kW | 30.0 | 33.0 | 35.0 | 35.0 | 40.0 | 40.0 |
| | | | 7.5 kW | 40.9 | 46.1 | 40.9 | 46.1 | 40.9 | 46.1 |
| | | | 10 kW | 52.1 | 59.1 | 52.1 | 59.1 | 52.1 | 59.1 |
| | | | 15 kW | 74.7 | 85.1 | 74.7 | 85.1 | 74.7 | 85.1 |
| | | | 20 kW | 97.3 | 111.2 | 97.3 | 111.2 | 97.3 | 111.2 |

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.
NOTE- Extremes of operating range are plus and minus 10% of line voltage.
[1] HACR type breaker or fuse.
[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

## BLOWER DATA

**BLOWER PERFORMANCE - 15CHAXA-24, 15CHAXA-30**

0 through 0.80 in. w.g. External Static Pressure Range

| "ADJUST" Jumper Setting | Jumper Speed Positions | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | "COOL" Speed - cfm | | | | "HEAT" Speed - cfm | | | | "CONTINUOUS FAN" Speed - cfm | | | |
| | A | B | C | D | A | B | C | D | A | B | C | D |
| + | 1150 | 920 | 690 | 1035 | 1150 | 1150 | 1150 | 1150 | 575 | 460 | 345 | 520 |
| NORM | 1000 | 800 | 600 | 900 | 1000 | 1000 | 1000 | 1000 | 500 | 400 | 300 | 450 |
| — | 850 | 680 | 510 | 765 | 1000 | 1000 | 1000 | 1000 | 425 | 340 | 300 | 385 |

**BLOWER PERFORMANCE - 15CHAXA-36**

0 through 0.80 in. w.g. External Static Pressure Range

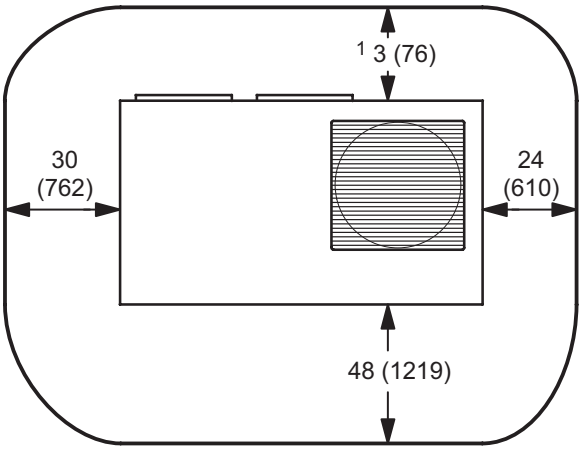
| "ADJUST" Jumper Setting | Jumper Speed Positions | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | "COOL" Speed - cfm | | | | "HEAT" Speed - cfm | | | | "CONTINUOUS FAN" Speed - cfm | | | |
| | A | B | C | D | A | B | C | D | A | B | C | D |
| + | 1380 | 1150 | 920 | 1265 | 1380 | 1380 | 1150 | 1150 | 690 | 575 | 460 | 635 |
| NORM | 1200 | 1000 | 800 | 1100 | 1200 | 1200 | 1000 | 1000 | 600 | 500 | 400 | 550 |
| — | 1020 | 850 | 680 | 935 | 1200 | 1200 | 1000 | 1000 | 510 | 425 | 350 | 470 |

**BLOWER PERFORMANCE - 15CHAXA-42, 15CHAXA-48, 15CHAXA-60,**

0 through 0.80 in. w.g. External Static Pressure Range

| "ADJUST" Jumper Setting | Jumper Speed Positions | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | "COOL" Speed - cfm | | | | "HEAT" Speed - cfm | | | | "CONTINUOUS FAN" Speed - cfm | | | |
| | A | B | C | D | A | B | C | D | A | B | C | D |
| + | 2070 | 1840 | 1610 | 1380 | 1610 | 1610 | 1610 | 1610 | 1035 | 920 | 805 | 690 |
| NORM | 1800 | 1600 | 1400 | 1200 | 1400 | 1400 | 1400 | 1400 | 900 | 800 | 700 | 600 |
| — | 1530 | 1360 | 1190 | 1020 | 1400 | 1400 | 1400 | 1400 | 765 | 680 | 595 | 510 |

## INSTALLATION CLEARANCES - INCHES (MM)

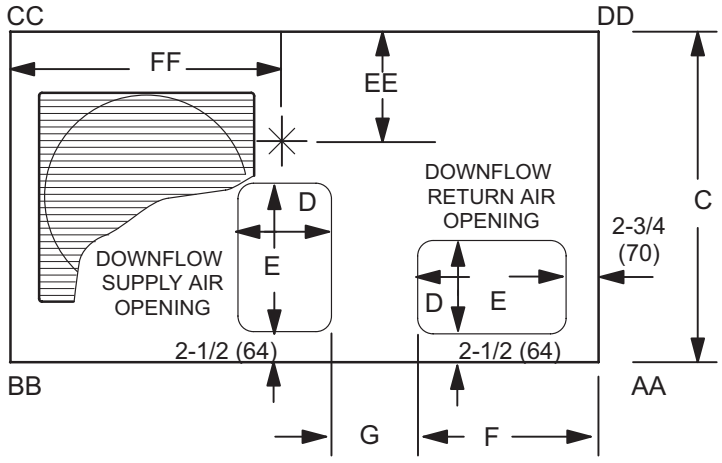



NOTE -Top Clearance - 36 in. (914 mm)

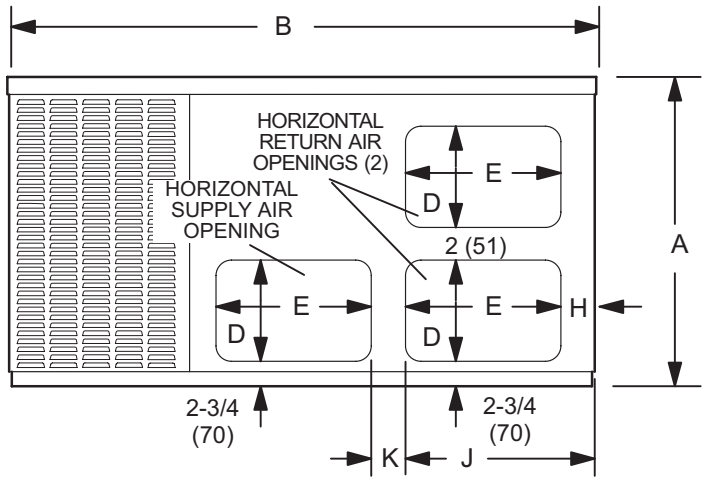
NOTE - Entire perimeter of unit base requires support when elevated above mounting surface.

[1] Maintain 18 in. (457 mm) service clearance for accessory maintenance if equipped.

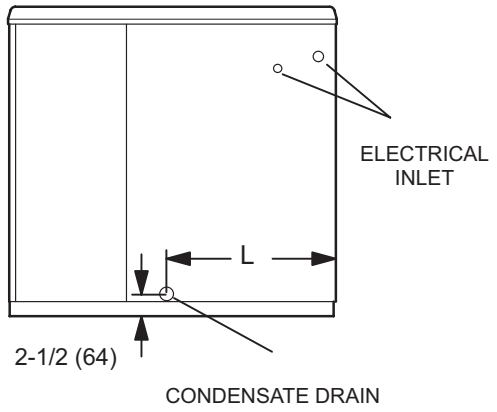
## DIMENSIONS - INCHES (MM)




TOP VIEW




BACK VIEW




END VIEW

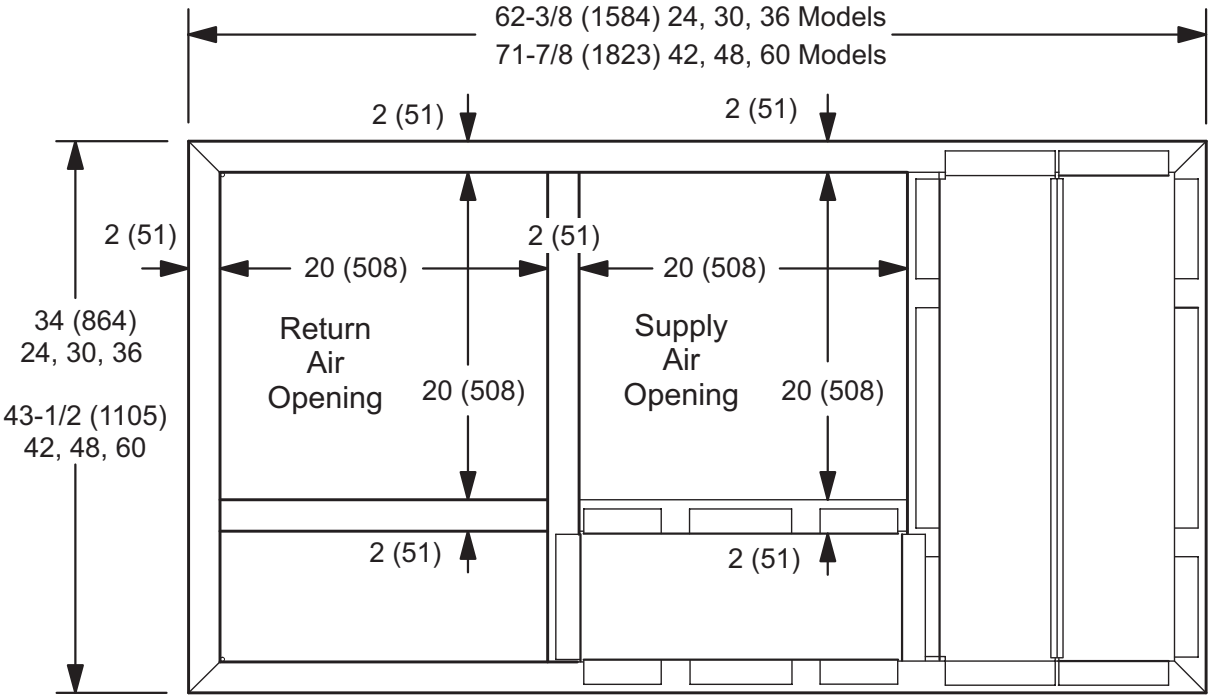
| Model No. | A | | B | | C | | D | | E | | F | | G | | H | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm |
| 15CHAXA-24<br>15CHAXA-30<br>15CHAXA-36 | 34-1/4 | 870 | 65-3/8 | 1661 | 36-1/2 | 927 | 11-1/4 | 286 | 17-1/4 | 438 | 20 | 508 | 8-1/2 | 216 | 3 | 76 |
| 15CHAXA-42<br>15CHAXA-48<br>15CHAXA-60 | 38-1/4 | 972 | 75 | 1905 | 46 | 1168 | 11-1/4 | 286 | 19-1/4 | 489 | 22 | 559 | 9-1/4 | 241 | 3-1/4 | 83 |

| Model No. | J | | K | | L | |
|---|---|---|---|---|---|---|
| | in | mm | in | mm | in | mm |
| 15CHAXA-24<br>15CHAXA-30<br>15CHAXA-36 | 20-1/4 | 514 | 4-1/2 | 114 | 19 | 483 |
| 15CHAXA-42<br>15CHAXA-48<br>15CHAXA-60 | 22-1/4 | 572 | 4 | 102 | 16-1/4 | 413 |

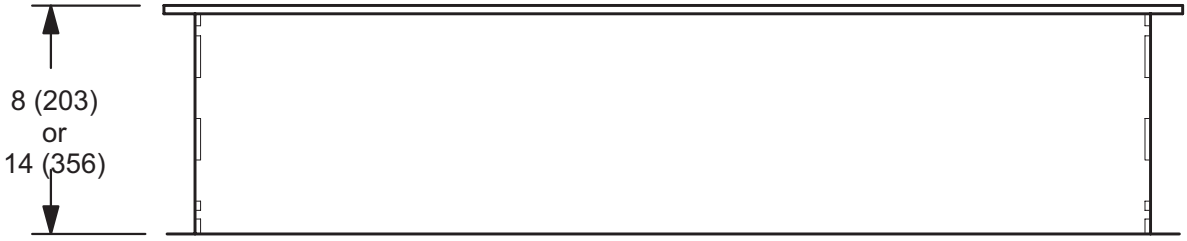
| Model No | Corner Weights | | | | | | | | Center of Gravity | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AA | | BB | | CC | | DD | | EE | | FF | |
| | lbs. | kg | lbs. | kg | lbs. | kg | lbs. | kg | in. | mm | in. | mm |
| 15CHAXA-24<br>15CHAXA-30 | 73 | 33 | 91 | 41 | 114 | 52 | 92 | 42 | 16 | 406 | 29 | 737 |
| 15CHAXA-36 | 80 | 36 | 93 | 42 | 117 | 53 | 100 | 45 | 16 | 406 | 30 | 762 |
| 15CHAXA-42 | 102 | 46 | 128 | 58 | 151 | 68 | 120 | 54 | 21 | 533 | 33 | 838 |
| 15CHAXA-48<br>15CHAXA-60 | 105 | 48 | 129 | 59 | 152 | 69 | 124 | 56 | 21 | 533 | 33-1/2 | 851 |

## ACCESSORY DIMENSIONS - INCHES (MM)

### ROOF CURBS




**TOP VIEW**




**SIDE VIEW**

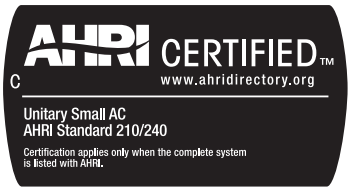
## COOLING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

| Entering Wet Bulb Temperature | Total Air Volume | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 85°F | | | | | 95°F | | | | | 105°F | | | | | 115°F | | | | |
| | | Total Cool Cap. | Comp. Motor Input | Sensible To Total Ratio (S/T) Dry Bulb | | | Total Cool Cap. | Comp. Motor Input | Sensible To Total Ratio (S/T) Dry Bulb | | | Total Cool Cap. | Comp. Motor Input | Sensible To Total Ratio (S/T) Dry Bulb | | | Total Cool Cap. | Comp. Motor Input | Sensible To Total Ratio (S/T) Dry Bulb | | |
| | cfm | kBtuh | kW | 75°F | 80°F | 85°F | kBtuh | kW | 75°F | 80°F | 85°F | kBtuh | kW | 75°F | 80°F | 85°F | kBtuh | kW | 75°F | 80°F | 85°F |
| **2 TON COOLING CAPACITY 15CHAXA-24** | | | | | | | | | | | | | | | | | | | | | |
| 63°F (17°C) | 600 | 22.0 | 1.26 | 0.73 | 0.86 | 0.99 | 20.9 | 1.41 | 0.74 | 0.87 | 1.00 | 19.7 | 1.60 | 0.77 | 0.91 | 1.00 | 18.5 | 1.82 | 0.79 | 0.93 | 1.00 |
| | 800 | 22.9 | 1.27 | 0.80 | 0.95 | 1.00 | 21.9 | 1.43 | 0.81 | 0.96 | 1.00 | 20.6 | 1.62 | 0.84 | 1.00 | 1.00 | 19.3 | 1.84 | 0.87 | 1.00 | 1.00 |
| | 1000 | 23.7 | 1.28 | 0.86 | 1.00 | 1.00 | 22.5 | 1.44 | 0.88 | 1.00 | 1.00 | 21.3 | 1.64 | 0.91 | 1.00 | 1.00 | 19.9 | 1.86 | 0.93 | 1.00 | 1.00 |
| 67°F (19°C) | 600 | 24.2 | 1.28 | 0.57 | 0.70 | 0.82 | 22.3 | 1.44 | 0.58 | 0.71 | 0.84 | 21.0 | 1.64 | 0.60 | 0.74 | 0.87 | 19.7 | 1.86 | 0.62 | 0.76 | 0.89 |
| | 800 | 24.6 | 1.28 | 0.62 | 0.77 | 0.92 | 23.0 | 1.44 | 0.62 | 0.78 | 0.93 | 21.7 | 1.64 | 0.65 | 0.81 | 0.97 | 20.3 | 1.86 | 0.67 | 0.83 | 0.99 |
| | 1000 | 24.9 | 1.29 | 0.66 | 0.84 | 0.99 | 23.5 | 1.44 | 0.67 | 0.85 | 1.00 | 22.1 | 1.64 | 0.69 | 0.88 | 1.00 | 20.7 | 1.86 | 0.71 | 0.91 | 1.00 |
| 71°F (22°C) | 600 | 24.9 | 1.29 | 0.44 | 0.55 | 0.67 | 23.7 | 1.45 | 0.45 | 0.56 | 0.68 | 22.3 | 1.65 | 0.46 | 0.58 | 0.70 | 20.9 | 1.88 | 0.48 | 0.60 | 0.72 |
| | 800 | 25.6 | 1.30 | 0.45 | 0.59 | 0.74 | 24.4 | 1.45 | 0.46 | 0.60 | 0.75 | 23.0 | 1.65 | 0.47 | 0.62 | 0.78 | 21.5 | 1.88 | 0.49 | 0.64 | 0.80 |
| | 1000 | 26.1 | 1.31 | 0.47 | 0.65 | 0.82 | 24.8 | 1.47 | 0.48 | 0.65 | 0.83 | 23.4 | 1.67 | 0.50 | 0.68 | 0.86 | 21.9 | 1.90 | 0.51 | 0.70 | 0.88 |
| **2.5 TON COOLING CAPACITY 15CHAXA-30** | | | | | | | | | | | | | | | | | | | | | |
| 63°F (17°C) | 800 | 26.9 | 1.67 | 0.71 | 0.84 | 0.97 | 25.7 | 1.87 | 0.72 | 0.85 | 0.98 | 24.2 | 2.13 | 0.75 | 0.88 | 1.00 | 22.6 | 2.42 | 0.77 | 0.91 | 1.00 |
| | 1000 | 28.1 | 1.68 | 0.78 | 0.92 | 1.00 | 26.8 | 1.89 | 0.79 | 0.93 | 1.00 | 25.3 | 2.15 | 0.82 | 0.97 | 1.00 | 23.6 | 2.44 | 0.84 | 1.00 | 1.00 |
| | 1200 | 29.0 | 1.69 | 0.84 | 0.99 | 1.00 | 27.6 | 1.90 | 0.85 | 1.00 | 1.00 | 26.1 | 2.16 | 0.89 | 1.00 | 1.00 | 24.4 | 2.46 | 0.91 | 1.00 | 1.00 |
| 67°F (19°C) | 800 | 28.7 | 1.70 | 0.56 | 0.68 | 0.80 | 27.4 | 1.91 | 0.57 | 0.69 | 0.81 | 25.8 | 2.17 | 0.59 | 0.72 | 0.85 | 24.1 | 2.47 | 0.60 | 0.74 | 0.87 |
| | 1000 | 29.6 | 1.70 | 0.60 | 0.75 | 0.89 | 28.2 | 1.91 | 0.61 | 0.76 | 0.90 | 26.6 | 2.17 | 0.63 | 0.79 | 0.94 | 24.9 | 2.47 | 0.65 | 0.81 | 0.96 |
| | 1200 | 30.2 | 1.71 | 0.64 | 0.82 | 0.96 | 28.8 | 1.92 | 0.65 | 0.83 | 0.98 | 27.1 | 2.18 | 0.68 | 0.86 | 1.00 | 25.4 | 2.48 | 0.69 | 0.88 | 1.00 |
| 71°F (22°C) | 800 | 30.5 | 1.71 | 0.43 | 0.54 | 0.65 | 29.0 | 1.93 | 0.43 | 0.54 | 0.66 | 27.4 | 2.19 | 0.45 | 0.57 | 0.69 | 25.6 | 2.49 | 0.46 | 0.58 | 0.70 |
| | 1000 | 31.4 | 1.72 | 0.44 | 0.58 | 0.72 | 29.9 | 1.93 | 0.44 | 0.59 | 0.73 | 28.2 | 2.19 | 0.46 | 0.61 | 0.76 | 26.4 | 2.49 | 0.47 | 0.62 | 0.78 |
| | 1200 | 32.0 | 1.73 | 0.46 | 0.63 | 0.80 | 30.5 | 1.95 | 0.47 | 0.64 | 0.81 | 28.7 | 2.21 | 0.48 | 0.66 | 0.84 | 26.9 | 2.52 | 0.50 | 0.68 | 0.86 |
| **3 TON COOLING CAPACITY 15CHAXA-36** | | | | | | | | | | | | | | | | | | | | | |
| 63°F (17°C) | 1000 | 33.8 | 2.02 | 0.74 | 0.88 | 1.00 | 32.2 | 2.29 | 0.76 | 0.90 | 1.00 | 30.4 | 2.60 | 0.78 | 0.93 | 1.00 | 28.4 | 2.96 | 0.81 | 0.96 | 1.00 |
| | 1200 | 34.9 | 2.02 | 0.79 | 0.93 | 1.00 | 33.3 | 2.30 | 0.81 | 0.96 | 1.00 | 31.4 | 2.61 | 0.83 | 0.98 | 1.00 | 29.3 | 2.97 | 0.86 | 1.00 | 1.00 |
| | 1400 | 36.0 | 2.03 | 0.85 | 0.98 | 1.00 | 34.3 | 2.31 | 0.87 | 1.00 | 1.00 | 32.4 | 2.62 | 0.89 | 1.00 | 1.00 | 30.2 | 2.98 | 0.92 | 1.00 | 1.00 |
| 67°F (19°C) | 1000 | 35.6 | 2.03 | 0.58 | 0.71 | 0.84 | 34.0 | 2.31 | 0.59 | 0.73 | 0.86 | 32.0 | 2.63 | 0.61 | 0.74 | 0.89 | 29.9 | 2.99 | 0.63 | 0.77 | 0.92 |
| | 1200 | 36.8 | 2.04 | 0.61 | 0.76 | 0.90 | 35.0 | 2.32 | 0.62 | 0.78 | 0.93 | 33.0 | 2.64 | 0.64 | 0.80 | 0.95 | 30.9 | 3.00 | 0.66 | 0.83 | 0.99 |
| | 1400 | 37.5 | 2.05 | 0.64 | 0.81 | 0.95 | 35.7 | 2.32 | 0.66 | 0.83 | 0.97 | 33.7 | 2.65 | 0.68 | 0.86 | 1.00 | 31.5 | 3.01 | 0.70 | 0.89 | 1.00 |
| 71°F (22°C) | 1000 | 38.2 | 2.04 | 0.43 | 0.56 | 0.67 | 36.4 | 2.33 | 0.45 | 0.57 | 0.69 | 34.3 | 2.65 | 0.46 | 0.59 | 0.71 | 32.1 | 3.01 | 0.48 | 0.61 | 0.74 |
| | 1200 | 39.0 | 2.05 | 0.44 | 0.59 | 0.73 | 37.1 | 2.33 | 0.46 | 0.60 | 0.75 | 35.0 | 2.65 | 0.47 | 0.62 | 0.77 | 32.7 | 3.02 | 0.49 | 0.64 | 0.80 |
| | 1400 | 39.7 | 2.06 | 0.45 | 0.63 | 0.79 | 37.8 | 2.34 | 0.46 | 0.64 | 0.81 | 35.7 | 2.66 | 0.48 | 0.66 | 0.83 | 33.3 | 3.03 | 0.49 | 0.68 | 0.86 |
| **3.5 TON COOLING CAPACITY 15CHAXA-42** | | | | | | | | | | | | | | | | | | | | | |
| 63°F (17°C) | 1200 | 40.1 | 2.40 | 0.70 | 0.82 | 0.95 | 38.2 | 2.71 | 0.71 | 0.84 | 0.97 | 36.0 | 3.08 | 0.73 | 0.87 | 1.00 | 33.7 | 3.51 | 0.76 | 0.90 | 1.00 |
| | 1400 | 41.4 | 2.40 | 0.74 | 0.87 | 1.00 | 39.4 | 2.72 | 0.76 | 0.90 | 1.00 | 37.2 | 3.09 | 0.78 | 0.92 | 1.00 | 34.8 | 3.52 | 0.81 | 0.96 | 1.00 |
| | 1600 | 42.7 | 2.41 | 0.79 | 0.92 | 1.00 | 40.7 | 2.73 | 0.81 | 0.94 | 1.00 | 38.4 | 3.10 | 0.83 | 0.97 | 1.00 | 35.9 | 3.53 | 0.87 | 1.00 | 1.00 |
| 67°F (19°C) | 1200 | 42.3 | 2.41 | 0.54 | 0.66 | 0.79 | 40.3 | 2.74 | 0.55 | 0.68 | 0.81 | 38.0 | 3.12 | 0.57 | 0.70 | 0.83 | 35.5 | 3.54 | 0.59 | 0.72 | 0.86 |
| | 1400 | 43.6 | 2.42 | 0.57 | 0.71 | 0.85 | 41.5 | 2.75 | 0.58 | 0.73 | 0.87 | 39.2 | 3.13 | 0.60 | 0.75 | 0.89 | 36.6 | 3.55 | 0.62 | 0.78 | 0.93 |
| | 1600 | 44.4 | 2.42 | 0.60 | 0.76 | 0.89 | 42.3 | 2.76 | 0.62 | 0.78 | 0.91 | 39.9 | 3.14 | 0.64 | 0.80 | 0.94 | 37.3 | 3.56 | 0.66 | 0.83 | 0.97 |
| 71°F (22°C) | 1200 | 45.3 | 2.43 | 0.41 | 0.52 | 0.63 | 43.2 | 2.76 | 0.42 | 0.53 | 0.65 | 40.7 | 3.14 | 0.43 | 0.55 | 0.66 | 38.1 | 3.56 | 0.44 | 0.57 | 0.69 |
| | 1400 | 46.2 | 2.43 | 0.42 | 0.55 | 0.69 | 44.0 | 2.77 | 0.43 | 0.56 | 0.70 | 41.5 | 3.15 | 0.44 | 0.58 | 0.72 | 38.8 | 3.57 | 0.45 | 0.60 | 0.75 |
| | 1600 | 47.1 | 2.44 | 0.42 | 0.59 | 0.74 | 44.8 | 2.78 | 0.43 | 0.60 | 0.76 | 42.3 | 3.16 | 0.45 | 0.62 | 0.78 | 39.5 | 3.59 | 0.46 | 0.64 | 0.81 |
| **4 TON COOLING CAPACITY 15CHAXA-48** | | | | | | | | | | | | | | | | | | | | | |
| 63°F (17°C) | 1400 | 46.4 | 2.90 | 0.74 | 0.88 | 1.00 | 44.2 | 3.30 | 0.75 | 0.89 | 1.00 | 42.1 | 3.75 | 0.77 | 0.92 | 1.00 | 39.7 | 4.26 | 0.79 | 0.94 | 1.00 |
| | 1600 | 47.4 | 2.91 | 0.76 | 0.91 | 1.00 | 45.1 | 3.31 | 0.77 | 0.92 | 1.00 | 43.0 | 3.76 | 0.79 | 0.95 | 1.00 | 40.5 | 4.27 | 0.82 | 0.97 | 1.00 |
| | 1800 | 47.9 | 2.92 | 0.79 | 0.94 | 1.00 | 45.6 | 3.32 | 0.80 | 0.95 | 1.00 | 43.4 | 3.77 | 0.83 | 0.98 | 1.00 | 41.0 | 4.28 | 0.85 | 1.00 | 1.00 |
| 67°F (19°C) | 1400 | 49.4 | 2.93 | 0.58 | 0.71 | 0.85 | 47.0 | 3.33 | 0.59 | 0.72 | 0.87 | 44.8 | 3.79 | 0.60 | 0.74 | 0.89 | 42.3 | 4.30 | 0.62 | 0.76 | 0.91 |
| | 1600 | 49.9 | 2.94 | 0.59 | 0.74 | 0.88 | 47.5 | 3.34 | 0.60 | 0.75 | 0.89 | 45.2 | 3.80 | 0.62 | 0.77 | 0.92 | 42.7 | 4.31 | 0.63 | 0.79 | 0.94 |
| | 1800 | 50.4 | 2.95 | 0.61 | 0.77 | 0.92 | 48.0 | 3.35 | 0.62 | 0.78 | 0.94 | 45.7 | 3.81 | 0.63 | 0.80 | 0.96 | 43.1 | 4.32 | 0.65 | 0.82 | 0.99 |
| 71°F (22°C) | 1400 | 52.4 | 2.96 | 0.44 | 0.56 | 0.68 | 49.9 | 3.36 | 0.44 | 0.57 | 0.69 | 47.5 | 3.82 | 0.45 | 0.58 | 0.71 | 44.8 | 4.35 | 0.46 | 0.60 | 0.73 |
| | 1600 | 52.9 | 2.97 | 0.44 | 0.58 | 0.71 | 50.4 | 3.37 | 0.45 | 0.59 | 0.72 | 48.0 | 3.83 | 0.46 | 0.60 | 0.74 | 45.2 | 4.36 | 0.47 | 0.62 | 0.76 |
| | 1800 | 53.4 | 2.98 | 0.45 | 0.59 | 0.74 | 50.8 | 3.38 | 0.46 | 0.60 | 0.75 | 48.4 | 3.84 | 0.47 | 0.62 | 0.77 | 45.7 | 4.37 | 0.48 | 0.64 | 0.79 |
| **5 TON COOLING CAPACITY 15CHAXA-60** | | | | | | | | | | | | | | | | | | | | | |
| 63°F (17°C) | 1600 | 55.6 | 3.46 | 0.72 | 0.86 | 0.99 | 52.9 | 3.94 | 0.73 | 0.87 | 1.00 | 50.3 | 4.49 | 0.75 | 0.89 | 1.00 | 47.3 | 4.49 | 0.75 | 0.89 | 1.00 |
| | 1800 | 56.9 | 3.47 | 0.74 | 0.89 | 1.00 | 54.1 | 3.95 | 0.75 | 0.90 | 1.00 | 51.4 | 4.50 | 0.77 | 0.92 | 1.00 | 48.4 | 4.50 | 0.77 | 0.92 | 1.00 |
| | 2000 | 57.5 | 3.48 | 0.77 | 0.91 | 1.00 | 54.6 | 3.96 | 0.78 | 0.92 | 1.00 | 51.9 | 4.51 | 0.80 | 0.95 | 1.00 | 48.9 | 4.51 | 0.80 | 0.95 | 1.00 |
| 67°F (19°C) | 1600 | 59.3 | 3.49 | 0.56 | 0.69 | 0.83 | 56.4 | 3.98 | 0.57 | 0.70 | 0.84 | 53.6 | 4.54 | 0.59 | 0.72 | 0.87 | 50.5 | 4.54 | 0.59 | 0.72 | 0.87 |
| | 1800 | 60.0 | 3.50 | 0.58 | 0.72 | 0.86 | 57.0 | 3.99 | 0.58 | 0.73 | 0.87 | 54.2 | 4.55 | 0.60 | 0.75 | 0.89 | 51.0 | 4.55 | 0.60 | 0.75 | 0.89 |
| | 2000 | 60.6 | 3.51 | 0.59 | 0.75 | 0.90 | 57.6 | 4.00 | 0.60 | 0.76 | 0.91 | 54.8 | 4.56 | 0.62 | 0.78 | 0.94 | 51.5 | 4.56 | 0.62 | 0.78 | 0.94 |
| 71°F (22°C) | 1600 | 63.0 | 3.58 | 0.42 | 0.54 | 0.67 | 60.0 | 4.02 | 0.43 | 0.55 | 0.68 | 57.0 | 4.58 | 0.44 | 0.57 | 0.69 | 53.7 | 4.58 | 0.44 | 0.57 | 0.69 |
| | 1800 | 63.7 | 3.54 | 0.43 | 0.56 | 0.69 | 60.5 | 4.03 | 0.44 | 0.57 | 0.70 | 57.6 | 4.59 | 0.45 | 0.58 | 0.72 | 54.2 | 4.59 | 0.45 | 0.58 | 0.72 |
| | 2000 | 64.3 | 3.55 | 0.44 | 0.58 | 0.72 | 61.1 | 4.04 | 0.45 | 0.59 | 0.73 | 58.1 | 4.60 | 0.46 | 0.60 | 0.75 | 54.7 | 4.60 | 0.46 | 0.60 | 0.75 |

## REVISIONS

| Sections | Description of Change |
|---|---|
| Cooling Ratings | Updated Cooling Capacity ratings for 15CHAXA-60. |
| Specifications | Total Cooling Capacity and Total Unit Watts revised for all units. |





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Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.
Installation and service must be performed by a qualified installer and servicing agency.