

Technical Guide: RC Series RC3 Models - 13.4 SEER2 Split-System Air Conditioner - Single-Phase

R-454B - 1.5 nominal ton to 5 nominal ton



York International Corporation, 5005 York
Drive, Norman, OK 73069

6523454-UTG-A-0624

Supersedes: Nothing

2024-06-25

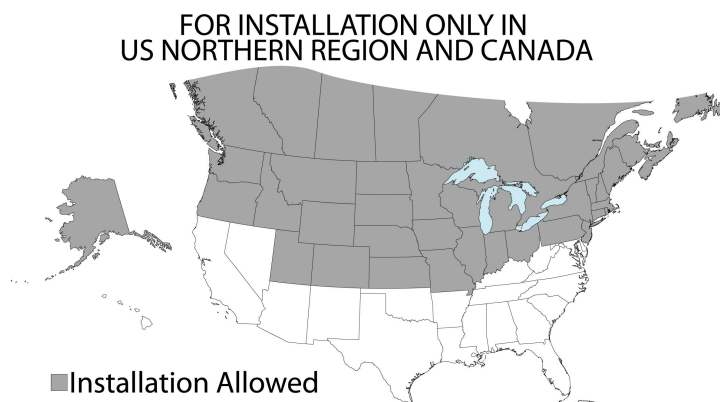
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Description

The RC3 models are part of our successful 13.4 SEER2 Regional Minimum Efficiency product line available in the northern United States and Canada. These outdoor units are specifically designed to be matched with our residential indoor coils, furnaces, and air handlers to provide a complete system solution.

Figure 1: Installation map



Due to continuous product improvement, specifications are subject to change without notice.

Visit us on the web at www.simplygettingthejobdone.com.

Additional rating information can be found at www.ahridirectory.org.

This document is only for distribution use - it is not to be used at point of retail sale.

Certification



Assembled at a facility with
an ISO 9001:2015-certified
Quality Management
System

Warranty summary

Standard 5-year limited parts warranty.

Standard 10-year limited compressor warranty.

Extended 10-year limited parts warranty when product is registered online within 90 days of purchase for replacement or closing for new home construction.

The warranty does not apply to R-22 models, three-phase models, or internet sales.

Refer to the limited warranty certificate in the *User's Information Manual* for details.

Features

- **Small footprint** - Minimum footprint for easier handling, transportation, and installation.
- **Easier installation** - Independent panels provide quick access for unit setup. Installation time is reduced by easy power and control wiring access. Select indoor matches with factory-mounted TXVs are available for quicker system installation. The filter-drier is shipped loose for installation in the field. The unit is factory-charged for 15 ft refrigeration piping. The small base dimension and reduced unit clearances make for easier retrofits.
- **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 powdercoat paint further protects external panels.
- **Quality coils** - The high efficiency microchannel aluminum coil is manufactured using an improved material system, providing reliable performance and small unit size.
- **Rugged coil protection** - Coils are protected from mechanical damage by a proven stamped steel coil guard design.
- **Protected compressor** - Compressors are protected internally by a high-pressure relief valve and a temperature sensor, and externally by the system high-pressure switch.
- **Reliable operation** - Ball bearing fan motors provide superior performance in extreme temperatures.
- **Environmentally friendly** - CFC-free R-454B refrigerant delivers environmentally friendly performance with zero ozone depletion.
- **Top discharge** - Warm air is blown up, away from the structure and any landscaping, allowing 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 of 77 dBA or lower. Compatible accessories for further sound reduction are also available.
- **Better service access** - Diagonal base valves with open access for low-loss fittings, single panel access to the electrical controls, swing out control box for full corner access, and removable fan guard allow easy access for unit maintenance.
- **Agency listed** - Safety certified by CSA to UL 60335-2-40/CSA C22.2. Performance certified to ANSI/AHRI Standard 210/240 in accordance with the Unitary Small Equipment certification program.

Nomenclature

Table 1: Nomenclature for AC and HP R-454B units

| Number | Category | Option | Description |
|--------|-------------------------------|--------|--|
| 1 | Brand | Y | YORK |
| | | X | Private brand |
| | | R | OTC |
| 2 | Product type | C | AC |
| | | H | HP |
| 3 | Nominal series efficiency | 3 | 13.4 SEER2 LGWP |
| | | 4 | 14.3 SEER2 LGWP |
| | | 5 | 15.2 SEER2 LGWP |
| | | 6 | 16 SEER2 LGWP |
| | | 7 | 17 SEER2 LGWP |
| | | 8 | 18 SEER2 LGWP |
| | | 9 | 19 SEER2 LGWP |
| | | V | 20/21 SEER2 (DOE ccHP) |
| | | X | 22/23 SEER2 |
| 4, 5 | Nominal unit capacity (MBH) | Z | 24+ SEER2 |
| | | 18 | 1.5 ton |
| | | 24 | 2 ton |
| | | 30 | 2.5 ton |
| | | 36 | 3 ton |
| | | 42 | 3.5 ton |
| | | 48 | 4 ton |
| 6 | Refrigerant | 60 | 5 ton |
| | | D | TBC |
| 7 | Voltage (voltage-phase-hertz) | E | R-454B |
| | | 2 | 208/230-1-60 |
| | | 3 | 208/230-3-60 |
| | | 4 | 460-3-60 |
| 8 | Control strategy | 5 | 575-3-60 |
| | | C | Communicating |
| | | B | Wireless (communicating) |
| | | S | Standard (conventional) |
| 9 | Factory option | W | Wireless (conventional) |
| | | 1 | Standard (no options) |
| | | 2 | Hard start kit |
| | | 3 | Coastal condenser coil |
| 10 | Generation | 4 | Coastal condenser coil with hard start kit |
| | | 1 | First generation |
| 11 | Style letter (minor revision) | 2 | Second generation |
| | | A | Style A |
| 11 | Style letter (minor revision) | B | Style B |

Table 2: Model nomenclature example

| Number | 1 | 2 | 3 | 4, 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|--------|---|---|---|------|---|---|---|---|----|----|
| Option | R | C | 3 | 18 | E | 2 | S | 1 | 1 | A |

Physical and electrical data

Table 3: Physical and electrical data

| Outdoor unit model | RC318E2S11 | RC324E2S11 | RC330E2S11 | RC336E2S11 | RC342E2S11 | RC348E2S11 | RC360E2S11 |
|--|---------------------------|------------|------------|------------|------------|------------|------------|
| Unit supply voltage | 208/230 V, 1 phase, 60 Hz | | | | | | |
| Normal voltage range ¹ (V) | 187—252 | | | | | | |
| Minimum circuit ampacity (A) | 9.1 | 12.7 | 16.3 | 18.2 | 19.2 | 29.3 | 30.9 |
| Maximum overcurrent device ² (A) | 15 | 20 | 25 | 30 | 30 | 50 | 50 |
| Minimum overcurrent device ³ (A) | 15 | 15 | 20 | 20 | 20 | 30 | 35 |
| Compressor type ⁴ | Rotary | Rotary | Scroll | Scroll | Scroll | Scroll | Scroll |
| Compressor rated load | 6.7 | 9.6 | 12.5 | 13.5 | 14.3 | 22.4 | 23.7 |
| Compressor locked rotor | 33.0 | 53.0 | 67.0 | 82.5 | 95.0 | 126.0 | 157.0 |
| Crankcase heater | No | No | No | No | No | No | No |
| Factory external discharge muffler | No | No | No | No | No | No | No |
| HS kit required with TXV ⁵ | No | No | No | No | No | No | No |
| HS kit part number (S1-2SA067*****) | 22006 | 22006 | 10106 | 10106 | 10106 | 10106 | 10106 |
| Fan diameter (in.) | 18 | 18 | 18 | 18 | 22 | 24 | 26 |
| Fan motor type | PSC | PSC | PSC | PSC | PSC | PSC | PSC |
| Fan motor rated HP | 1/12 | 1/8 | 1/8 | 1/4 | 1/4 | 1/4 | 1/4 |
| Fan motor rated load (A) | 0.64 | 0.70 | 0.70 | 1.33 | 1.30 | 1.30 | 1.30 |
| Fan motor nominal RPM | 1000 | 1100 | 1100 | 1100 | 850 | 850 | 850 |
| Fan motor nominal CFM | 1900 | 2150 | 2150 | 2575 | 3275 | 3500 | 4300 |
| Coil face area (sq. ft.) | 9.74 | 12.47 | 13.84 | 13.84 | 17.31 | 18.70 | 23.33 |
| Coil rows deep | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Coil fins per inch | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| Liquid refrigerant piping outdoor unit (field installed) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Vapor refrigerant piping outdoor unit (field installed) ⁶ | 3/4 | 3/4 | 3/4 | 3/4 | 7/8 | 7/8 | 1 1/8† |
| Unit charge ⁷ (lb-oz) | 2-6 | 2-12 | 2-13 | 2-14 | 2-15 | 3-4 | 3-10 |
| Charge (oz/ft) | 0.57 | 0.57 | 0.57 | 0.57 | 0.60 | 0.60 | 0.67 |
| Operating weight (lb) | 120 | 135 | 140 | 140 | 195 | 210 | 230 |

Physical and electrical data notes

1. Rated in accordance with AHRI Standard 110-2012, utilization range A.
2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.
4. Rotary compressor models are limited to an equivalent length of refrigerant piping of 100 ft with no exceptions.

5. Refer to the *Hard Start Kit Accessory Installation Manual* for the hard start kit part number for each model. The hard start kit is a field-installed accessory.
6. For applications with non-standard vapor line sizes, see *Applications and accessories*.
7. The unit charge is correct for the outdoor unit, smallest matched indoor unit, and 15 ft of refrigerant tubing. For tubing lengths other than 15 ft, add or subtract the amount of refrigerant, using the difference in actual refrigeration piping length (not the equivalent length) multiplied by the per foot value.

‡ The adapter fitting must be field installed for the required 1 1/8 in. refrigeration piping.

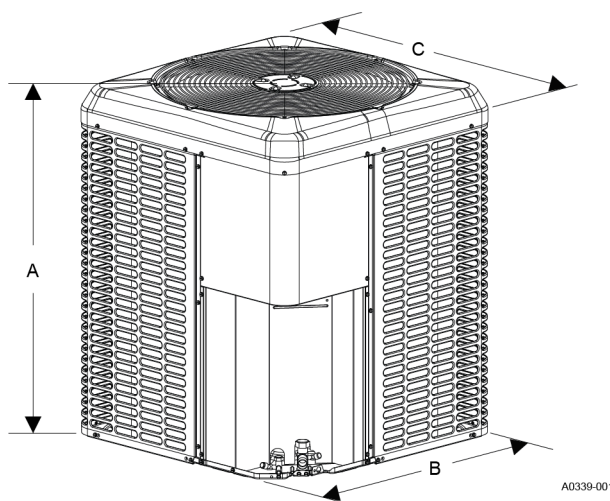
Dimensions

Table 4: Dimensions

| Outdoor unit model | Installed height (in.) | Installed depth (in.) | Installed width (in.) | Refrigerant liquid service valve (in.) | Refrigerant vapor service valve (in.) |
|--------------------|------------------------|-----------------------|-----------------------|--|---------------------------------------|
| RC318E2S11 | 26 3/4 | 24 | 24 | 3/8 | 3/4 |
| RC324E2S11 | 33 1/4 | 24 | 24 | 3/8 | 3/4 |
| RC330E2S11 | 36 1/4 | 24 | 24 | 3/8 | 3/4 |
| RC336E2S11 | 36 1/4 | 24 | 24 | 3/8 | 3/4 |
| RC342E2S11 | 36 1/4 | 29 1/4 | 29 1/4 | 3/8 | 7/8 |
| RC348E2S11 | 33 1/4 | 35 1/4 | 31 3/4 | 3/8 | 7/8 |
| RC360E2S11 | 36 1/4 | 38 | 34 1/4 | 3/8 | 7/8‡ |

Illustration of dimensions

Figure 2: Unit dimensions



Dimensions data notes

‡ The adapter fitting must be field-installed for the required 1 1/8 in. refrigeration piping.

- All dimensions are in inches and are subject to change without notice.
- The overall height is from the bottom of the base pan to the top of the fan guard.
- The overall length and width include screw heads.

System charge table

Table 5: System charge table

| Outdoor unit model | RC318E2S11 | RC324E2S11 | RC330E2S11 | RC336E2S11 | RC342E2S11 | RC348E2S11 | RC360E2S11 |
|---|------------------------|------------|------------|------------|------------|------------|------------|
| Required metering device ^{1,2} | 5A1 | 5A1 | 5A1 | 5C1 | 5C1 | 5C1 | 5C1 |
| Indoor coil model ^{3,4,5} | Additional charge (oz) | | | | | | |
| CT(F,M)24B**B | 6 | 5 | — | — | — | — | — |
| CT(F,M)30C**C | — | 6 | 6 | — | — | — | — |
| CT(F,M)36C**D | — | — | 13 | 12 | — | — | — |
| CT(F,M)48D**F | — | — | — | — | 17 | 12 | — |
| CT(F,M)60C**H | — | — | — | — | — | — | 23 |
| CT(F,M,U)18A**A | 4 | — | — | — | — | — | — |
| CT(F,M,U)24A**B | 6 | 5 | — | — | — | — | — |
| CT(F,M,U)30B**C | — | 6 | 6 | — | — | — | — |
| CT(F,M,U)36B**D | — | — | 13 | 12 | — | — | — |
| CT(F,M,U)48C**F | — | — | — | — | 17 | 12 | — |
| CT(F,M,U)60C**G | — | — | — | — | — | 16 | 19 |
| CT(F,M,U)60D**G | — | — | — | — | — | 16 | 19 |
| CT(F,M,U)60D**H | — | — | — | — | — | — | 23 |
| CTF18B**A | 4 | — | — | — | — | — | — |
| CTF30A**D | — | — | 13 | — | — | — | — |
| CTF36B**E | — | — | — | 14 | — | — | — |
| CTF42C**E | — | — | — | 14 | 14 | — | — |
| CTM42C**E | — | — | — | 14 | — | — | — |
| JHE18B**B | 6 | — | — | — | — | — | — |
| JHE24B**C | — | 6 | — | — | — | — | — |
| JHE30B**D | — | — | 13 | — | — | — | — |
| JHE36(B,C)**D | — | — | 13 | 12 | — | — | — |
| JHE42C**F | — | — | — | — | 17 | — | — |
| JHE48(C,D)**G | — | — | — | — | — | 16 | — |
| JHE60(C,D)**H | — | — | — | — | — | — | 23 |

System charge A-coil data notes

1. For applications requiring a TXV, use S1-1TVM*** series kit.
2. Use a TXV kit with these indoor units to obtain system performance.
3. Systems matched with furnaces or air handlers not equipped with blower-off delays may require blower time delay.
4. Do not use CTF, CTU, or CXF coils in horizontal applications. CTM coils can be used in horizontal, upflow, or downflow applications.
5. Charge adders shown above do not indicate that coils are rated for every application. See the *Performance data* tables for actual performance for specified system matches. Obtain certified system ratings from <http://www.ahridirectory.org>.

Charging

1. Check the factory unit charge listed on the unit nameplate to verify the refrigerant charge for the outdoor unit, the smallest matched indoor unit, and the 15 ft of interconnecting refrigeration piping.
2. Verify the indoor metering device and additional charge required for the specific matched indoor unit in the system using the *System charge* table.
3. Add additional charge for the amount of interconnecting refrigeration piping greater than 15 ft at the rate specified in the *Physical and electrical data* table.
4. For installations requiring additional charge, weigh in refrigerant for the specific matching indoor unit and actual refrigeration piping length.
5. After weighing in the charge adders for the matched indoor unit and refrigeration piping, verify the system operation against the temperatures and pressures in the charging chart for the outdoor unit. Locate the charging charts on the outdoor unit and in the *Service Data Application Guide* at www.simplygettingthejobdone.com. Follow the subcool or superheat charging procedure in the *Installation Manual* according to the type of indoor metering device in the system, and allow 10 min after each charge adjustment for the system operation to stabilize. Record the charge adjustment made to match the charging chart.
6. Permanently stamp the unit nameplate with the total system charge defined as follows: total system charge = base charge (as shipped) + charge adder for matched indoor unit + charge adder for actual refrigeration piping length + charge adjustments to match the charging chart.

Applications and accessories

Refer to the *Price Manual* for specific model numbers.

Table 6: Standard application limits

| Standard application limits | | |
|--|------------|-------|
| Maximum refrigeration piping equivalent length | | 80 ft |
| Outdoor ambient temperature limits | | |
| Cooling operation | Maximum DB | 115°F |
| | Minimum DB | 55°F |

Note: For low ambient and long refrigeration piping applications, see the accessories listed below.

Non-standard refrigeration piping applications: For installations with reduced diameter or long refrigeration piping, refer to the current version of the *Piping Application Guide* P/N 247077, available in the *Application Bulletins* section at www.simplygettingthejobdone.com.

OD unit anti-short cycle kit (10 Pack) (S1-2TD08700124BK): A time delay that prevents rapid compressor restarting as a result of power interruption, limit switch operation, or thermostat resetting. Not required for AC models with factory electronic controls.

Standard low ambient control kit (S1-2LA06700424): Allows the use of air conditioning at low outdoor ambient temperatures down to +20°F (-7°C). For use with all R-454B single-stage AC models.

Low pressure switch kit (S1-2PS06700524): Provides field installed low pressure (loss of charge) protection. Not required for AC models with factory electronic controls.

High ambient outdoor fan motor (S1-FHM**HT):** Class F 70°C motor to allow cooling operation up to 160°F air entering the outdoor coil. For use with all R-454B single-stage AC models containing R-454B refrigerant only.

Start assist kit (S1-2SA067**):** Provides increased compressor starting torque for areas with low supply voltage. Required for units with reciprocating compressors when applied with indoor TXV, and for all units when applied with long linesets or low ambient kits. May be factory installed on select AC units. See the *Physical and electrical data* table. Refer to the *Price Pages* or *Source 1 SmartSearch* for the correct kit for each application.

Compressor crankcase heater kit (S1-025-***-***):** A wrap-around electrical resistance heater that warms the compressor sump, reducing the chance of liquid slugging on startup. Required on all long lineset and low ambient applications. Refer to the *Price Pages* or *Source 1 SmartSearch* for the correct part for each application.

Anchor bracket kit (S1-1HK0601): Firmly anchors unit to pad or support structure. When correctly installed, approved for ground-mounted or roof-mounted applications.

Indoor TXV kit (S1-1TVM*):** Thermal expansion valves precisely meter refrigerant for optimum performance over a wide range of conditions. See the *System charge* table or refer to the *Price Pages* or *Source 1 Smart Search* for the TXV part number for each AC model.

Winter cover kit (S1-CCVRE*):** Custom fit winter cover protects AC outdoor unit from debris during the off-season. Remove before unit operation. Refer to the *Price Pages* or *Source 1 SmartSearch* for the correct cover for each application.

Touch-up paint (S1-5130153**):** Color matched aerosol paint for touching up unit chassis and panels. Refer to the *Price Pages* or *Source 1 SmartSearch* for the correct color for each application.

Compressor sound blanket (S1-01007xxx000): A field installed dense foam cover that provides 2 dBA sound level reduction. Refer to the *Price Pages* or *Source 1 SmartSearch* for the correct blanket for each application.

Thermostat: Compatible thermostat controls are available through accessory sourcing. For optimum performance, these outdoor units are fully compatible with our residential Hx™ Touch Screen Thermostat available through Source 1. For more information, refer to the *Thermostats & Controllers* section at www.simplygettingthejobdone.com.

Sound power rating

Table 7: Sound power data – Cooling – Octave band sound power level (db re. 1-pW)

| Outdoor unit model | Power level 63 (Hz) | Power level 125 (Hz) | Power level 250 (Hz) | Power level 500 (Hz) | Power level 1000 (Hz) | Power level 2000 (Hz) | Power level 4000 (Hz) | Power level 8000 (Hz) | dBA | SQI |
|--------------------|---------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|------|
| RC318E2S11 | 74 | 69 | 63 | 66 | 65 | 61 | 57 | 54 | 73 | 19.1 |
| RC324E2S11 | 72 | 73 | 65 | 68 | 65 | 66 | 68 | 59 | 74 | 19.0 |
| RC330E2S11 | 75 | 71 | 65 | 69 | 64 | 61 | 57 | 60 | 73 | 19.1 |
| RC336E2S11 | 72 | 73 | 68 | 70 | 68 | 66 | 60 | 64 | 74 | 19.0 |
| RC342E2S11 | 68 | 73 | 70 | 73 | 67 | 64 | 61 | 59 | 76 | 19.1 |
| RC348E2S11 | 68 | 70 | 70 | 70 | 69 | 63 | 61 | 61 | 76 | 19.2 |
| RC360E2S11 | 70 | 73 | 72 | 71 | 71 | 66 | 64 | 64 | 77 | 19.1 |

Mechanical specifications

Manufacture and certifications

- Units shall be assembled at a facility with an ISO 9001:2015-certified Quality Management System.
- Units shall be certified by CSA to UL 60335-2-40/CSA C22.2 and performance certified to ANSI/AHRI Standard 210/240.
- Units shall be sound tested according to ANSI/AHRI Standard 270.
- Certified matched system ratings shall be available for download from the AHRI online directory at www.ahridirectory.org.

Unit application

- Units shall be approved for cooling operation between 55°F and 115°F without modification.
- Units shall be approved for linesets up to 80 ft equivalent length without modification.
- Units shall be approved for installation within 6 in. of a flat vertical wall without modification, according to the instructions in the technical literature.
- Units shall be designed to 77 dBA or less to minimize sound pollution.

Unit access

- Units shall have a removable fan guard that can be removed independently of the top for interior access through the top of the unit without damaging the coil.
- Units shall have two removable stamped steel coil guards for exterior coil access.
- Units shall have a separate compartment for electrical controls that can be accessed without disturbing the unit airflow.
- Units shall have a blockoff panel that can be removed to provide interior unit access through the side of the unit.
- Units shall have a removable blockoff panel and a swing away removable electrical panel that provides sufficient interior unit access for removing the compressor through the side of the unit.

Unit construction

- Units shall be shipped completely wired, piped, and assembled. Wiring pigtails shall be provided for field control wiring connections. Service valves shall be provided for field refrigerant line connections.
- Units shall be factory leak checked, run tested, and shipped with a holding charge of R-454B refrigerant.
- Unit cabinet components shall be G90 equivalent steel finished with powder-coat paint rated at a minimum of 500 h under ASTM B117 testing.
- Unit base pan shall be stamped G90 equivalent steel finished with powder-coat paint rated at a minimum of 500 h under ASTM B117 testing.
- Units shall have a single corner post opposite the electrical control box and two independently removable steel coil guard panels to optimize cabinet strength and serviceability.
- Units shall have L-shaped stamped sheet metal coil guards with punched and extruded slots for maximum panel durability and stiffness.
- Unit base valves shall be mounted diagonally on the unit base pan with service ports that provide sufficient clearance for low-loss hose fittings.
- Units shall be constructed with a high-pressure switch for system protection.
- Units shall be constructed with all badging and labels applied at the factory.

Unit components

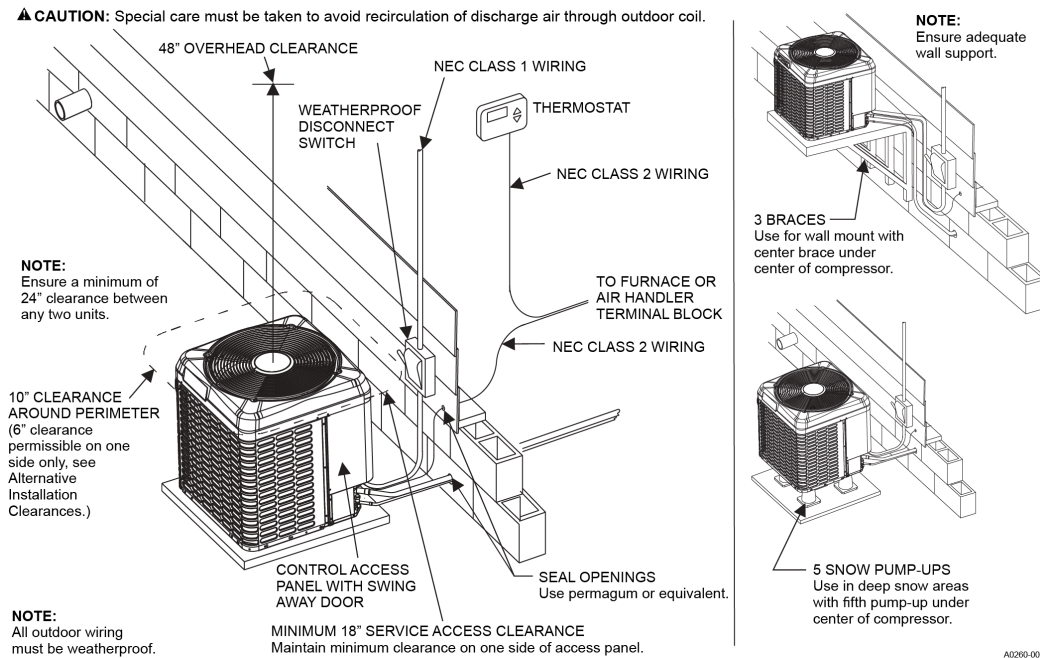
- Compressor shall be hermetic with internal electrical overload protection and internal overpressure protection.
- Compressor shall be mounted on rubber vibration isolators that do not require the removal of transportation clips or brackets.
- Outdoor fan shall be direct drive with vertical air discharge for low sound levels.
- Outdoor fan motor shall be totally enclosed with permanently lubricated ball bearings motors approved for vertical shaft applications.
- Outdoor coil shall be air cooled and have zinc-coated aluminum microchannel construction for small size and low weight.

Unit warranties

- Unit manufacturer shall provide a 10-year compressor warranty without a requirement for unit registration.
- Unit manufacturer shall provide a 5-year parts warranty without a requirement for unit registration.

Typical installation

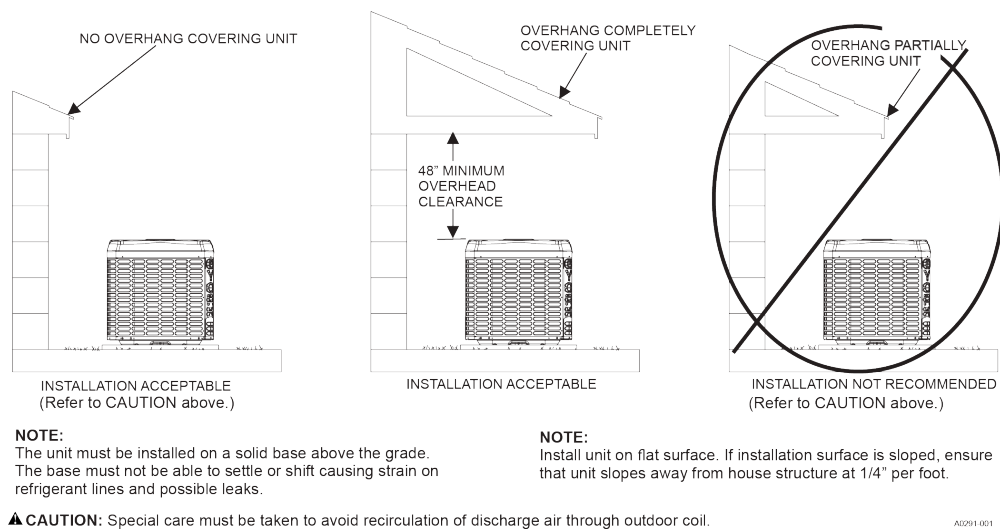
Figure 3: Typical installation



CAUTION

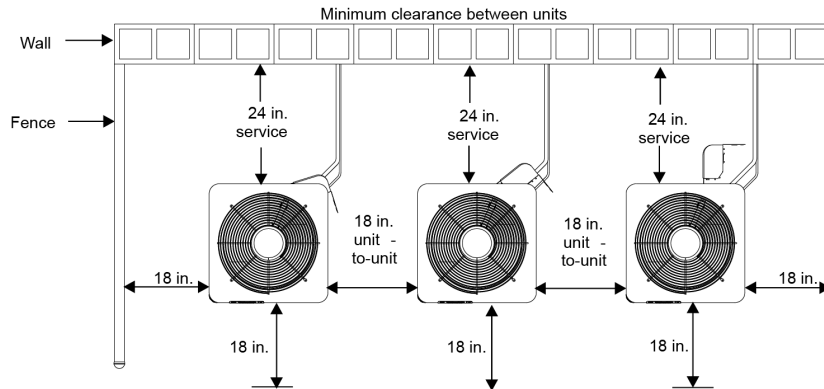
Care must be taken to prevent ice from damaging the unit. Damage may occur from ice falling onto unit from a sloped roof or from a vertical drip line due to a partial overhang.

Figure 4: Typical installation



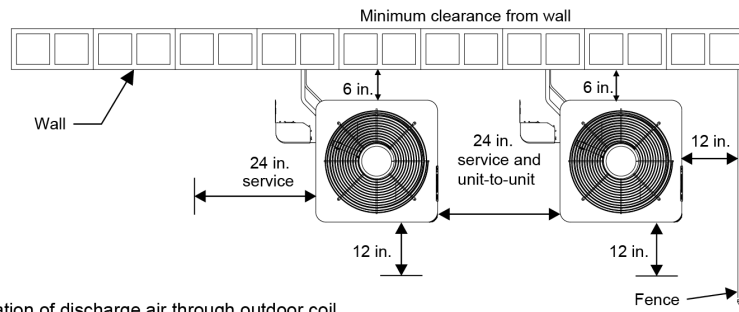
Alternative installation clearances

Figure 5: Alternative installation clearances



Note:
Clearance between two units may be reduced to 18 in. minimum provided the service access clearance is increased to 24 in. minimum, and the clearance on each remaining side is maintained at 18 in. minimum.

Note:
Clearance to one side of the unit may be reduced to 6 in. provided the clearance to each remaining side is increased to 12 in. minimum, the service access is increased to 24 in. minimum, and the clearances between any two units is maintained at 24 in. minimum.



CAUTION:
Special care must be taken to avoid recirculation of discharge air through outdoor coil.

A0287-001

Performance data - 1.5 ton

See the following tables for performance data for the RC318E2S11 unit.

Cooling performance data - 1.5 ton

Table 8: Cooling performance data - 1.5 ton

| Air temperature entering outdoor unit (°F) | Indoor CFM | 450 | | | | | 600 | | | | | 750 | | | | |
|--|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Indoor dry bulb (°F) | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 |
| | Indoor wet bulb (°F) | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 |
| 55 | Total capacity | 16.5 | 17.9 | 17.9 | 19.4 | 21.0 | 18.4 | 19.2 | 19.2 | 20.9 | 22.5 | 19.6 | 20.1 | 20.0 | 22.0 | 23.9 |
| 55 | Sensible capacity | 16.4 | 14.6 | 12.5 | 12.2 | 9.7 | 18.3 | 17.3 | 14.5 | 14.1 | 11.0 | 19.5 | 19.4 | 16.3 | 15.9 | 12.4 |
| 55 | kW | 0.99 | 0.97 | 0.97 | 0.95 | 0.92 | 1.03 | 1.02 | 1.02 | 1.00 | 0.98 | 1.07 | 1.07 | 1.07 | 1.05 | 1.03 |
| 65 | Total capacity | 17.6 | 16.1 | 17.6 | 19.3 | 21.2 | 18.4 | 17.5 | 18.5 | 20.3 | 22.3 | 18.9 | 18.6 | 19.0 | 20.9 | 22.9 |
| 65 | Sensible capacity | 12.5 | 16.1 | 14.6 | 12.5 | 10.4 | 14.0 | 17.5 | 16.6 | 14.0 | 11.3 | 15.2 | 18.5 | 18.2 | 15.2 | 12.1 |
| 65 | kW | 1.09 | 1.10 | 1.09 | 1.07 | 1.05 | 1.15 | 1.15 | 1.15 | 1.12 | 1.10 | 1.21 | 1.22 | 1.21 | 1.18 | 1.16 |
| 75 | Total capacity | 16.9 | 15.7 | 16.9 | 18.6 | 20.5 | 17.7 | 17.0 | 17.7 | 19.5 | 21.4 | 18.1 | 18.0 | 18.1 | 20.0 | 22.0 |
| 75 | Sensible capacity | 12.3 | 15.6 | 14.4 | 12.3 | 10.2 | 13.8 | 17.0 | 16.4 | 13.8 | 11.1 | 15.0 | 17.9 | 17.9 | 15.0 | 11.8 |
| 75 | kW | 1.22 | 1.22 | 1.22 | 1.21 | 1.18 | 1.28 | 1.28 | 1.27 | 1.26 | 1.25 | 1.34 | 1.34 | 1.34 | 1.32 | 1.31 |
| 85 | Total capacity | 16.2 | 15.1 | 16.2 | 17.9 | 19.7 | 16.9 | 16.5 | 16.9 | 18.6 | 20.5 | 17.3 | 17.3 | 17.4 | 19.0 | 20.9 |
| 85 | Sensible capacity | 12.0 | 15.1 | 14.1 | 12.0 | 9.9 | 13.4 | 16.4 | 16.1 | 13.5 | 10.8 | 14.7 | 17.3 | 17.3 | 14.7 | 11.5 |
| 85 | kW | 1.34 | 1.34 | 1.34 | 1.33 | 1.33 | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.48 | 1.48 | 1.48 | 1.46 | 1.45 |
| 95 | Total capacity | 15.5 | 14.6 | 15.5 | 17.1 | 18.9 | 16.1 | 15.8 | 16.2 | 17.8 | 19.6 | 16.4 | 16.6 | 16.7 | 18.2 | 20.0 |
| 95 | Sensible capacity | 11.6 | 14.5 | 13.7 | 11.7 | 9.6 | 13.0 | 15.8 | 15.6 | 13.1 | 10.5 | 14.2 | 16.6 | 16.6 | 14.3 | 11.2 |
| 95 | kW | 1.48 | 1.46 | 1.48 | 1.48 | 1.49 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |
| 105 | Total capacity | 14.8 | 14.1 | 14.8 | 16.3 | 18.0 | 15.3 | 15.2 | 15.3 | 17.0 | 18.7 | 15.6 | 16.0 | 16.0 | 17.3 | 19.1 |
| 105 | Sensible capacity | 11.3 | 14.0 | 13.4 | 11.4 | 9.3 | 12.7 | 15.2 | 15.1 | 12.8 | 10.2 | 13.9 | 16.0 | 16.0 | 14.0 | 10.9 |
| 105 | kW | 1.62 | 1.61 | 1.62 | 1.63 | 1.64 | 1.69 | 1.69 | 1.69 | 1.70 | 1.71 | 1.77 | 1.77 | 1.77 | 1.78 | 1.79 |
| 115 | Total capacity | 13.6 | 13.2 | 13.7 | 15.0 | 16.4 | 14.4 | 14.5 | 14.6 | 16.0 | 17.6 | 15.0 | 15.4 | 15.7 | 16.7 | 18.7 |
| 115 | Sensible capacity | 10.8 | 13.2 | 12.9 | 10.5 | 8.2 | 12.5 | 14.4 | 14.6 | 12.4 | 9.5 | 14.1 | 15.4 | 15.6 | 14.3 | 11.0 |
| 115 | kW | 1.78 | 1.77 | 1.78 | 1.80 | 1.81 | 1.85 | 1.85 | 1.85 | 1.87 | 1.89 | 1.92 | 1.93 | 1.93 | 1.94 | 1.96 |

Performance data - 2 ton

See the following tables for performance data for the RC324E2S11 unit.

Cooling performance data - 2 ton

Table 9: Cooling performance data - 2 ton

| Air temperature entering outdoor unit (°F) | Indoor CFM | 600 | | | | | 800 | | | | | 1000 | | | | |
|--|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Indoor dry bulb (°F) | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 |
| | Indoor wet bulb (°F) | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 |
| 55 | Total capacity | 21.7 | 23.4 | 23.4 | 25.3 | 27.4 | 24.1 | 24.6 | 24.7 | 26.6 | 28.7 | 25.5 | 25.1 | 25.1 | 27.0 | 29.0 |
| 55 | Sensible capacity | 21.7 | 19.1 | 16.3 | 15.9 | 12.7 | 24.1 | 22.3 | 18.7 | 18.1 | 13.8 | 25.4 | 24.9 | 20.7 | 20.0 | 14.7 |
| 55 | kW | 1.28 | 1.25 | 1.26 | 1.22 | 1.19 | 1.33 | 1.32 | 1.32 | 1.28 | 1.24 | 1.39 | 1.39 | 1.39 | 1.35 | 1.31 |
| 65 | Total capacity | 22.6 | 21.1 | 22.7 | 24.8 | 27.3 | 23.6 | 22.8 | 23.6 | 25.9 | 28.5 | 24.2 | 24.1 | 24.1 | 26.6 | 29.2 |
| 65 | Sensible capacity | 16.2 | 21.0 | 19.1 | 16.1 | 13.1 | 18.2 | 22.8 | 21.8 | 18.1 | 14.4 | 19.9 | 24.1 | 24.0 | 19.8 | 15.4 |
| 65 | kW | 1.41 | 1.42 | 1.41 | 1.38 | 1.35 | 1.48 | 1.49 | 1.48 | 1.45 | 1.42 | 1.56 | 1.56 | 1.56 | 1.53 | 1.50 |
| 75 | Total capacity | 21.9 | 20.6 | 21.9 | 24.0 | 26.4 | 22.8 | 22.3 | 22.8 | 25.1 | 27.5 | 23.2 | 23.5 | 23.5 | 25.7 | 28.2 |
| 75 | Sensible capacity | 16.0 | 20.5 | 18.9 | 16.0 | 13.0 | 18.0 | 22.3 | 21.5 | 18.0 | 14.2 | 19.7 | 23.4 | 23.4 | 19.8 | 15.3 |
| 75 | kW | 1.56 | 1.57 | 1.56 | 1.55 | 1.53 | 1.65 | 1.65 | 1.64 | 1.63 | 1.61 | 1.74 | 1.73 | 1.73 | 1.72 | 1.70 |
| 85 | Total capacity | 21.0 | 20.0 | 21.0 | 23.1 | 25.4 | 21.8 | 21.6 | 21.9 | 24.0 | 26.4 | 22.1 | 22.7 | 22.7 | 24.6 | 26.9 |
| 85 | Sensible capacity | 15.7 | 19.9 | 18.6 | 15.7 | 12.7 | 17.7 | 21.6 | 21.2 | 17.8 | 14.0 | 19.4 | 22.7 | 22.7 | 19.5 | 15.0 |
| 85 | kW | 1.74 | 1.73 | 1.74 | 1.73 | 1.72 | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.91 | 1.91 | 1.91 | 1.90 | 1.89 |
| 95 | Total capacity | 20.1 | 19.3 | 20.1 | 22.2 | 24.4 | 20.8 | 20.9 | 20.9 | 23.0 | 25.3 | 21.2 | 21.9 | 21.9 | 23.4 | 25.8 |
| 95 | Sensible capacity | 15.3 | 19.2 | 18.1 | 15.3 | 12.3 | 17.3 | 20.8 | 20.8 | 17.4 | 13.6 | 19.0 | 21.9 | 21.9 | 19.1 | 14.6 |
| 95 | kW | 1.91 | 1.90 | 1.91 | 1.91 | 1.91 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 |
| 105 | Total capacity | 19.0 | 18.3 | 19.0 | 20.9 | 23.0 | 19.6 | 19.8 | 19.8 | 21.6 | 23.8 | 19.9 | 20.8 | 20.8 | 21.9 | 24.2 |
| 105 | Sensible capacity | 14.6 | 18.3 | 17.5 | 14.6 | 11.4 | 16.6 | 19.8 | 19.8 | 16.6 | 12.7 | 18.4 | 20.8 | 20.8 | 18.4 | 13.8 |
| 105 | kW | 2.08 | 2.07 | 2.08 | 2.09 | 2.10 | 2.17 | 2.17 | 2.17 | 2.19 | 2.20 | 2.27 | 2.27 | 2.27 | 2.28 | 2.29 |
| 115 | Total capacity | 18.0 | 17.9 | 17.9 | 19.3 | 20.7 | 18.8 | 19.5 | 19.1 | 20.0 | 21.2 | 19.2 | 20.8 | 20.3 | 20.2 | 20.7 |
| 115 | Sensible capacity | 13.9 | 17.8 | 16.8 | 13.4 | 9.8 | 16.3 | 19.5 | 19.1 | 15.8 | 11.1 | 18.5 | 20.8 | 20.3 | 17.9 | 12.0 |
| 115 | kW | 2.25 | 2.24 | 2.25 | 2.28 | 2.31 | 2.36 | 2.36 | 2.37 | 2.39 | 2.42 | 2.46 | 2.46 | 2.47 | 2.49 | 2.51 |

Performance data - 2.5 ton

See the following tables for performance data for the RC330E2S11 unit.

Cooling performance data - 2.5 ton

Table 10: Cooling performance data - 2.5 ton

| Air temperature entering outdoor unit (°F) | Indoor CFM | 800 | | | | | 1000 | | | | | 1200 | | | | |
|--|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Indoor dry bulb (°F) | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 |
| | Indoor wet bulb (°F) | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 |
| 55 | Total capacity | 26.8 | 28.9 | 28.8 | 31.4 | 34.2 | 28.5 | 29.5 | 29.5 | 31.9 | 34.2 | 29.7 | 29.8 | 29.8 | 32.1 | 34.0 |
| 55 | Sensible capacity | 26.6 | 24.2 | 20.5 | 19.8 | 15.9 | 28.3 | 26.6 | 22.1 | 21.1 | 15.8 | 29.5 | 28.4 | 23.5 | 22.2 | 15.8 |
| 55 | kW | 1.57 | 1.55 | 1.56 | 1.54 | 1.52 | 1.64 | 1.62 | 1.63 | 1.61 | 1.61 | 1.71 | 1.70 | 1.70 | 1.69 | 1.69 |
| 65 | Total capacity | 27.9 | 25.7 | 27.9 | 30.5 | 33.3 | 28.7 | 27.5 | 28.8 | 31.4 | 34.2 | 29.3 | 28.6 | 29.3 | 32.1 | 34.8 |
| 65 | Sensible capacity | 19.6 | 25.5 | 23.3 | 19.5 | 15.7 | 21.3 | 27.3 | 25.5 | 21.2 | 16.7 | 22.7 | 28.5 | 27.5 | 22.6 | 17.5 |
| 65 | kW | 1.72 | 1.72 | 1.72 | 1.73 | 1.74 | 1.81 | 1.81 | 1.81 | 1.82 | 1.83 | 1.90 | 1.90 | 1.90 | 1.91 | 1.92 |
| 75 | Total capacity | 27.3 | 25.4 | 27.3 | 29.8 | 32.6 | 28.1 | 27.0 | 28.1 | 30.8 | 33.5 | 28.6 | 28.2 | 28.5 | 31.3 | 34.0 |
| 75 | Sensible capacity | 19.6 | 25.2 | 23.2 | 19.5 | 15.7 | 21.3 | 26.8 | 25.5 | 21.2 | 16.7 | 22.7 | 28.0 | 27.4 | 22.6 | 17.5 |
| 75 | kW | 1.93 | 1.92 | 1.93 | 1.94 | 1.95 | 2.02 | 2.02 | 2.02 | 2.03 | 2.05 | 2.11 | 2.11 | 2.11 | 2.13 | 2.14 |
| 85 | Total capacity | 26.5 | 24.9 | 26.5 | 29.0 | 31.8 | 27.2 | 26.4 | 27.2 | 29.9 | 32.6 | 27.7 | 27.5 | 27.5 | 30.4 | 33.1 |
| 85 | Sensible capacity | 19.4 | 24.7 | 23.0 | 19.4 | 15.6 | 21.1 | 26.2 | 25.3 | 21.1 | 16.6 | 22.5 | 27.3 | 27.3 | 22.5 | 17.4 |
| 85 | kW | 2.15 | 2.14 | 2.15 | 2.16 | 2.18 | 2.24 | 2.24 | 2.24 | 2.26 | 2.28 | 2.34 | 2.33 | 2.33 | 2.35 | 2.37 |
| 95 | Total capacity | 25.5 | 24.2 | 25.5 | 27.9 | 30.7 | 26.2 | 25.6 | 26.1 | 28.8 | 31.5 | 26.6 | 26.6 | 26.6 | 29.2 | 32.0 |
| 95 | Sensible capacity | 19.1 | 24.0 | 22.6 | 18.9 | 15.2 | 20.8 | 25.5 | 24.8 | 20.7 | 16.3 | 22.3 | 26.5 | 26.5 | 22.2 | 17.1 |
| 95 | kW | 2.38 | 2.37 | 2.38 | 2.40 | 2.42 | 2.48 | 2.47 | 2.48 | 2.50 | 2.52 | 2.57 | 2.57 | 2.57 | 2.59 | 2.61 |
| 105 | Total capacity | 23.9 | 23.1 | 23.8 | 26.3 | 28.9 | 24.5 | 24.4 | 24.4 | 27.0 | 29.6 | 24.8 | 25.3 | 25.3 | 27.4 | 30.0 |
| 105 | Sensible capacity | 18.4 | 22.9 | 21.9 | 18.3 | 14.4 | 20.2 | 24.2 | 24.2 | 20.1 | 15.5 | 21.7 | 25.2 | 25.2 | 21.7 | 16.4 |
| 105 | kW | 2.64 | 2.63 | 2.63 | 2.66 | 2.69 | 2.73 | 2.73 | 2.73 | 2.76 | 2.78 | 2.82 | 2.83 | 2.83 | 2.85 | 2.89 |
| 115 | Total capacity | 22.1 | 21.9 | 22.1 | 24.3 | 26.6 | 22.7 | 23.2 | 23.1 | 25.0 | 27.5 | 23.1 | 24.2 | 24.2 | 25.6 | 28.0 |
| 115 | Sensible capacity | 17.7 | 21.8 | 21.6 | 17.4 | 13.2 | 19.8 | 23.1 | 23.0 | 19.3 | 14.5 | 21.4 | 24.0 | 24.0 | 21.2 | 15.5 |
| 115 | kW | 2.95 | 2.96 | 2.95 | 2.97 | 2.99 | 3.04 | 3.05 | 3.05 | 3.07 | 3.10 | 3.13 | 3.13 | 3.14 | 3.17 | 3.22 |

Performance data - 3 ton

See the following tables for performance data for the RC336E2S11 unit.

Cooling performance data - 3 ton

Table 11: Cooling performance data - 3 ton

| Air temperature entering outdoor unit (°F) | Indoor CFM | 1000 | | | | | 1200 | | | | | 1400 | | | | |
|--|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Indoor dry bulb (°F) | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 |
| | Indoor wet bulb (°F) | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 |
| 55 | Total capacity | 32.9 | 35.3 | 35.2 | 38.4 | 41.1 | 34.6 | 36.3 | 36.3 | 39.7 | 42.4 | 35.8 | 37.0 | 37.1 | 40.6 | 43.4 |
| 55 | Sensible capacity | 32.5 | 29.8 | 25.3 | 24.7 | 19.6 | 34.1 | 32.6 | 27.2 | 26.6 | 20.7 | 35.3 | 34.9 | 28.9 | 28.1 | 21.7 |
| 55 | kW | 1.94 | 1.95 | 1.95 | 1.95 | 1.96 | 2.03 | 2.04 | 2.04 | 2.04 | 2.05 | 2.12 | 2.13 | 2.14 | 2.14 | 2.15 |
| 65 | Total capacity | 34.5 | 32.3 | 34.6 | 37.6 | 40.9 | 35.4 | 33.9 | 35.3 | 38.5 | 41.7 | 35.9 | 35.1 | 35.8 | 39.1 | 42.4 |
| 65 | Sensible capacity | 24.8 | 31.8 | 29.2 | 24.7 | 20.2 | 26.5 | 33.4 | 31.7 | 26.3 | 21.2 | 28.0 | 34.6 | 33.7 | 27.8 | 22.0 |
| 65 | kW | 2.22 | 2.23 | 2.22 | 2.20 | 2.17 | 2.30 | 2.30 | 2.30 | 2.28 | 2.27 | 2.38 | 2.38 | 2.38 | 2.37 | 2.35 |
| 75 | Total capacity | 33.2 | 31.4 | 33.2 | 36.2 | 39.5 | 34.0 | 32.9 | 33.9 | 37.0 | 40.3 | 34.5 | 34.1 | 34.4 | 37.6 | 40.8 |
| 75 | Sensible capacity | 24.4 | 31.0 | 28.9 | 24.3 | 19.7 | 26.1 | 32.5 | 31.3 | 26.0 | 20.8 | 27.6 | 33.7 | 33.3 | 27.6 | 21.6 |
| 75 | kW | 2.41 | 2.42 | 2.41 | 2.41 | 2.40 | 2.50 | 2.50 | 2.50 | 2.49 | 2.48 | 2.59 | 2.58 | 2.58 | 2.58 | 2.57 |
| 85 | Total capacity | 31.7 | 30.3 | 31.7 | 34.7 | 37.9 | 32.4 | 31.8 | 32.3 | 35.5 | 38.6 | 32.9 | 32.9 | 32.9 | 36.0 | 39.0 |
| 85 | Sensible capacity | 23.8 | 29.9 | 28.4 | 23.8 | 19.2 | 25.6 | 31.4 | 30.8 | 25.5 | 20.2 | 27.2 | 32.4 | 32.5 | 27.1 | 21.1 |
| 85 | kW | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.73 | 2.73 | 2.73 | 2.73 | 2.72 | 2.82 | 2.81 | 2.81 | 2.81 | 2.81 |
| 95 | Total capacity | 30.3 | 29.2 | 30.3 | 33.3 | 36.4 | 31.0 | 30.6 | 30.9 | 34.0 | 37.0 | 31.3 | 31.6 | 31.7 | 34.4 | 37.3 |
| 95 | Sensible capacity | 23.1 | 28.8 | 27.8 | 23.1 | 18.6 | 24.9 | 30.2 | 29.8 | 24.9 | 19.5 | 26.5 | 31.2 | 31.2 | 26.4 | 20.4 |
| 95 | kW | 2.93 | 2.93 | 2.93 | 2.94 | 2.94 | 3.02 | 3.02 | 3.02 | 3.02 | 3.03 | 3.11 | 3.11 | 3.11 | 3.11 | 3.12 |
| 105 | Total capacity | 28.7 | 27.9 | 28.7 | 31.6 | 34.5 | 29.3 | 29.2 | 29.3 | 32.2 | 35.0 | 29.7 | 30.2 | 30.2 | 32.5 | 35.4 |
| 105 | Sensible capacity | 22.4 | 27.5 | 26.9 | 22.4 | 17.9 | 24.2 | 28.8 | 28.9 | 24.0 | 18.8 | 25.7 | 29.8 | 29.8 | 25.6 | 19.7 |
| 105 | kW | 3.29 | 3.29 | 3.29 | 3.30 | 3.31 | 3.38 | 3.38 | 3.38 | 3.39 | 3.40 | 3.47 | 3.47 | 3.47 | 3.48 | 3.49 |
| 115 | Total capacity | 26.6 | 26.6 | 26.6 | 29.1 | 31.1 | 27.3 | 27.8 | 27.9 | 30.1 | 32.5 | 27.7 | 28.6 | 29.0 | 30.9 | 33.7 |
| 115 | Sensible capacity | 22.1 | 26.2 | 26.2 | 21.2 | 15.6 | 24.0 | 27.4 | 27.5 | 23.2 | 17.2 | 25.5 | 28.2 | 28.6 | 25.0 | 18.6 |
| 115 | kW | 3.73 | 3.74 | 3.74 | 3.76 | 3.78 | 3.80 | 3.80 | 3.81 | 3.83 | 3.86 | 3.87 | 3.86 | 3.88 | 3.90 | 3.94 |

Performance data - 3.5 ton

See the following tables for performance data for the RC342E2S11 unit.

Cooling performance data - 3.5 ton

Table 12: Cooling performance data - 3.5 ton

| Air temperature entering outdoor unit (°F) | Indoor CFM | 1200 | | | | | 1400 | | | | | 1600 | | | | |
|--|----------------------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | Indoor dry bulb (°F) | | | | | | | | | | | | | | |
| | | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 |
| | Indoor wet bulb (°F) | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 |
| 55 | Total capacity | 41.3 | 42.8 | 42.8 | 44.2 | 45.3 | 43.1 | 43.8 | 43.8 | 45.6 | 46.1 | 44.6 | 44.3 | 44.4 | 46.7 | 46.7 |
| 55 | Sensible capacity | 42.6 | 37.9 | 32.4 | 30.3 | 22.5 | 44.5 | 40.5 | 34.3 | 32.4 | 23.4 | 46.1 | 42.9 | 35.8 | 34.1 | 24.3 |
| 55 | kW | 2.24 | 2.21 | 2.22 | 2.17 | 2.16 | 2.32 | 2.30 | 2.30 | 2.27 | 2.25 | 2.41 | 2.39 | 2.40 | 2.38 | 2.35 |
| 65 | Total capacity | 39.9 | 37.5 | 40.0 | 43.9 | 47.9 | 40.9 | 39.2 | 40.9 | 44.8 | 48.8 | 41.5 | 40.5 | 41.3 | 45.4 | 49.4 |
| 65 | Sensible capacity | 30.4 | 38.7 | 36.0 | 30.4 | 24.7 | 32.3 | 40.4 | 38.7 | 32.2 | 25.8 | 33.9 | 41.8 | 41.0 | 33.8 | 26.7 |
| 65 | kW | 2.58 | 2.60 | 2.58 | 2.54 | 2.49 | 2.68 | 2.69 | 2.67 | 2.63 | 2.57 | 2.77 | 2.77 | 2.76 | 2.72 | 2.67 |
| 75 | Total capacity | 38.7 | 36.6 | 38.8 | 42.6 | 46.5 | 39.6 | 38.2 | 39.5 | 43.4 | 47.3 | 40.2 | 39.5 | 39.9 | 43.9 | 47.8 |
| 75 | Sensible capacity | 30.0 | 37.8 | 35.9 | 30.1 | 24.2 | 32.0 | 39.5 | 38.4 | 31.9 | 25.3 | 33.7 | 40.8 | 40.4 | 33.5 | 26.2 |
| 75 | kW | 2.88 | 2.89 | 2.87 | 2.83 | 2.78 | 2.97 | 2.98 | 2.97 | 2.93 | 2.87 | 3.06 | 3.07 | 3.06 | 3.01 | 2.96 |
| 85 | Total capacity | 37.3 | 35.5 | 37.2 | 41.0 | 44.8 | 38.1 | 37.1 | 37.7 | 41.7 | 45.4 | 38.6 | 38.3 | 38.4 | 42.2 | 45.9 |
| 85 | Sensible capacity | 29.4 | 36.6 | 35.2 | 29.4 | 23.6 | 31.4 | 38.3 | 37.6 | 31.3 | 24.6 | 33.2 | 39.6 | 39.6 | 33.0 | 25.6 |
| 85 | kW | 3.16 | 3.17 | 3.15 | 3.12 | 3.08 | 3.26 | 3.27 | 3.26 | 3.21 | 3.16 | 3.35 | 3.35 | 3.35 | 3.31 | 3.26 |
| 95 | Total capacity | 35.7 | 34.3 | 35.7 | 39.3 | 43.0 | 36.4 | 35.8 | 36.1 | 40.0 | 43.7 | 36.7 | 36.8 | 36.9 | 40.4 | 44.1 |
| 95 | Sensible capacity | 28.6 | 35.4 | 34.4 | 28.6 | 22.9 | 30.6 | 36.9 | 36.5 | 30.5 | 23.9 | 32.3 | 38.0 | 38.1 | 32.3 | 24.9 |
| 95 | kW | 3.50 | 3.50 | 3.49 | 3.47 | 3.43 | 3.60 | 3.60 | 3.60 | 3.56 | 3.51 | 3.69 | 3.69 | 3.69 | 3.65 | 3.61 |
| 105 | Total capacity | 33.8 | 32.9 | 33.6 | 37.3 | 40.9 | 34.4 | 34.2 | 34.3 | 37.8 | 41.4 | 34.7 | 35.3 | 35.3 | 38.2 | 41.7 |
| 105 | Sensible capacity | 28.0 | 33.9 | 33.3 | 27.9 | 22.1 | 30.0 | 35.3 | 35.4 | 29.8 | 23.1 | 31.6 | 36.5 | 36.5 | 31.5 | 24.1 |
| 105 | kW | 3.84 | 3.84 | 3.84 | 3.82 | 3.79 | 3.94 | 3.94 | 3.94 | 3.92 | 3.88 | 4.03 | 4.03 | 4.03 | 4.01 | 3.97 |
| 115 | Total capacity | 32.3 | 32.3 | 31.9 | 34.7 | 36.6 | 33.1 | 34.0 | 33.4 | 35.7 | 38.0 | 33.6 | 35.3 | 34.7 | 36.4 | 39.1 |
| 115 | Sensible capacity | 27.6 | 33.4 | 32.7 | 27.0 | 20.1 | 30.2 | 35.1 | 34.5 | 29.2 | 21.6 | 32.1 | 36.4 | 35.8 | 31.1 | 22.7 |
| 115 | kW | 4.20 | 4.18 | 4.21 | 4.21 | 4.23 | 4.30 | 4.29 | 4.31 | 4.31 | 4.32 | 4.41 | 4.40 | 4.42 | 4.42 | 4.42 |

Performance data - 4 ton

See the following tables for performance data for the RC348E2S11 unit.

Cooling performance data - 4 ton

Table 13: Cooling performance data - 4 ton

| Air temperature entering outdoor unit (°F) | Indoor CFM | 1350 | | | | | 1550 | | | | | 1750 | | | | |
|--|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Indoor dry bulb (°F) | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 |
| | Indoor wet bulb (°F) | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 |
| 55 | Total capacity | 45.7 | 48.0 | 47.8 | 51.0 | 54.1 | 47.3 | 49.0 | 48.8 | 52.3 | 55.2 | 48.6 | 49.7 | 49.5 | 53.0 | 56.0 |
| 55 | Sensible capacity | 46.2 | 41.0 | 34.6 | 33.1 | 25.1 | 47.9 | 43.7 | 36.5 | 35.2 | 26.6 | 49.3 | 46.1 | 38.2 | 37.1 | 28.0 |
| 55 | kW | 2.69 | 2.70 | 2.70 | 2.71 | 2.72 | 2.78 | 2.79 | 2.79 | 2.80 | 2.82 | 2.87 | 2.88 | 2.88 | 2.90 | 2.91 |
| 65 | Total capacity | 46.2 | 43.5 | 46.5 | 50.5 | 54.7 | 47.2 | 45.3 | 47.3 | 51.4 | 55.7 | 47.8 | 46.6 | 47.9 | 52.1 | 56.4 |
| 65 | Sensible capacity | 33.8 | 44.1 | 40.2 | 33.6 | 26.8 | 35.7 | 45.9 | 42.9 | 35.4 | 27.9 | 37.3 | 47.2 | 45.1 | 37.0 | 28.8 |
| 65 | kW | 2.97 | 2.97 | 2.97 | 2.98 | 2.99 | 3.06 | 3.06 | 3.06 | 3.07 | 3.08 | 3.15 | 3.15 | 3.15 | 3.16 | 3.17 |
| 75 | Total capacity | 45.4 | 43.0 | 45.6 | 49.7 | 53.9 | 46.3 | 44.7 | 46.3 | 50.5 | 54.7 | 46.8 | 46.0 | 46.9 | 51.1 | 55.4 |
| 75 | Sensible capacity | 33.8 | 43.5 | 40.3 | 33.6 | 26.8 | 35.6 | 45.2 | 42.7 | 35.3 | 27.9 | 37.4 | 46.6 | 45.1 | 37.1 | 28.9 |
| 75 | kW | 3.29 | 3.28 | 3.29 | 3.30 | 3.31 | 3.38 | 3.37 | 3.38 | 3.39 | 3.40 | 3.47 | 3.47 | 3.47 | 3.48 | 3.49 |
| 85 | Total capacity | 44.3 | 42.1 | 44.2 | 48.3 | 52.6 | 45.0 | 43.6 | 45.0 | 49.2 | 53.4 | 45.4 | 44.9 | 45.4 | 49.7 | 53.9 |
| 85 | Sensible capacity | 33.5 | 42.6 | 39.9 | 33.3 | 26.5 | 35.3 | 44.2 | 42.3 | 35.1 | 27.6 | 36.9 | 45.5 | 44.5 | 36.8 | 28.6 |
| 85 | kW | 3.65 | 3.64 | 3.64 | 3.66 | 3.67 | 3.74 | 3.73 | 3.73 | 3.75 | 3.76 | 3.83 | 3.82 | 3.83 | 3.84 | 3.85 |
| 95 | Total capacity | 42.3 | 40.5 | 42.3 | 46.3 | 50.5 | 43.0 | 42.0 | 43.0 | 47.0 | 51.2 | 43.5 | 43.2 | 43.4 | 47.7 | 51.8 |
| 95 | Sensible capacity | 32.5 | 41.0 | 38.8 | 32.3 | 25.6 | 34.2 | 42.6 | 41.3 | 34.1 | 26.7 | 35.9 | 43.8 | 43.5 | 35.8 | 27.7 |
| 95 | kW | 4.07 | 4.07 | 4.07 | 4.09 | 4.10 | 4.16 | 4.16 | 4.16 | 4.18 | 4.19 | 4.25 | 4.25 | 4.25 | 4.27 | 4.28 |
| 105 | Total capacity | 40.1 | 38.8 | 40.0 | 43.9 | 47.9 | 40.6 | 40.2 | 40.4 | 44.6 | 48.6 | 41.0 | 41.3 | 41.4 | 45.0 | 49.0 |
| 105 | Sensible capacity | 31.6 | 39.3 | 37.9 | 31.4 | 24.7 | 33.4 | 40.7 | 40.3 | 33.2 | 25.8 | 35.1 | 41.9 | 41.9 | 35.0 | 26.8 |
| 105 | kW | 4.57 | 4.57 | 4.57 | 4.59 | 4.61 | 4.67 | 4.67 | 4.67 | 4.68 | 4.71 | 4.76 | 4.77 | 4.77 | 4.78 | 4.80 |
| 115 | Total capacity | 37.0 | 36.0 | 36.9 | 40.8 | 44.9 | 37.7 | 37.2 | 37.8 | 41.7 | 46.0 | 38.0 | 38.2 | 39.0 | 42.4 | 46.7 |
| 115 | Sensible capacity | 29.8 | 36.4 | 35.9 | 29.8 | 23.0 | 32.0 | 37.7 | 38.3 | 32.3 | 25.0 | 33.9 | 38.7 | 39.5 | 34.8 | 26.8 |
| 115 | kW | 5.23 | 5.26 | 5.23 | 5.22 | 5.20 | 5.30 | 5.32 | 5.31 | 5.30 | 5.29 | 5.40 | 5.39 | 5.40 | 5.37 | 5.37 |

Performance data - 5 ton

See the following tables for performance data for the RC360E2S11 unit.

Cooling performance data - 5 ton

Table 14: Cooling performance data - 5 ton

| Air temperature entering outdoor unit (°F) | Indoor CFM | 1525 | | | | | 1725 | | | | | 1925 | | | | |
|--|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Indoor dry bulb (°F) | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 | 80 | 80 | 75 | 80 | 80 |
| | Indoor wet bulb (°F) | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 | 57 | 62 | 62 | 67 | 72 |
| 55 | Total capacity | 50.9 | 55.5 | 55.1 | 59.9 | 64.5 | 53.0 | 56.5 | 56.1 | 60.5 | 64.2 | 54.5 | 57.1 | 56.6 | 60.2 | 63.6 |
| 55 | Sensible capacity | 51.1 | 45.3 | 38.7 | 38.3 | 31.2 | 53.2 | 47.6 | 40.3 | 39.7 | 31.4 | 54.7 | 49.7 | 41.7 | 40.7 | 31.3 |
| 55 | kW | 3.25 | 3.26 | 3.27 | 3.28 | 3.29 | 3.34 | 3.36 | 3.36 | 3.37 | 3.39 | 3.43 | 3.44 | 3.45 | 3.46 | 3.48 |
| 65 | Total capacity | 54.0 | 50.3 | 54.3 | 59.0 | 64.0 | 55.0 | 52.0 | 55.4 | 60.1 | 65.1 | 55.8 | 53.4 | 56.2 | 61.0 | 65.9 |
| 65 | Sensible capacity | 38.5 | 50.5 | 45.2 | 38.4 | 31.4 | 40.1 | 52.2 | 47.5 | 40.0 | 32.4 | 41.6 | 53.6 | 49.6 | 41.4 | 33.2 |
| 65 | kW | 3.57 | 3.55 | 3.56 | 3.58 | 3.58 | 3.66 | 3.64 | 3.65 | 3.67 | 3.67 | 3.76 | 3.75 | 3.75 | 3.77 | 3.77 |
| 75 | Total capacity | 53.4 | 49.8 | 53.6 | 58.4 | 63.5 | 54.4 | 51.5 | 54.7 | 59.5 | 64.5 | 55.2 | 52.9 | 55.4 | 60.3 | 65.4 |
| 75 | Sensible capacity | 38.5 | 50.0 | 45.2 | 38.4 | 31.5 | 40.1 | 51.7 | 47.5 | 40.1 | 32.5 | 41.7 | 53.1 | 49.7 | 41.6 | 33.4 |
| 75 | kW | 3.92 | 3.91 | 3.92 | 3.94 | 3.95 | 4.02 | 4.00 | 4.01 | 4.03 | 4.04 | 4.12 | 4.10 | 4.11 | 4.13 | 4.14 |
| 85 | Total capacity | 52.2 | 49.0 | 52.4 | 57.3 | 62.3 | 53.2 | 50.6 | 53.4 | 58.2 | 63.3 | 54.0 | 52.0 | 54.0 | 59.0 | 64.1 |
| 85 | Sensible capacity | 38.1 | 49.2 | 44.8 | 38.2 | 31.2 | 39.8 | 50.8 | 47.2 | 39.8 | 32.2 | 41.4 | 52.2 | 49.4 | 41.3 | 33.1 |
| 85 | kW | 4.35 | 4.33 | 4.35 | 4.36 | 4.38 | 4.44 | 4.43 | 4.44 | 4.46 | 4.47 | 4.55 | 4.53 | 4.54 | 4.56 | 4.57 |
| 95 | Total capacity | 50.2 | 47.5 | 50.4 | 55.2 | 60.1 | 51.1 | 49.0 | 51.2 | 56.0 | 61.0 | 51.8 | 50.3 | 51.9 | 56.7 | 61.7 |
| 95 | Sensible capacity | 37.2 | 47.6 | 44.0 | 37.3 | 30.3 | 38.9 | 49.2 | 46.4 | 38.9 | 31.3 | 40.5 | 50.5 | 48.5 | 40.4 | 32.2 |
| 95 | kW | 4.86 | 4.84 | 4.85 | 4.89 | 4.90 | 4.96 | 4.94 | 4.96 | 4.98 | 4.99 | 5.05 | 5.04 | 5.05 | 5.07 | 5.08 |
| 105 | Total capacity | 47.3 | 45.6 | 47.5 | 51.9 | 56.6 | 48.0 | 47.1 | 48.1 | 52.6 | 57.5 | 48.5 | 48.3 | 48.7 | 53.2 | 58.0 |
| 105 | Sensible capacity | 36.4 | 45.8 | 43.3 | 36.4 | 29.1 | 38.2 | 47.3 | 45.9 | 38.2 | 30.2 | 39.8 | 48.5 | 48.0 | 39.8 | 31.2 |
| 105 | kW | 5.42 | 5.40 | 5.42 | 5.45 | 5.47 | 5.52 | 5.50 | 5.51 | 5.54 | 5.56 | 5.61 | 5.60 | 5.60 | 5.63 | 5.66 |
| 115 | Total capacity | 43.9 | 42.8 | 44.1 | 47.9 | 52.3 | 44.6 | 44.1 | 44.7 | 48.6 | 53.2 | 45.1 | 45.2 | 45.7 | 49.2 | 53.7 |
| 115 | Sensible capacity | 34.8 | 43.0 | 41.7 | 34.8 | 27.3 | 36.7 | 44.3 | 44.4 | 36.9 | 28.8 | 38.7 | 45.4 | 45.9 | 39.0 | 30.1 |
| 115 | kW | 6.12 | 6.09 | 6.09 | 6.11 | 6.09 | 6.21 | 6.17 | 6.17 | 6.21 | 6.23 | 6.29 | 6.23 | 6.26 | 6.32 | 6.44 |

