

:: WELCOME TO THE REBIRTH OF COOL

The all-new Ruud® Commercial Renaissance™ Line



**7.5–12.5 Ton Package Air Conditioners**

(RACDZT, RACDZS, RACDZR)

**7.5–12.5 Ton Package Gas Electric Units**

(RGEDZT, RGEDZS, RGEDZR)

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COMMERCIAL CUSTOMER GUIDE

# renaissance™

COMMERCIAL 7.5–12.5 TON HVAC LINE

*A revival of innovation and performance in commercial HVAC.*



SOME MASTERPIECES ARE  
MADE FROM PAINT OR STONE.  
**OURS, FROM METAL.**

## INTRODUCING THE RUUD® COMMERCIAL 7.5–12.5 TON RENAISSANCE LINE—

the result of years of research and development, creative engineering and innovation. Made with smart new features, exclusive PlusOne® advantages, all delivered with world-renowned performance and reliability, the Renaissance Line is a signature piece in the growing portfolio of industry-leading, Ruud commercial HVAC solutions.

## TIER COMPARISON

Models	Single-Stage Cooling	Two-Stage Cooling	VFD Technology	HumidiDry™
<b>Commercial Ultra™ Series</b> (RACDZT, RGEDZT)		✓	✓	Option
<b>Commercial Achiever Plus® Series</b> (RACDZS, RGEDZS)		✓	Option	Option
<b>Commercial Achiever® Series</b> (RACDZR, RGEDZR)	✓			

A refined solution to make replacement,  
installation and service faster and easier.



Redesigned for today's demanding commercial applications, the Renaissance™ Line is packed with smart thinking—like high-quality critical components, lean manufacturing processes and robust design features—including the strengthened, solid, single-piece top, durable panels, plus Scroll™ compressor technology. Ruud® offers innovative engineering that delivers easy installability, smart serviceability and industry-leading efficiencies for uptime reliability in a wide range of rooftop environments.

- Simple drop-in replacement—cutting installation time in half for substantial cost savings
- Build-to-order systems for all efficiency levels
- Ultra™ Series models are 2023 DOE Efficiency Standards Compliant right now
- First system in the dehumidification market with built-in Variable Frequency Drive (VFD)\*

\*VFD Technology and HumidiDry™ are not available on Achiever® Series models.



// **Simplicity** is the  
ultimate sophistication. //

—Leonardo DaVinci

# The all-new Renaissance™ Line. Powerfully Smart.

Engineers were given a challenge. Build an innovative package rooftop product line to meet the new demands of a wide range of commercial applications. They delivered an inspired solution that improves every aspect from replacement to reliability and from installability to serviceability.



## PLUSONE® DIAGNOSTICS

Dual 7-Segment LED Display delivers enhanced diagnostics with easy-to-understand fault codes.



PlusOne®  
Diagnostics

## NEW FEATURE

### External Lockable Gauge Ports

Provides the ability to measure operating pressures without opening the cabinet door and without affecting the performance of the unit.

## NEW FEATURE

### Condenser Coil Protection

The optional factory-installed, pre-coated condenser coils are designed to withstand the harshest environments, minimizing downtime.

## NEW FEATURE

### Improved Footprint

Drop-in replacement eliminates the need for a new curb adapter—cutting installation time in half for substantial cost savings.

## PLUSONE® SERVICESMART

### Qwik-Change Flex-Fit Rack

Allows easy changeover between 2" and 4" filters with standard and readily available sizes.



PlusOne®  
ServiceSmart

## PLUSONE® HUMIDIDRY™

The first in the dehumidification market to incorporate a VFD that operates at a lower speed on first-stage cooling, when in reheat mode and when operating in occupied fan mode; this saves energy, enhances performance and increases comfort.



PlusOne®  
HumidiDry™

## PLUSONE® SERVICESMART

### Qwik-Clean Drain Pan

Composite material pan that slides out completely for easy cleaning and features a standard overflow sensor.



PlusOne®  
ServiceSmart

## PLUSONE® SERVICESMART

### Qwik-Slide Blower Assembly

Extremely easy access and removal of blower assembly to service internal components, such as blower motor, TXV and microchannel coil.



PlusOne®  
ServiceSmart



Part of the 360\*+1 family of innovative air and water products.

\*HumidiDry is not available as an option on Achiever® Series Air Conditioners or Gas Electric models.

// **Perfection** is not when there  
is nothing left to add, but...  
nothing left to take away. //

—Antoine de Saint-Exupéry

## :: THE LEADING-EDGE OF EFFICIENCY— A NEW AGE IN SAVINGS.

Energy efficiency, savings, compliance and guarantees are important to you. That's why Ruud® had the Renaissance™ Line re-engineered from the ground up—all to meet the exacting standards of the industry as well as its customers. The Renaissance Line delivers a smart mixture of enhanced energy cost savings, available rebates, regulation compliance and an industry-leading warranty.

### High-Efficiency Savings

The Renaissance Line delivers improved energy savings of over 30% when compared to current baseline technology—translating into savings of thousands of dollars over the life of the equipment.

### Customized Solutions

The Renaissance Line offers a wide variety of heating and cooling solutions and build-to-order systems to suit your business needs, design and application requirements—eliminating the need to overpay for unnecessary “packages”, so you get a customized solution to suit your business needs.

### Rebate Opportunity

With industry-leading efficiencies of up to 14.8 IEER, the Renaissance Line may qualify for a variety of utility rebates—helping your business realize substantial savings for a greater return on investment, at purchase and year after year.



## :: VISIONARY FORM MEETS FLEXIBLE FUNCTION.

From new construction to replacement projects and more, the new Ruud® Commercial 7.5–12.5 Ton Renaissance™ Line offers a variety of commercial heating and cooling products that meet all design and application requirements. Whether your business is retail, hotels, restaurants, offices, schools, senior care or gyms, you can have a new, customized Renaissance unit connected quickly and efficiently, providing comfort and peace-of-mind.



### DOE Efficiency Standards Compliant (2018 & 2023)

Loaded with innovative and improved technologies for compliance with the Department of Energy's (DOE) new IEER standards effective January 2018—plus, Ruud is ready RIGHT NOW for 2023 regulations.

### California Title 24 / ASHRAE 90.1 Compliant

Achieves advanced energy efficiency and performance with our exclusive PlusOne® features to meet ASHRAE 90.1-2007\*, ASHRAE 90.1-2013, ASHRAE 62.1 and California Title 24 regulations.

### Guaranteed Performance

Industry-leading commercial limited warranty includes:

- Stainless Steel Heat Exchanger – 20 Years
- Aluminized Heat Exchanger – 10 Years
- Scroll™ Compressor – 5 Years
- All Other Parts – 1 Year

\*Applies to RGEDZR and RACDZR models only

## THE RENAISSANCE LINE— ENGINEERED FOR ALL COMMERCIAL APPLICATIONS

The new Ruud Commercial 7.5–12.5 Ton Renaissance Line is redefining performance for commercial applications. Highlights include:

### Hotels / Hospitality

For hotels, resorts and casinos, consistent guest service and climate control is a top priority. The Renaissance Line is the best choice for a highly efficient heating and cooling system—all BAS/EMS compatible to deliver comfort, control and savings you can count on.

### Restaurants / Foodservice

In the food business, uptime is critical. The Renaissance Line simplifies the replacement process with an improved product footprint, cutting installation time in half for substantial cost savings.

### Office Buildings

Maximum business productivity demands cost-conscious comfort and control year-round. The Renaissance Line offers BAS/EMS compatibility and smart energy savings of over 30% compared to baseline technology—which can translate into thousands of dollars added to the bottom line.

### Schools

From daycare to higher education, campuses must meet high standards of cleanliness and comfort. The Renaissance Line's smart features and BAS/EMS compatibility cut energy use and costs to help fund infrastructure repairs, construction rebuilds and remodeling projects.

### Senior Care Centers

To help enrich the lives of the elderly, facilities need precise and reliable climate control that provides better comfort and still meets tight budgets. The new Renaissance Line is the best match for good business—designed to be easy to install, maintain and service to deliver low lifecycle costs.

### Athletic Facilities / Gyms

For workout facilities, precise climate control to keep members cool and comfortable is key. The Renaissance Line features HumidiDry™\* technology, the first in the dehumidification market with built-in VFD—saving energy, enhancing performance and increasing comfort.

### Retail Environments

From smaller stores to big box supercenters, guest comfort is critical, but so is watching overhead costs. The Renaissance Line delivers a smart mix of enhanced energy cost savings, available rebates, regulation compliance, plus an industry-leading limited warranty to minimize lifecycle costs.

\*HumidiDry is not available as an option on Achiever® Series Air Conditioners or Gas Electric models.

:: CUSTOMIZED SOLUTIONS TO HELP GROW YOUR BUSINESS.



### Flexible Product Options

The Ruud® Renaissance™ Line is full of smart options and must-have accessories, which can be factory- or field-installed—ensuring you get a customized solution to suit your business needs.

### Faster Lead Time

With a redesigned, technologically advanced commercial production facility, Ruud makes it easy to take advantage of improved factory lead times on build-to-order systems with custom options to help avoid business downtime.

### Ruud Commercial KwikComfort® Financing

The Ruud brand has partnered with Fernwood Capital to offer customized financing plans that meet your specific needs that will help build your continued business growth.

### Ruud Protection Plus® Plans

Ruud has partnered with AIG® to offer parts and labor extended service agreements for commercial applications that allow you to prepare for unexpected and unbudgeted repairs.



### Wide Product Availability

Ruud offers an ever-expanding range of heating and cooling solutions, plus a vast distribution network across the US and Canada—making it easier than ever to get the right product at the right time and in the right place, driving uptime for your business.

## :: WHY RUUD® COMMERCIAL?



With a long-standing reputation for reliable performance, the Ruud brand is an industry leader for total heating, cooling and water heating solutions. In fact, Ruud is one of the few brands that spans both air and water products, across residential and commercial applications. Ruud reliability is matched by a strong focus on innovation. The Ruud H<sub>2</sub>AC® Rooftop Unit featuring eSync™ Integration Technology is the first-of-its-kind commercial integrated air and water system. And now—with the all-new Renaissance™ Line—Ruud offers commercial HVAC solutions designed to provide reliable comfort, flexibility and support for any business application.

**Ruud History.** More than a century ago, Edwin Ruud, a Norwegian mechanical engineer, came to America and developed the first electric, automatic storage water heater, receiving a patent in 1890. That early success marked the beginning of a tradition of innovation and reliability that led to Ruud becoming part of Rheem®, creating a powerhouse in heating, cooling and water heating. Today, the Ruud brand offers a wide range of solutions—meeting the demands of residential, commercial, institutional, industrial and manufactured housing applications.

// **Recognizing the need** is the primary condition for design. //

—Charles Eames



### BAS/EMS Compatible (Building Automation System / Energy Management System)

Every product in the Renaissance Line offers the latest in comfort management technology. Factory-installed ClearControl™, Direct Digital Control (DDC) and sensors can connect to LonWorks™, BACnet® and Modbus® BAS/EMS systems for remote monitoring and precise control—allowing faster problem solving if service is ever required. They also help the unit operate more efficiently and reduce energy costs.



### Expedited Delivery & Install

To keep your business running, you can rest assured that contractors can get the product you need quickly. Plus, we designed the Renaissance Line with innovative features that simplify installation and serviceability—so for new construction, replacement or maintenance, we've made sure to minimize downtime.



### Dedicated Technical Support

Uptime is critical to your business. That's why Ruud offers a dedicated Support Team standing by to answer your questions. Ruud is here to support you at every step.

# :: READY TO REPLACE YOUR OLD HVAC WITH A COMMERCIAL MASTERPIECE?

No matter the condition of your current units or type of business, the Renaissance™ Line offers you the best replacement for commercial rooftop applications—delivering easy installability, masterful performance and smart serviceability—plus, industry-leading efficiencies and world-renowned Ruud® reliability you trust.

Visit **[Ruud.com/Renaissance](http://Ruud.com/Renaissance)** today.

*In keeping with its policy of continuous progress & program improvement,  
Ruud reserves the right to make changes without notice.*