

:: welcome to the rebirth of cool

The all-new Rheem® Commercial Renaissance™ HVAC 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 created from paint or stone. Ours, from metal.

INTRODUCING THE RHEEM® COMMERCIAL 7.5–12.5 TON RENAISSANCE LINE—

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

TIER COMPARISON

Models	Single-Stage Cooling	Two-Stage Cooling	VFD Technology	HumidiDry™
Commercial Prestige® Series (RACDZT, RGEDZT)		✓	✓	Option
Commercial Classic Plus® Series (RACDZS, RGEDZS)		✓	Option	Option
Commercial Classic® Series (RACDZR, RGEDZR)	✓			

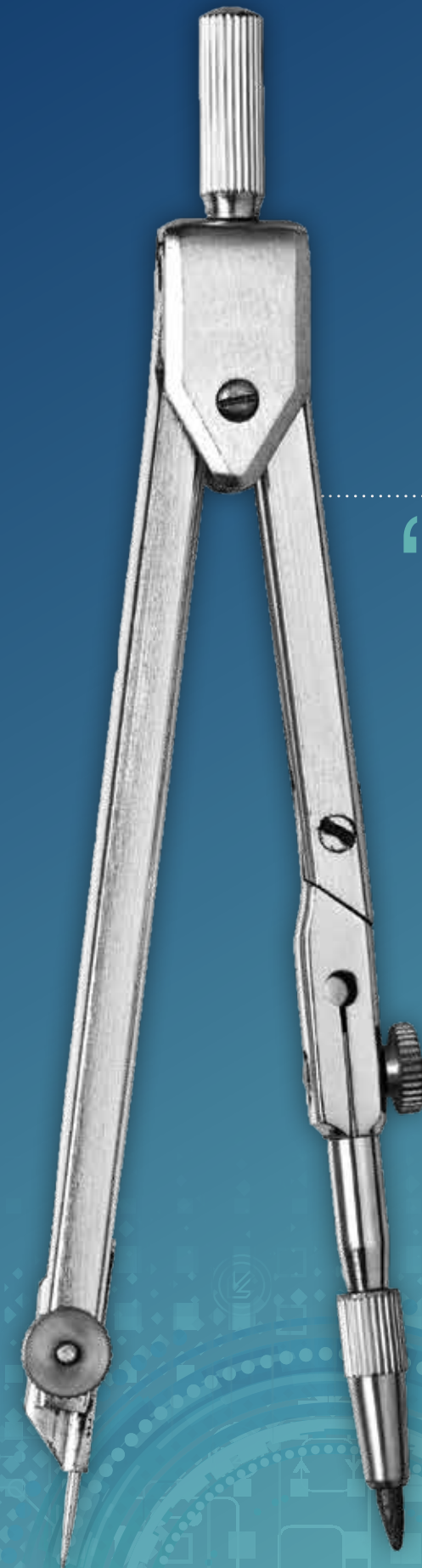
A refined solution to make replacement,
installation and service faster and easier.



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. It's innovative Rheem® engineering that delivers easy replacement, installability and smart serviceability, plus industry-leading efficiencies for uptime dependability 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
- *Prestige*® 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 HumidDry™ are not available on Classic® Series models.



“ **Simplicity** is the
ultimate sophistication. ”

—Leonardo DaVinci

The all-new Renaissance™ Line. Genius.

Our engineers were given a challenge. Create 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 dependability 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

Our 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 Classic® 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 next level of efficiency—
a new era in savings.

We know energy efficiency, savings, compliance and guarantees are important to you. That's why we've re-engineered the Renaissance™ Line from the ground up—all to meet the exacting standards of the industry as well as our 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 breadth 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”, and ensuring 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 Rheem® Commercial 7.5–12.5 Ton Renaissance™ Line offers a breadth 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'll have the ability to connect a new, customized Renaissance unit 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, we're ready RIGHT NOW for 2023 regulations.

California Title 24 / ASHRAE 90.1 Compliant

Achieves superior efficiency and performance levels 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

Our 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 Rheem Commercial 7.5–12.5 Ton Renaissance Line is redesigning 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 perfect 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 our elders, 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 Classic® Series Air Conditioners or Gas Electric models.

:: customized solutions to help grow your business.



Flexible Product Options

The Rheem® 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 Rheem's redesigned, technologically advanced commercial production facility, we make it easy to take advantage of improved factory lead times on build-to-order systems with custom options to help avoid business downtime.

Rheem Commercial KwikComfort® Financing

Rheem has partnered with Fernwood Capital to offer customized financing plans that meet your specific needs that will facilitate your continued business growth.

Rheem Protection Plus® Plans

Rheem 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

Rheem 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 Rheem® Commercial?



Building on nearly a century of industry-leading innovations, Rheem was the first manufacturer to include Scroll™ compressor technology and one of the first to offer R-410A package heat pump solutions above five tons. Rheem led the way with micro-channel heat exchangers in 3-5 ton package units—and with the H₂AC® Rooftop Unit featuring eSync™ Integration Technology—the first-of-its-kind commercial integrated air and water system. The next step in this evolution is the Renaissance™ Line—commercial HVAC solutions designed to provide perfect comfort, flexibility and support for any business application.



Rheem History. Brothers Richard and Donald Rheem established Rheem Manufacturing Company in the mid-1920s and began manufacturing water heaters in the 1930s. In 1959, the company became an innovator in the water heating industry. Rheem entered the rapidly growing heating and air conditioning market, expanding again in the late 1960s and 1970s. In 1985, the company acquired Raypak®, a leading producer of copper tube boilers used for swimming pool heating, commercial hot water supply and hydronic heating. Rheem was the first to adapt Scroll compressor technology to its air conditioners in 1994 and launched the first and only commercial integrated air and water heating system, H₂AC, in 2012.

“ 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 Rheem offers a dedicated Support Team standing by to answer your questions. Rheem 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 Rheem® dependability you trust.

Visit Rheem.com/Renaissance today.

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