



The new degree of comfort.™

American Brand with Global Reach

RESIDENTIAL COOLING SOLUTIONS

Heat Pump Decorative Inverter Split Unit

SDMA-HIGxxxT01 Series



PRODUCT
LEAFLET



R410A



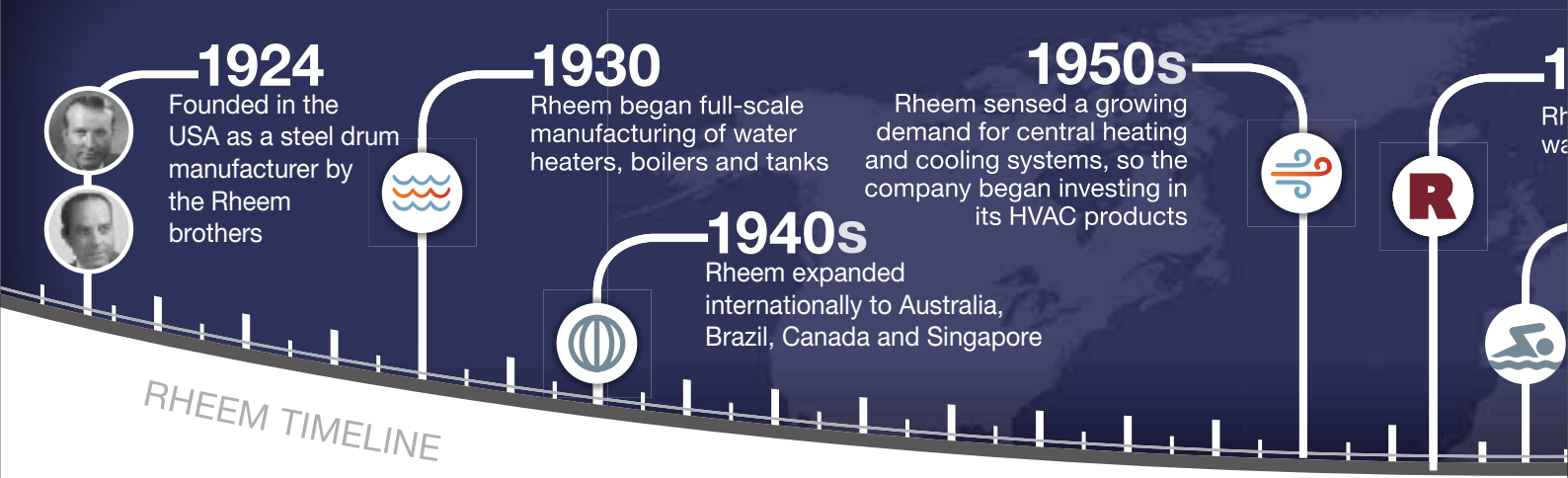
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ABOUT RHEEM

Rheem is the only North American manufacturer delivering innovative, energy-efficient air and water solutions to homes and businesses in more than 70 countries worldwide. From its Atlanta, Ga. headquarters, three U.S. manufacturing facilities, state-of-the-art distribution center and Advanced Technology Integration (ATI) Lab, Rheem designs, builds and supplies some of the most reliable, environmentally responsible and technologically advanced products in the industry. Under the “One Rheem Quality” promise, every Rheem product built anywhere in the world is held to the same high standard of excellence.

RHEEM PRODUCT OFFERINGS



WATER HEATING



HEATING & COOLING



POOL & SPA



REFRIGERATION

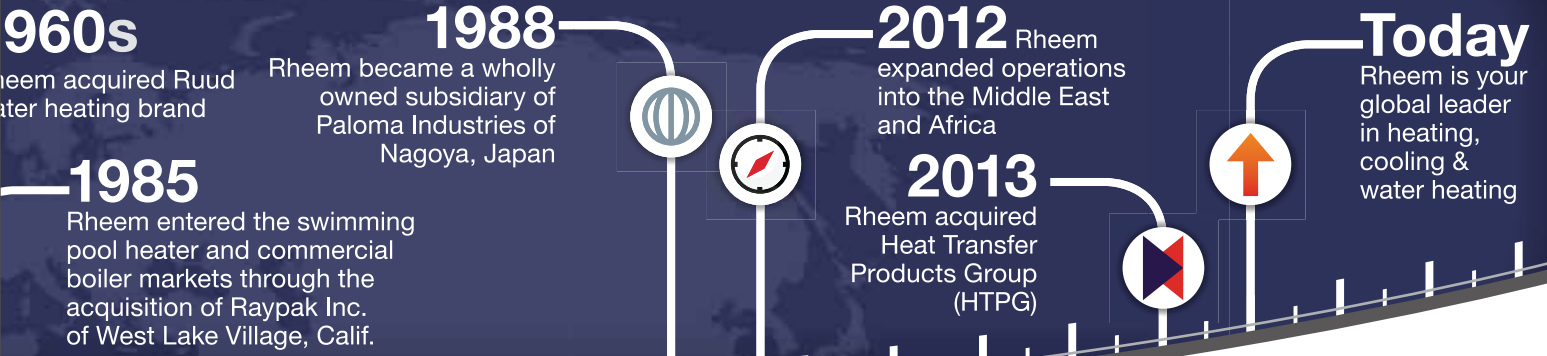
Together, the Rheem family of distinguished brands—Rheem, Ruud, Raypak, Richmond, ProTech, ProStock and HTPG—is committed to bring best-in-class comfort solutions to homeowners and businesses all over the world.

EXCELLENCE IN MANUFACTURING, RESEARCH & DEVELOPMENT

Rheem maintains seven research and development centers and ten labs in North America, Japan and Australia. Investing in these facilities enables the company to continually build and refine its core competencies in electronics, gas combustion, heat transfer and materials.

All Rheem products meet or exceed rigorous industry and regulatory standards for performance, reliability, efficiency, and air and water quality. From design and fabrication to finished product assembly, each phase in the manufacturing process is monitored and measured to ensure the highest quality, durability and operating excellence. Rheem products are routinely tested and certified by various government and third-party testing labs to ensure the highest quality standards.

The same standard of excellence applies to every aspect of Rheem’s operations, from its 7,000 global Rheem employees to its valued Rheem and Ruud distributors and contractors.



A GLOBAL LEADER

Rheem is uniquely positioned as a global market leader. As the leading manufacturer specializing in complete air and water solutions, Rheem is the only company that can help homeowners anywhere in the world manage more than 60% of their home energy use through advanced comfort and control technologies.

A truly international corporation, Rheem makes and markets its best-in-class products all over the globe.



Strengthening its current international presence and expanding its quality products and services into promising new global markets is central to Rheem's corporate strategy for continual, customer-focused growth.

14 RHEEM OFFICES


7 RESEARCH AND DEVELOPMENT

25 MANUFACTURING FACILITIES


CORE TECHNOLOGY

Standard Features


Dehumidifying

 Dehumidifies the room efficiently.

Vertical Auto Swing

 For a more efficient air and temperature distribution throughout the room, air discharge flaps can automatically move vertically


Turbo

 Press the "Turbo" button on the remote controller to enjoy better air flow. This enables the indoor temperature to reach the set temp in a shorter period of time.


LED Display

 Beautiful LED display for an attractive look.


Cold Plasma

 Odor removal kills 90% of bacteria. Furthermore, air nutrition is improved with more negative oxygen ions.


Timer

 Automatically turns the air conditioner ON or OFF automatically within a 24-hour period.

Auto Restart


 In case of power shutdown, this feature allows for automatic restart with the previous settings when power resumes.

Self-diagnosis

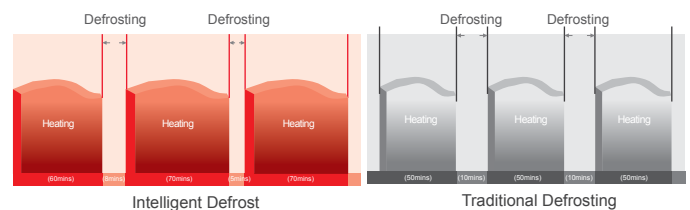
 Once abnormal operation or part failure occurs, the unit will automatically shut-off to protect the system. Meanwhile, it will indicate protection or error code for diagnosis.




Intelligent Defrost

 Usually, traditional defrosting works by setting a time interval. For instance, a 10 minute defrosting process is initiated after every 50 minute interval.


Intelligent Defrosting is only performed when required, which reduces the energy wastage.




Low Voltage Startup

 Unit is safely able to start start even when the voltage is below standard.

Sleep Mode

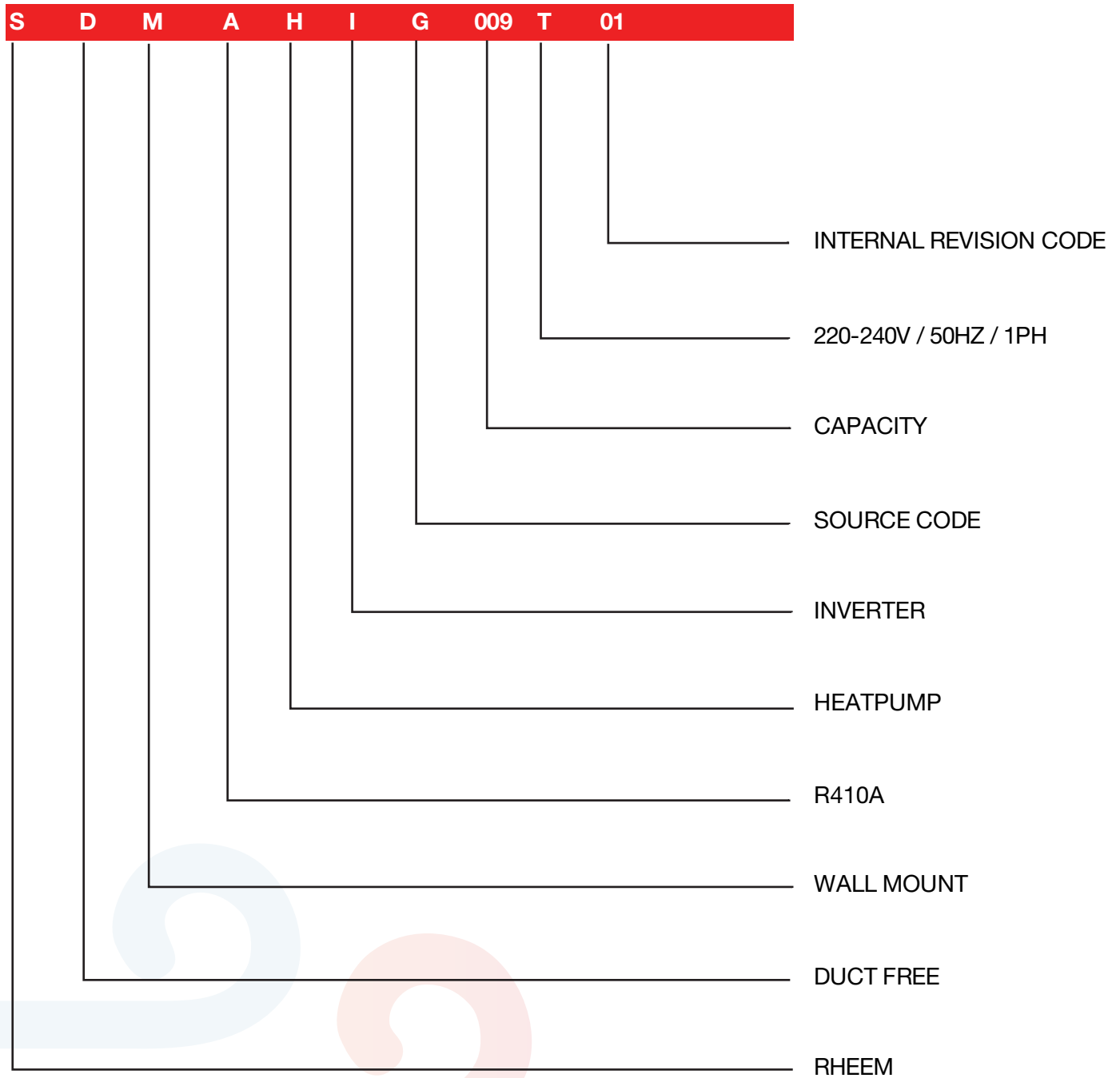
 While the unit is in cooling, energy-saving or dry mode, the sleep mode activates: a. After an hour, the set temperature increases by 1°C (2°F). b. After 2 hours, the set temperature increases by another 1°C (2°F). Hence, the set temperature will totally increase by 2°C (4°F) in 2 hours and then the unit will continue to operate at this temperature.

Cold Air Draft Prevention

 The heat exchanger is heated in advance to avoid a cold air draft.

NOMENCLATURE

System:



MODEL NUMBERS

| Model | System Model Nos. |
|-------|-------------------|
| 9000 | SDMA-HIG009T01 |
| 12000 | SDMA-HIG012T01 |
| 18000 | SDMA-HIG018T01 |
| 24000 | SDMA-HIG024T01 |

TECHNICAL SPECIFICATIONS

| Parameter | | Unit | SDMA-HIG009T01 | SDMA-HIG012T01 | SDMA-HIG018T01 | SDMA-HIG024T01 |
|------------------------------|-------------------|-----------|---|---|---|---|
| Power Supply | Rated Voltage | V | 220-240 | | | |
| | Rated Frequency | Hz | 50 | | | |
| | Phases | -- | Single | | | |
| Power Supply Mode | | -- | Outdoor | | | |
| Rated Cooling Capacity** | | Btu/h | 8530 | 10920 | 15700 | 20820 |
| Rated Heating Capacity*** | | Btu/h | 9550 | 12180 | 17850 | 21160 |
| Rated Cooling Power Input** | | W | 780 | 997 | 1430 | 2000 |
| Rated Heating Power Input*** | | W | 775 | 942 | 1380 | 1900 |
| Cooling Current | | A | 3.60 | 4.50 | 6.34 | 9.35 |
| Heating Current | | A | 3.50 | 4.40 | 6.12 | 10.00 |
| EER | | (Btu/h)/w | 10.94 | 10.95 | 10.98 | 10.41 |
| COP | | (Btu/h)/w | 12.32 | 12.31 | 12.32 | 11.13 |
| SEER | | -- | 6.10 | 6.10 | 6.10 | 6.50 |
| SCOP(Average) | | -- | 4.00 | 4.00 | 4.00 | 4.00 |
| SCOP(Warmer) | | -- | 5.10 | 5.10 | 5.10 | 4.60 |
| SCOP(Colder) | | -- | 3.30 | 3.30 | 3.30 | 3.20 |
| Energy Class | | -- | A++ Cooling / A+ Average / A+++ Warmer / B(Colder) | A++ Cooling / A+ Average / A+++ Warmer / B(Colder) | A++ Cooling / A+ Average / A+++ Warmer / B(Colder) | A++ Cooling / A+ Average / A+++ Warmer / B(Colder) |
| Indoor Unit | Dimension (W×H×D) | mm | 790×275×200 | 790×275×200 | 970×300×224 | 970×300×224 |
| | Net Weight | | 9.0 | 9.0 | 13.5 | 13.5 |
| | Compressor Type | -- | Rotary | | | |
| Outdoor Unit | Dimension (W×H×D) | mm | 776×540×320 | 842×596×320 | 842×596×320 | 955×700×396 |
| | Net Weight | kg | 25.5 | 29.0 | 31.5 | 46.0 |
| | Refrigerant | -- | R410A | | | |

** (I) Entering Air D.B.T / Air W.B.T: 27 °C / 19 °C, (O) Entering Air D.B.T: 35 °C

*** (I) Entering Air D.B.T: 20 °C, (O) Entering Air D.B.T / W.B.T: 7 °C / 6 °C



Notes



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Notes



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Notes



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Why Rheem?

American Brand with Global Reach,
Dedicated to Quality & Innovation

Rheem is the only North American manufacturer delivering advanced, energy-efficient air and water solutions to homes and businesses in more than 70 countries worldwide. From its Atlanta Headquarters, three U.S. manufacturing facilities and Advanced Technology Integration (ATI) Lab along with its manufacturing, research and development centers all around the world, Rheem designs, builds and supplies some of the most reliable, environmentally responsible and high-performance products in the industry.

In the Middle East, Rheem has been present and its products are in service for over 30 years. In fact, the company has already installed more than one million ton of air-conditioning products.

Rheem products include (but not limited to):

- Full range of direct expansion Air-conditioning solutions such as Rooftop package units, ducted units, decorative splits.
- Advanced Integrated Air-conditioning, Heating & Water Heating energy saving and comfort systems such as H2AC and HumidiDry.
- Full range of water heating products including electric tank and tankless water heaters (electric and gas), boilers, heat-pump water heaters and solar powered water heating solutions.

For more information about our products and local distributors, please visit us at
www.Rheem-mea.com



For continuous product improvement, Rheem reserves the right to make changes to the product specifications without notice.