



The new degree of comfort.™

American Brand with Global Reach

# RESIDENTIAL COOLING SOLUTIONS

Cooling Only Decorative Wall-mount Split Unit

**Model: SDMB-CTC-A Series**



**PRODUCT  
LEAFLET**





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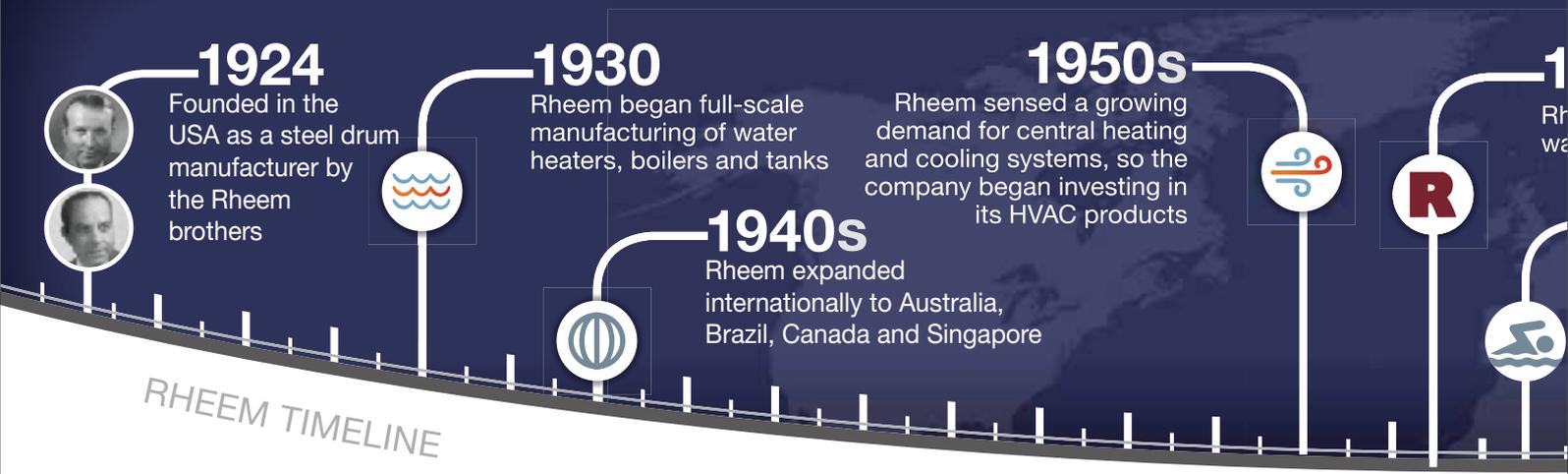


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## ABOUT RHEEM

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**

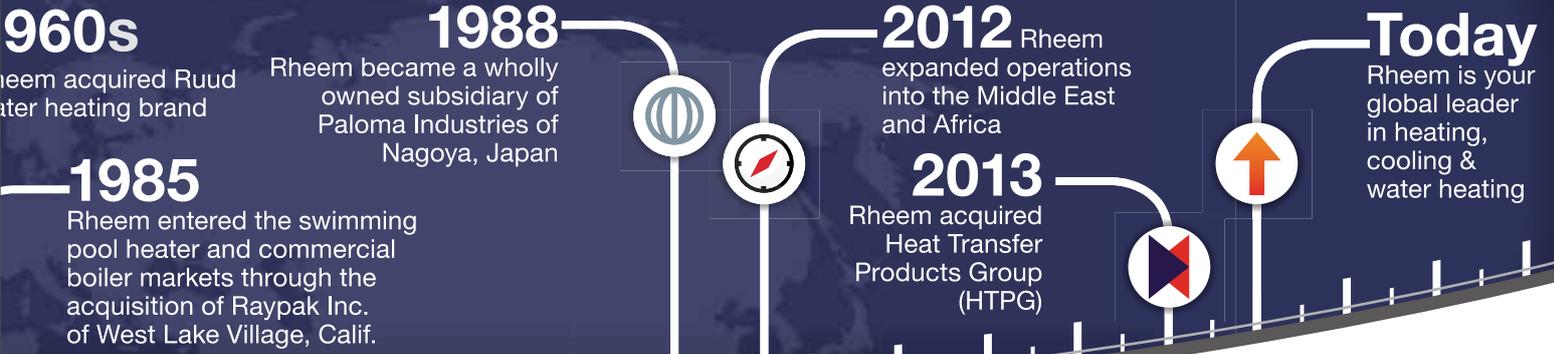
Together, the Rheem family of distinguished brands—Rheem, Ruud, Raypak, Richmond, ProTech, ProStock and HTPG—is committed to bring best-in-class comfort solutions to homeowners and businesses all over the world.

## 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

### Independent Dehumidifying



Effectively removes moisture from the room.

### Turbo Cooling



This feature maximizes cooling output, so room temperature can quickly reach the set level.

### 360° Three-dimensional Air Delivery



360° air swing design allows air to reach every corner of the room with a wide angle.

### Multiple Airflow Speeds



Multiple Airflow Speeds ensure more precise control and a more comfortable breeze.

### Easy to Clean Panel



The indoor unit panel can be easily detached for cleaning.

### Washable Filter



This feature offers easy detachment so the filter can be cleaned as and when required.

### Time Switch



The 24-hour timer can be set to turn the device ON and OFF automatically.

### Self-Diagnosis



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

### Self-cleaning



Dust on the evaporator is removed by the condensed water on pressing the "Clean" button.

### Sleep Mode



The AC will automatically increase or decrease the temperature by 1°C per hour for the first 2 hours, and then hold steady for the next 5 hours. This function saves energy and provides comfort at night.

### Inner-grooved Copper Tubes



High quality inner-grooved copper increases the surface area of the inner copper wall, significantly improving thermal conductivity.

### Child Lock



The remote cannot be operated when locked, preventing accidental usage by children.

### Soft LED Setting



With integrated design, the display is cleverly concealed in the interior of the panel for energy saving and comfortable sleep.

### Auto-restart



If the unit stops unexpectedly due to a power cut, the AC unit will automatically restart in the previous mode, once power is restored.

### Double 8 Display



Simple 88 display clearly indicates the indoor unit setting temperature.

# CORE TECHNOLOGY

## Standard Features

### Wide Voltage Operation Range



The specially designed low-pressure compressor allows the AC unit to start and run smoothly at a voltage level of 170V-253V, hence avoiding any damage to the machine.

### Manual Button



The AC can be easily controlled by pressing the 'Manual' button.

### Multi-fold Evaporator



With increased heat exchange area, the heat exchange efficiency is enhanced by multi-folding evaporator.

### Mold-proof Operation



The fan continues to run at low speed after the AC unit is switched off from cooling or dehumidifying mode to ensure the indoor unit remains dry and to prevent mold formation.

### Anti-rust Design



The outdoor unit is coated with anti-rust layer to ensure a long-lasting shiny look.

### Fireproof Structure



Fireproof structure for fire prevention and safety.

### Advanced EVA drain pipe



High-grade EVA drain pipe for longer service life and smoother drainage.

### Blue Fin



The heat exchanger of the outdoor unit undergoes a special treatment called Blue Fin, which provides more strength and resistance to corrosion. Blue Fin prolongs the lifetime of the outdoor unit and keeps it in good shape overtime.

## Optional Features

### Vitamin C Filter



Helps alleviate stress, improves immunity, and promotes healthy skin.

### Silver Ion Filter



Silver ions are a highly effective antibacterial. They can effectively inhibit the growth of bacteria.

### Cold Catalyst Filter



Eliminates formaldehyde and other volatile organic compounds, as well as gets rid of harmful gases and odors.

### Ionizer



Releasing negative ions eliminates odors, dust and smoke, bringing you healthy and fresh air.

### Lysozyme Filter



Sterilizes the airborne bacteria.

### Golden Fin



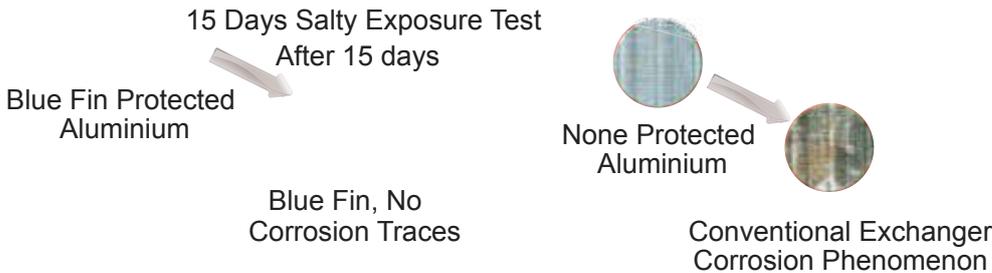
The golden hydrophilic condenser can improve the heat exchange efficiency. The unique anti-corrosive golden coating on the condenser can withstand the salty air, rain and other corrosive elements.

# PRODUCT HIGHLIGHTS



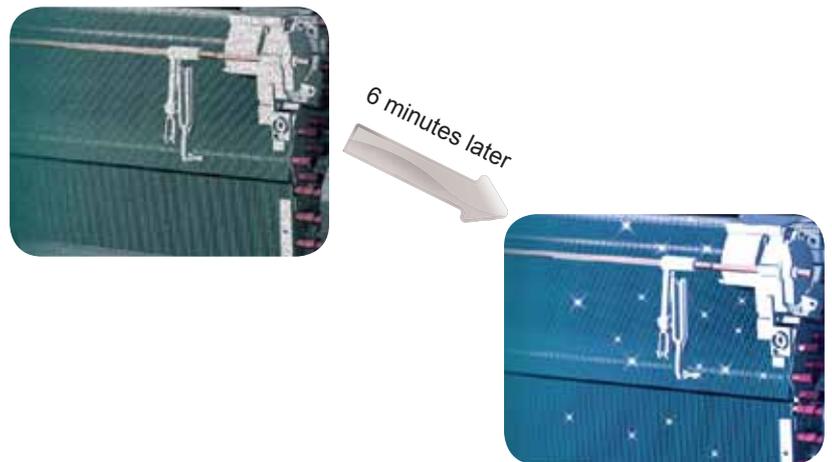
## Blue Fin Anti-Corrosion Treatment

The heat exchanger of the outdoor unit undergoes a special treatment called Blue Fin, which provides more strength and resistance to corrosion. Blue Fin prolongs the lifetime of the outdoor unit and keeps it in good shape over time.



## Smart Cleaning

In standby mode, click the Smart Cleaning Button, allowing the air conditioner to clean the dust on the evaporator using condensation water and automatically blow-dries the evaporator. The whole process can be completed in six-minutes.



## Mold Proofing Operation

After shutdown, the machine will automatically dry the condensate on the evaporator, to prevent the growth of bacteria and generation of odors.

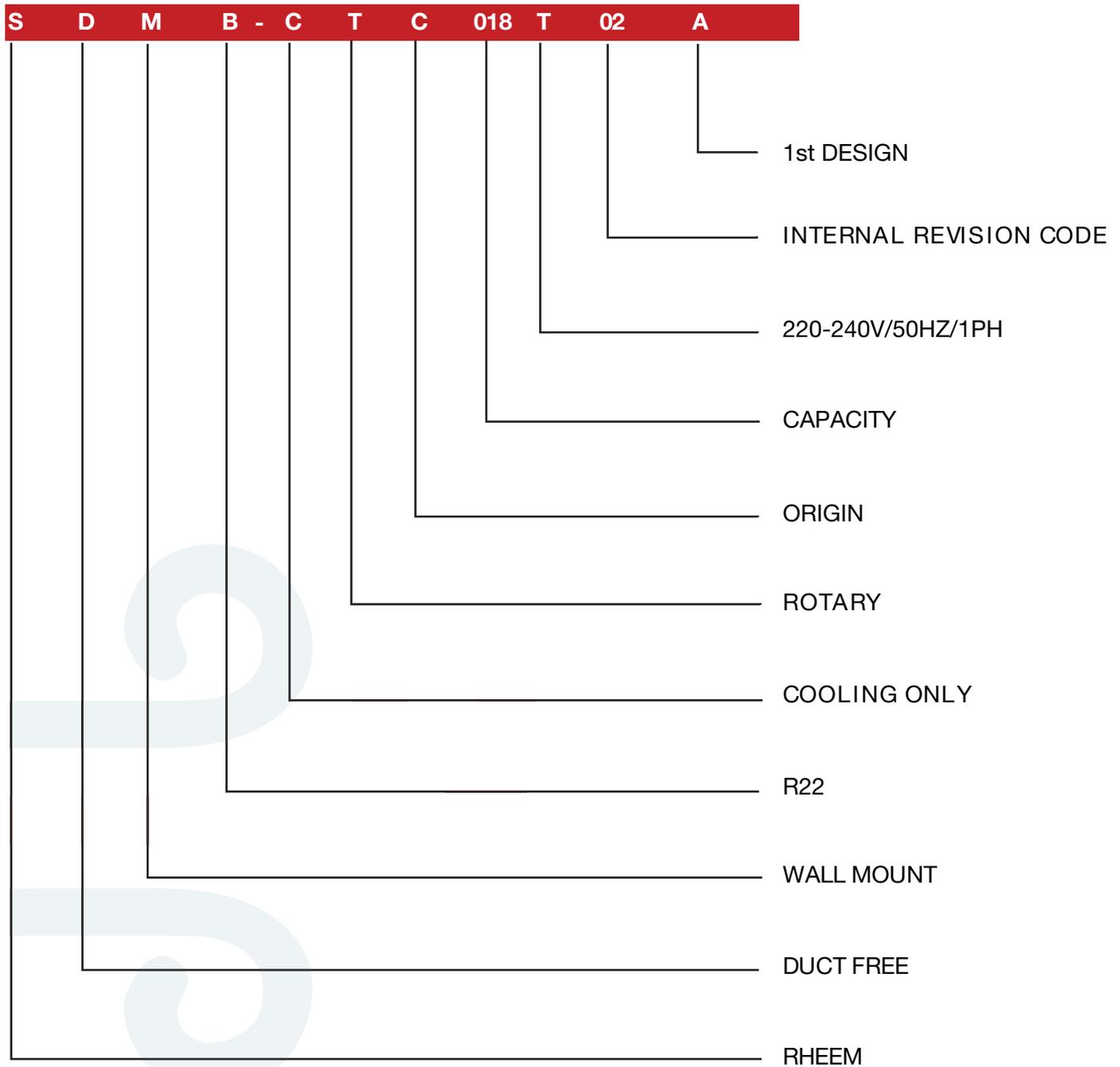


## Internal Threaded Brass

Internal threaded brass of high quality adds to the surface area of the brass inner wall and significantly improves the thermal conductivity by up to 30%.

# NOMENCLATURE

System:



## MODEL NUMBERS

S No.	System Model
1.	SDMB-CTC012T02A
2.	SDMB-CTC018T02A
3.	SDMB-CTC021T02A
4.	SDMB-CTC024T02A
5.	SDMB-CTC030T02A

# TECHNICAL SPECIFICATIONS



Model		Unit	SDMB-CTC012T02A	SDMB-CTC018T02A	SDMB-CTC021T02A	SDMB-CTC024T02A	SDMB-CTC030T02A
Power Supply		Ph-V-Hz	1Ph-220-240V-50Hz	1Ph-220-240V-50Hz	1Ph-220-240V-50Hz	1Ph-220-240V-50Hz	1Ph-220-240V-50Hz
Cooling Performance @ T1 Condition*	Total Cooling Capacity	BTU/h	10900	18400	20800	23900	30000
	Power input	W	1100	1811	2150	2450	3100
	EER	BTU/h.W	9.91	10.16	9.67	9.76	9.68
Cooling Performance @ T3 Condition**	Total Cooling Capacity	BTU/h	9800	16200	17300	21000	26200
	Power input	W	1350	2120	2500	2970	3550
	EER	BTU/h.W	7.26	7.64	6.92	7.07	7.38
Compressor Type			Rotary	Rotary	Rotary	Rotary	Rotary
Indoor Unit	Dimension (L×W×H)	mm	745×250×195	900×292×215	1000×300×216	1080×302×220	1300×332×245
	Net/Gross weight	Kg	9/11	13/15	14.5/18	16/20	19/23
Outdoor Unit	Dimension (L×W×H)	mm	812×256×540	850×295×605	850×295×605	870×310×700	970×370×790
	Net/Gross weight	Kg	30/34	41/47	42/48	53/60	73/82
	Refrigerant type/weight		R22	R22	R22	R22	R22

\* Indoor entering Air Dry Bulb/Wet Bulb Temperature 80°F/67°F, Outdoor entering Air Dry Bulb Temperature 95°F

\*\* Indoor entering Air Dry Bulb/Wet Bulb Temperature 80°F/67°F, Outdoor entering Air Dry Bulb Temperature 115°F

All capacities are based on high-speed air flow.



# Notes



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# Why Rheem?

American Brand with Global Reach,  
Dedicated to Quality & Innovation

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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](http://www.Rheem-mea.com)



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