



The new degree of comfort™

American Brand with Global Reach

RESIDENTIAL COOLING SOLUTIONS

Premium EER Cooling only Universal Type Split Unit

Model: SMUL – SAGL



PRODUCT
LEAFLET

PRESTIGE
Series

R410A



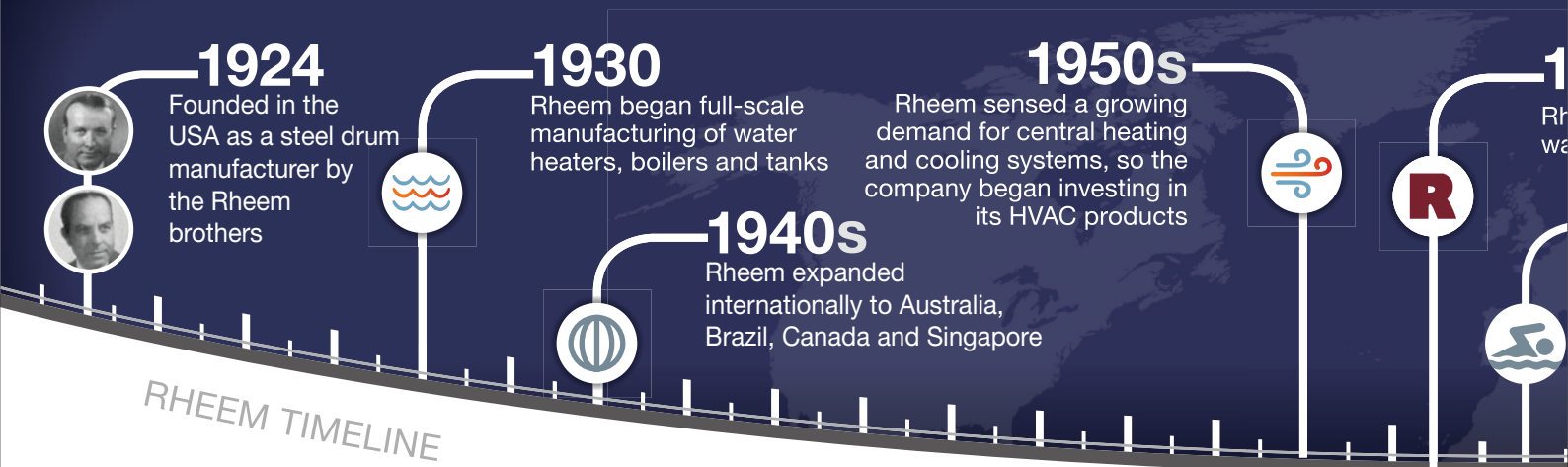
Air | Air Conditioners



TABLE OF CONTENTS

Topic	Page
1. Rheem Introduction	4-5
2. Core Technology	7
3. Nomenclature	8
4. Model Numbers	8
5. Technical Specifications	9





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

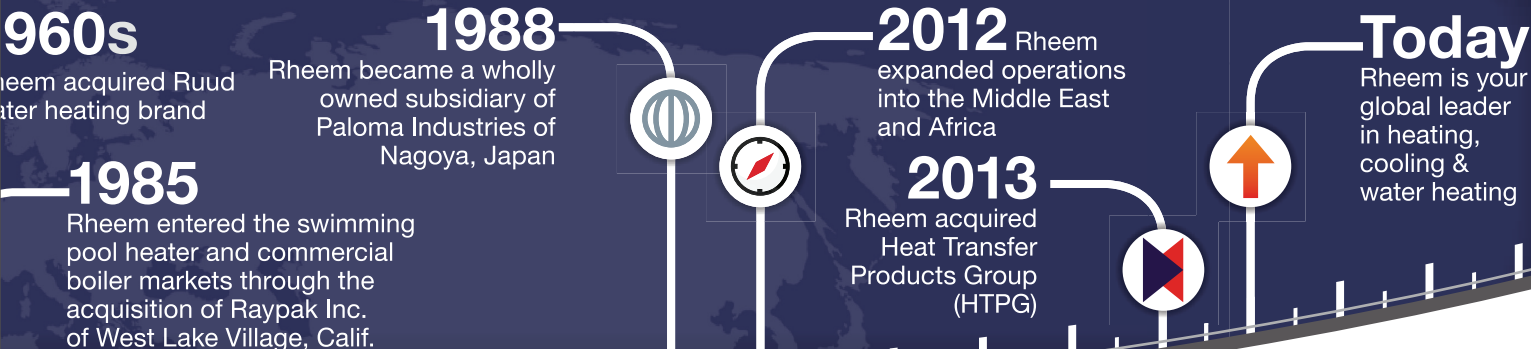
Together, the Rheem family of distinguished brands—Rheem, Ruud, Raypak, Richmond, ProTech, ProStock and HTPG—is committed to bring best-in-class comfort solutions to homeowners and businesses all over the world.

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



The new degree of comfort.™

PERFORMANCE

THAT LASTS LONGER



- 30m Vertical & 50m total piping
- Undergone a 1000 hrs salt spray test
- Powder coated design
- Metallic Jacket to withstand harsh Gulf climate
- More than 30 years of presence in the Middle East
- Over 1 Million ton capacity of Rheem ACs operating in the region

Comfortable cooling with high-efficiency that is easy on your wallet.

HIGH
ENERGY-EFFICIENCY



R-410A offers greater efficiency, saving the energy costs, and is much better for the environment of your loved ones.

ENVIRONMENT
FRIENDLY



No. 1 in reliability by leading consumer products review magazine. Designed & manufactured in North America.

RELIABLE &
DURABLE



CORE TECHNOLOGY

Indoor Unit

Rheem Split air conditioners are available with the most reliable unit design available. All floor & ceiling units can be matched with all Rheem condensing units.

FLOOR & CEILING - INDOOR UNIT

Engineering Features

- **CABINET:** Made from heavy gauge galvanized steel, and powder coated by electrostatic painting process. Modern and elegant appearance.
- **MOTOR:** Permanently lubricated with thermal overload protection & ventilated type motors are mounted inside the insulated cabinet to reduce motor noise.
- **BLOWER:** Double inlet, double width, forward curved plastic construction, dynamically balanced for low noise & high performance.
- **FILTERS:** Easy Filter cleaning and maintenance.
- **INSULATION:** 5mm thickness insulation for drain pan only. The other parts have insulation of 3mm thickness.
- **EVAPORATOR COIL:** Coils are constructed with inner grooved copper tubes and aluminum fins mechanically bonded to the tubes for maximum heat transfer capabilities.
- **REFRIGERANT CONNECTIONS:** Field piping connections, are sweat type, made through side of the unit.
- **DRAIN PAN:** Insulated galvanized steel sandwich construction drain pan is designed to trap condensate drain.
- **DRAIN PIPE:** Flexible Drain pipe design can meet different installations (Floor or Ceiling).
- **TESTING:** All units are tested at the factories prior to shipment.
- **CONTROL:** LCD digital temperature display with wireless remote control.
- **EXPANSION DEVICE:** TXVs have the best overall design and manufacturing to yield optimal performance and reliability, ensuring success in today's high - SEER R-410A environment.

Outdoor Unit

CONDENSING OUTDOOR UNITS

Engineering Features

- Louvered steel cabinet, powder coat paint system rated at 1008 hours salt spray per ASTM 8117 only on SAGL.
- Easily accessible control box.
- Condenser coils constructed with Copper tubing and enhanced aluminum fin.
- Exclusive Combination Grilled / Motor Mount secures the motor to the underside of discharge grille for quiet fan operation.
- Bi-Directional Filter Drier (Shipped -not installed)
- Low-pressure Control (RXAC-A07)
- High-Pressure Control (RXAB-A07)
- Compressor Time Delay Control

Applications

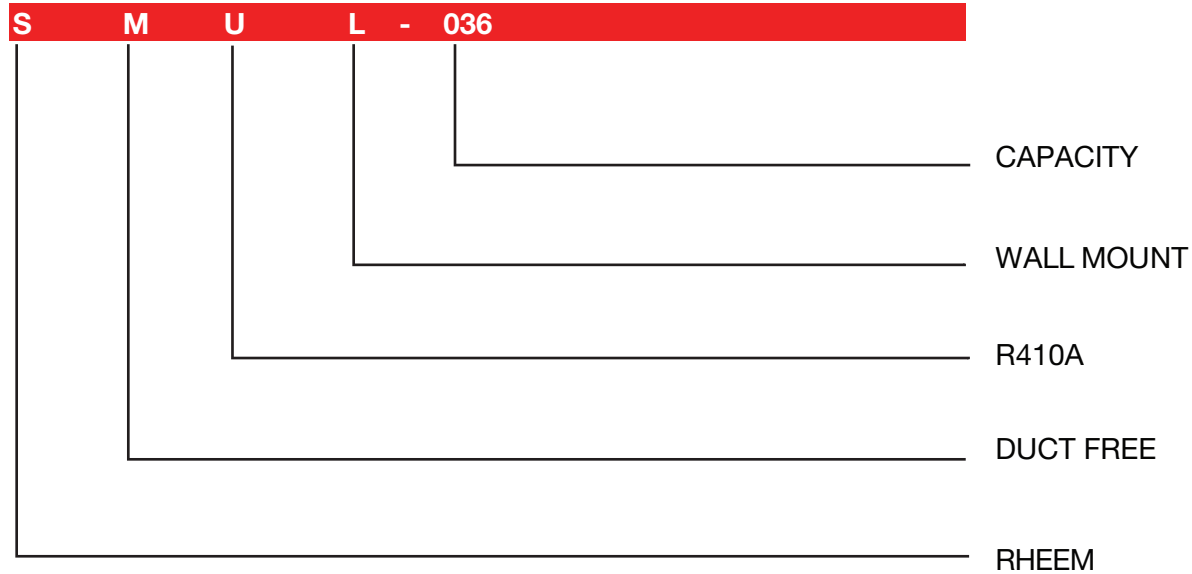
Outdoor Condensing units design for ground level or rooftop installation. These units offer comfort and dependability for single, multi-family and light commercial applications.

Accessories

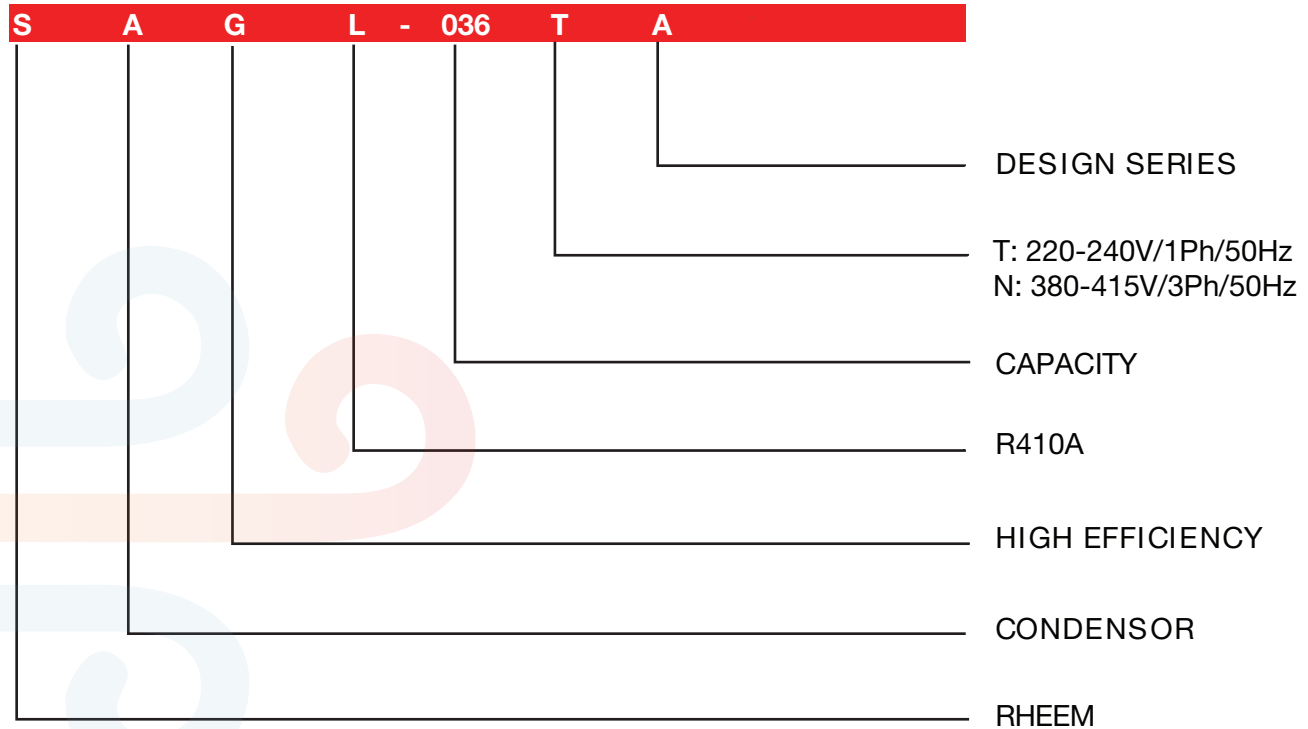
Low Ambient Control (RAXD-A07)
Crankcase Heater
Sound Enclosure

NOMENCLATURE

IDU:



ODU:



MODEL NUMBERS

Model	IDU Model Nos.	ODU Model Nos.
36000	SMUL-036	SAGL-036TA
48000	SMUL-048	SAGL-048NA
60000	SMUL-060	SAGL-060NA

TECHNICAL SPECIFICATIONS

Model Number			SMUL-036 /SAGL-036TA	SMUL-048 / SAGL-048NA	SMUL-060 / SAGL-060NA
Performance Data*	Rated Cooling Capacity	BTU/h	29599	40259	57828
	Rated Power Input	W	2488	3207	5100
	Rated EER	BTU/h.W	11.90	12.55	11.34
	Nominal Airflow Rate	CFM	1200	1600	2000
Performance Data**	Rated Cooling Capacity	BTU/h	25692	32414	49048
	Rated Power Input	W	3099	4420	6136
	Rated EER	BTU/h.W	8.29	7.33	7.99
Electrical Data	Power supply	V / Ph / Hz	380-415 V/ 3 Ph/ 50 Hz		
Indoor Dimensions	Height unit	mm	640	640	640
	Length unit	mm	1610	1910	1910
	Depth unit	mm	240	240	285
Discharge Direction			Top Discharge		
Type			Cooling Only		
Compressor	Type	-	Scroll		
Outdoor Dimension	W x D x H	mm	803 x 803 x 710	803 x 803 x 913	803 x 803 x 913
Outdoor Unit Weight		Kg	75.3	100.7	103
Refrigerant Pipe****	Liquid Line	Inch (mm)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
	Suction Line	Inch (mm)	3/4 (19.05)	7/8 (22.22)	7/8 (22.22)
Total Equivalent Pipe Length		m	50	50	50
Maximum Vertical Separation	ODU above IDU	m	30	30	30
	ODU below IDU	m	24	24	24

* IDB: 26.7°C / IWB: 19.4°C / ODB: 35°C

** IDB: 29°C / IWB: 19°C / ODB: 46°C

**** Refer detailed pipe size chart in the IO Manual for capacity multiplier w.r.t pipelength



Notes



The new degree of comfort.™



Notes



The new degree of comfort.™



Notes



The new degree of comfort.™





The new degree of comfort.™

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.