Richard Rheem and Donald Rheem, formed Rheem Manufacturing Company in 1920.

Began producing automatic gas storage water heater in 1930.

Was involved with wartime production in the early 1940s.

Rheem debuted its first consumer national advertising campaign in 1950.
1960 • Introduced “Rheemaire” central AC and Heating
• Purchased Water heater business of RUUD

1990 • Paloma Industries of Nagoya, Japan bought Rheem

1994 • Became first company to adapt scroll compressor technology

2009 • First to introduce high efficiency Eco Friendly R410a systems

2012 • First to introduce integrated AC & water heating product, H₂AC

2015 • Introduced AC systems up to 20 SEER

2018 • First to Introduce Low height units from North America
25 factories (over 6 million sq. ft.), 7 R&D centers, 10 lab facilities with over 500 engineers/scientists

* AC and WH Division
Unique Industry Position

Water Heating

Air & Water

Air Conditioning

Refrigeration

The new degree of comfort.

Rheem

HTPG

Russell

Witt

ColdZone

Kramer
Base in North America

- Nuevo Laredo, MX – 700,000 SF
- Fort Smith, AR – 900,000 SF
- Nuevo Laredo, MX – 200,000 SF
- Nuevo Laredo, MX – 700,000 SF
- Randleman, NC – 150,000 SF
- Lewisville, TX – 700,000 SF
- Lewisville, TX – 50,000 SF
- Atlanta, GA
- Oxnard, CA – 250,000 SF
- Lewisville, TX – 700,000 SF
- Nuevo Laredo, MX – 200,000 SF
A Brand with History in Middle East

- Serving in GCC since 35 year, Nearly 100 years in industry.
- Over 700,000 units installed. (Over 1.3 Million TON of AC capacity)
- Present across MENA region and Europe
Variable Refrigerant Flow Systems
Research & Design Approach

RHEEM PRODUCT DEVELOPMENT

360° +1 DESIGN PHILOSOPHY

Rheem takes a holistic 360° approach to product design, paying attention to the smallest detail to deliver the ultimate consumer product experience and dealer installation & serviceability experience.

Central to Rheem product design is our emphasis on key areas:

- 360° Performance™
- 360° Installability™
- 360° Serviceability™
- 360° Durability™
- 360° Integration™
—All DC Inverter VRF
Features to make your job easier

- Variable Evaporating Temp
- All Inverter/Precise Control
- Enhanced Sub cooling
- Eliminate abnormal noise
- Rapid Cooling/Heating
- Wide Operation Range
- Long piping length
- Self Diagnosis
- Auto Ref charging
- Auto dust removal
- Auto Snow blowing
- Auto Backup
- Auto Pump-Down
- Reliable components
- Refrigerant cooled PCB
- Compression ratio control
Features to make your job easier

360° Integration™

- Wireless Controllers
- Wired Controller
- Central Controller
- Centralized Control software
- BMS-Modbus
- BMS-Bacnet
- Wireless Network Control(Wifi)
Variable Evaporating Temp

All Inverter/Precise Control

Enhanced Sub cooling

Eliminate abnormal noise

Rapid Cooling/Heating

Wide Operation Range

Turbo mode

Low Evaporating Temp
- Lower Supply Air Temperature
- Faster Cooling

Basic mode

Default mode
- Balance comfort and efficiency

High efficiency mode

Higher Evaporating Temp
- High Efficiency
- High Sensible
Variable Evaporating Temp

All Inverter/Precise Control

Enhanced Sub cooling

Eliminate abnormal noise

Rapid Cooling/Heating

Wide Operation Range

Comfort in all season

Uninterrupted cooling at high ambient
Long piping length

Auto Ref charging

- Max. Total piping length — 1000m
- Max. Actual piping length — 240m
- Max. piping length from 1st indoor branch to the farthest indoor unit — 40m
- Max. Level difference between outdoor units — 5m
- Max. Level difference between indoor units — 30m
- Max. Level difference between ODU and IDU units — 110m

Suitable for all applications
Long piping length

Auto Ref charging

360° Installability™

Easy to install

Cost and time saving
Self Diagnosis

**Auto dust removal**

Auto Snow blowing

Auto Backup

Auto Pump-Down

Suitable for desert condition

Time and cost saving

Quick Service
Self Diagnosis
Auto dust removal
Auto Snow blowing
Auto Backup

**Auto Pump-Down**

360° Serviceability™

- Ease of service
- Save Refrigerant
- Time and Cost saving
Reliable components

Refrigerant cooled PCB

Compression ratio control

World Class components ensures system reliability

Increased Reliability

Less Component failures

Cost Saving on Service
Reliable components

**Refrigerant cooled PCB**

Compression ratio control

- The PCB is well cooled by the refrigerant, ensuring the system operates steadily even in tropical area.
- Frequency limit of inverter compressor can be relaxed, so that the output capacity of ODU can be higher than conventional products.
Wireless Controllers

Wired Controller

Central Controller

Centralized Control software

BMS-Modbus/Bacnet

Wireless Network Control (Wifi)

Billing System

Selection Software

- 8-Key touch button input
- Buzzer prompt tone function
- LCD+ white backlight;
- Display the Error codes
- Can control 16 IDUs
Wireless Controllers

Wired Controller

Central Controller

Centralized Control software

BMS-Modbus/Bacnet

Wireless Network Control (Wifi)

Billing System

Selection Software

- Touch Screen Centralized Control
- Multi-system Control (256 IDUs/64 Systems)
- Multiple units as a group or controlling each unit individually
- Fire Alarm Digital Input
Wireless Controllers
Wired Controller
Central Controller
Centralized Control software
BMS-Modbus/Bacnet
Wireless Network Control (Wifi)
Billing System
Selection Software
## Outdoor Units (Individual)

### MINI VRF OUTDOOR UNITS

<table>
<thead>
<tr>
<th>Capacity</th>
<th>10 kW</th>
<th>12 kW</th>
<th>14 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side Discharge</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MODULAR VRF OUTDOOR UNITS

<table>
<thead>
<tr>
<th>Capacity</th>
<th>25.2 kW</th>
<th>28.0 kW</th>
<th>33.5 kW</th>
<th>40.0 kW</th>
<th>45.0 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Discharge</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Outdoor Units (Systems)

#### CAPACITY RANGES

<table>
<thead>
<tr>
<th>Capacity Ranges</th>
<th>Outdoor Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/10/12HP</td>
<td>One Module</td>
</tr>
<tr>
<td>14/16HP</td>
<td>One Module</td>
</tr>
<tr>
<td>18/20/22/24/26/28/30/32HP</td>
<td>Two Modules</td>
</tr>
<tr>
<td>34/36/38/40/42/44/46/48HP</td>
<td>Three Modules</td>
</tr>
<tr>
<td>50/52/54/56/58/60/62/64</td>
<td>Four Modules</td>
</tr>
</tbody>
</table>

*Note: Images of outdoor units are not included in this text representation.*
Best In Class

Performance

Durability

Installability

Serviceability

Integration