



The new degree of comfort.®

# AIR-CONDITIONING COMFORT

BEYOND YOUR EXPECTATION



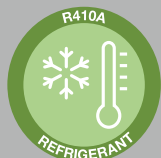
**ROOFTOP  
PACKAGED  
AIR CONDITIONER**



CONSUMER GUIDE

f i t @rheemmea

in RHEEM Middle East and Africa





WE DON'T MAKE PRODUCTS, WE PROVIDE

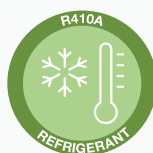
# SOLUTIONS

## SOLUTIONS FOR A **GREENER PLANET**

At Rheem®, providing The New Degree of Comfort® is about more than just product performance—it's about taking a higher degree of responsibility for future generations. That's why, from air to water and residential to commercial, our focus is on creating solutions that leave you feeling comfortable—and leave the planet a little better than we found it.

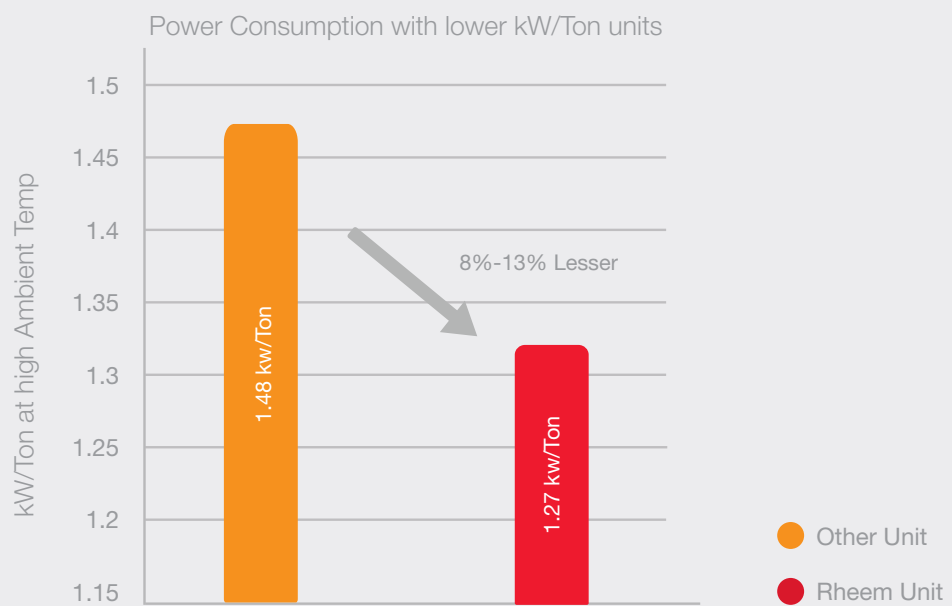
## SOLUTIONS FOR **EFFICIENT & EARTH FRIENDLY PRODUCTS**

We understand that with increased environmental concerns, R22 is becoming less popular. The production of R22 refrigerant contributes to the depletion of the ozone layer and adds to global warming. Rheem® always focuses on environmentally friendly, energy saving and high performance air conditioners and hence today most of Rheem®'s products are developed with R410A refrigerant. R410A refrigerant is highly efficient and has an Ozone Depletion Potential (ODP) of 0.





## SOLUTIONS FOR LOWER POWER CONSUMPTION



# RHEEM® TIMELINE



1925: Richard S. and Donald L. Rheem, formed Rheem Manufacturing Company

1925



1970: Rheem opens its Air Conditioning Division HDQ in Fort Smith, AK

1970: Rheem advertises central heating & air conditioning systems

1956

1956: Introduced the "Rheemaire" central air conditioning and



1970

1988: Paloma Industries of Nagoya, Japan, bought Rheem



1980: Rheem launches branch in Middle East

1980

1980: Rheem added heat pumps to its product lines



1994: Rheem was the first to adapt scroll compressor technology to its air conditioners

1990

1992: Rheem introduced the smallest gas furnace line in the industry



2009: Rheem was the first to introduce a complete line of 14 SEER condensing units and heat pumps

2009

2008: Rheem designed and produced the Prestige™ Series 18-SEER condensing unit



2010: Rheem SLKL Series Launched



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2010

2010: Rheem unveiled a multi-year rebranding initiative at the annual AHR, Expo that included an entirely new visual appearance for its products, a new website and a new tagline.



2012: Rheem launched the first (and only) award-winning commercial integrated air and water heating system - H2AC

2012

2012: Rheem MEA FZE is established in Dubai

2013

2013: Rheem began developing all-new product designs using its 360°+1 product development philosophy and introduced the residential condensing water heater



2016: Rheem launches the new residential AC Platform

2016

2016: Rheem established office in Saudi Arabia



2018: Rheem introduced Renaissance™ Xcede Series

2018

# QUICK RANGE GUIDE



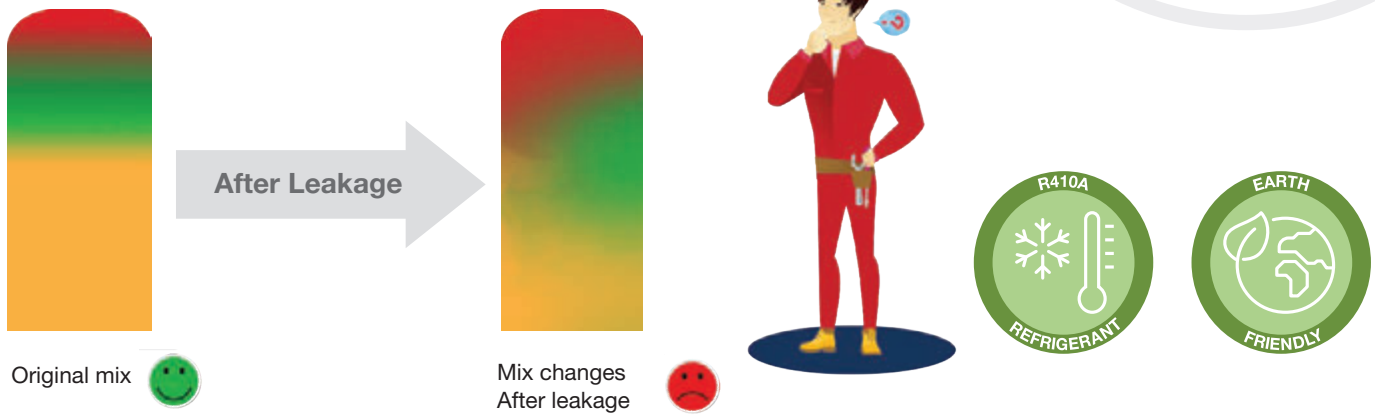
## Performance Test Report

Standard(s)	ISO 13253:2011 UAE.S 13253:2011 UAE.S 5010-5/2016 ANSI/AHRI 340/360-2015 State of Kuwait Ministry of Electricity and Water 26.6 C/19.4C ID and 48C OD Performance Test State of Kuwait Ministry of Electricity and Water 26.6 C/19.4C ID and 52 C OD 2-hour continuity test		
Model(s) Tested	EMRHRX078ANT		
		Brand Name	
Applicant	UL LLC	Manufacturer	Rheem Manufacturing Company
Country	USA	Country	USA

MODEL	Cooling Capacity (T1)	Cooling Capacity (T3)	Cooling Capacity (MEW)	Power input (T1)	Power input (T3)
EMRHRX042ANT	44,000	40,500	39,500	3,210	4,030
EMRHRX054ANT	55,000	52,000	50,000	4,150	5,100
EMRHRX066ANT	63,000	57,500	55,050	4,660	5,720
EMRHRX078ANT	82,200	75,300	74,000	6,960	7,940
EMRHRX102ANA	104,100	92,000	90,000	8,000	9,715
EMRHRX120ANA	120,000	107,500	105,000	9,485	11,335

# R407C LEAKAGE COMPLEXITY

- R407C is a mixture of three refrigerants.
- These refrigerants have different boiling and condensing temperatures at the same pressure.
- In case of leakage of refrigerant, only one or two out of three refrigerant leaks, which changes the refrigerant mix and hence reduces the Cooling and Efficiency.



## Advantages of using R410A vs R407C Refrigerant

R410A	R407C
<p>Lesser Cost of Servicing: No leakage complexity and hence no need to completely recharge the refrigerant</p>	<p>Increased Cost of Servicing: Due to Leakage Complexity complete recharge of the refrigerant is required</p>
<p>Longer life of System: Need lesser lubricating oil which makes the system more reliable</p>	

Power input (MEW)	EER (T1)	EER (T3)	EER (MEW)	KW/Ton (MEW)	Dimensions (LxWXH)mm
4,200	13.71	10.05	9.38	1.28	1498x838x940
5,290	13.25	10.20	9.45	1.27	1498x838x940
5,940	13.52	10.05	9.30	1.29	1498x838x940
8,130	11.81	9.48	9.09	1.32	1498x838x940
1,004	13.01	9.47	8.96	1.34	2012x1554x1250
1,170	12.65	9.48	8.96	1.34	2012x1554x1250

# AIR-CONDITIONING SOLUTION

BEYOND YOUR EXPECTATION

## HIGH PERFORMANCE

- Better cooling with Bigger Cooling Coil
- Lower Sound with Larger Cooling Blower
- Improved Cooling with lesser electricity consumption in peak summer, with Bigger Condenser Coil & Fan Size

## ENHANCED DURABILITY

- Higher Protection for Condenser Coil from Sand and Debris, with Sand Trap Louvered Jacket
- Enhanced Corrosion Resistance with 1008 hrs of salt spray tested-painted panels
- Longer Compressor life, Thermostatic Expansion Valve
- Rheem® Promise of Durability, with North American Scroll Compressor
- Critical Components made in North America.

## SERVICEABILITY

- QWIK CLEAN SLIDE OUT DRAIN PAN
- Protected Service Port Access







**High-efficiency Scroll Compressor**



**Larger Blower and Fan Base**



**Metallic Louver Jacket**



**Protected Service Port**



**QWIK CLEAN SLIDE OUT DRAIN PAN**





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Founded in 1925, Rheem® is nearly a 100 year old North American manufacturer delivering innovative, energy-efficient air conditioning and water heating solutions under one roof 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® built everywhere in the world is held to the same high standard of excellence.



Learn more at : [www.rheem—mea.com](http://www.rheem—mea.com)