

14.5 SEER RAPM Condensing Unit

Prestige
SERIES

Classic
SERIES



Product Marketing



2009 Condensing Unit Line Logic

Standard Efficiency

13 SEER



RANL-JEZ

RANL-JAZ

13AJA/13AJL

High Efficiency

14.5 SEER



RAPM-JEZ

RAPM-JAZ

14AJM

Ultra High Efficiency

16 SEER



RARL-JEC

18 SEER



RASL-JEC

Communicating



Prestige
SERIES

Classic
SERIES



Product Marketing



14.5 SEER RAPM Condensing Unit

RAPM Description Summary

- 14.5+ Single Stage Condensing Unit
- 14.5 SEER / 12 EER "Coil Only"
- Meets the New 2009 **EnergyStar** requirements in all tonnages
- Qualifies for Federal Tax Rebate (Select Models)
- Offered with optional Comfort Control System™
- Environmentally Friendly R410A Refrigerant
- 208/230 1-Phase



Nominal Capacities

APM-018JAZ / EZ
APM-024JAZ / EZ
APM-030JAZ / EZ
APM-036JAZ / EZ
APM-042JAZ / EZ
APM-048JAZ / EZ
APM-060JAZ / EZ



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MODEL NUMBER BREAKDOWN

R A P M – 036 J A Z

COMPRESSOR

Z = Scroll

VARIATIONS

A = Fully Featured

E = With Comfort Control System

ELECTRICAL

J = 208-230 V / 60 Hz / 1 Phase

COOLING CAPACITY (BTU/H)

018 = 18,000 042 = 42,000

024 = 24,000 048 = 48,000

030 = 30,000 060 = 60,000

036 = 36,000

REFRIGERANT USED

M = R 410A Design Series

SYSTEM EFFICIENCY

P = 14 SEER

SYSTEM TYPE

A = Condensing Unit

TRADE BRAND

R = Rheem



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Feature Comparison

<u>14.5 SEER AC Unit</u>	<u>RAPM-JEZ</u>	<u>RAPM-JAZ</u>	<u>14AJM</u>
HTSV* Rating (SEER)	14.5 – 16.0	14.5 - 16.0	14.5 - TBA
Target Market	Premium	Retrofit	RNC
Branding	Prestige	Classic	Rheem
Comfort Control System™	X		
Sound Blanket	X		
Unit Replacement Warranty	X		
Start Assist	X		
H/L Pressure Controls	X	X	
Filter Drier	X	X	
End Panel Access	X	X	
Labor Allowance	X	X	X
Cabinet Design	Rectangle	Rectangle	Cube
Compressor	Scroll	Scroll	Scroll
Warranty	10/10	10/5	10/5
Refrigerant	R410A	R410A	R410A

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Performance Overview

	APM-018		APM-024		APM-030		APM-036		APM-042		APM-048		APM-060	
	SEER	EER	SEER	EER	SEER	EER	SEER	EER	SEER	EER	SEER	EER	SEER	EER
Coil Only Rating	14.5	12.2	14.5	12.6	14.6	12.6	14.5	12.2	14.5	12.1	14.5	12.3	14.5	12.7
PSC Motor - *HSL	15.0	12.7	14.5	13.0	14.5	12.9	14.5	12.4	14.5	12.1	14.5	12.3	13.5	12.2
X-13 Motor - *HLL	16.0	13.9	16.0	14.3	16.0	14.0	15.5	13.3	15.5	13.1	15.5	13.4	15.0	13.5
V-Speed - *HKL	16.0	13.8	16.0	13.9	16.0	13.8	15.5	13.2	15.5	13.0	15.5	13.3	15.0	13.4
BHP (CHL)	16.0	13.6	14.0	12.3	15.0	13.4	15.0	12.9	15.0	12.9	15.0	12.6	NA	NA
V Speed Furnaces	16.0	13.8	16.0	13.9	16.0	14.4	15.5	13.5	15.5	13.2	15.0	12.6	14.5	12.7

Selling Story

Product Marketing



Most Serviceable Unit in the Industry

- Industry Exclusive Top & Side Service Accessibility: Compressor and controls isolated from the air stream for quick, unobstructed access.
- 2 Screw, End Panel Access
- Enclosed Control Box
- Diagnostic label/chart Located on Service Panel (-JEZ)
- Grill Mounted Condenser Fan
- Removable Top Panel / Grille for Coil Access
- Easy access service valves
- Compressor Cover on -JEZ models

-JAZ



-JEZ



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Federal Tax Credit Rebate Program



American Recover & Reinvestment Act 2009

- Up to \$1,500 Federal tax credit for select system installations
- AC Systems with minimum 16 SEER / 13 EER
- RAPM qualifies 1.5 – 2.5 nominal tonnages (Select furnace combinations)
- RAPM qualifies 1.5 – 2.5 nominal tonnages (select air handler combinations)
- System must be installed during 2009-2010 (does not apply to 2008)
- Visit www.Rheemac.com for filing details and tax credit forms

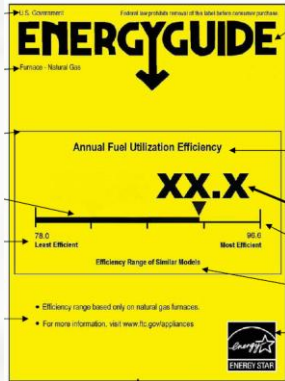


Energy Star Certification

RAPM meets "NEW" 2009 standard in all nominal sizes*

Split System minimum 14.5 SEER / 12 EER

Clearly Labeled on all Consumer Literature, Marketing Material and Equipment EnergyGuide label*



*Applies to RAPM condensing units listed on ARI w/highest tested sales volume combination

Lowest Profile Unit in its Class



Classic

RAPM	Height "H" (Inches)
-018	19"
-024, -030	29"
-036, -042, -048, -060	33"

Product Marketing



Competitive Warranties

RAPM-***JEZ

- W/Rheem Specified Match
 - ✓ 10 Year Compressor
 - ✓ 10 Year Parts
 - ✓ 5 Year Conditional Unit Replacement
 - ✓ 10 Year Warranty on variable speed air handler, Mod90 or 2-stage, variable speed 80% furnaces when installed with -JEZ.



RAPM-***JAZ

- W/Rheem Specified Match
 - ✓ 10 Year Compressor
 - ✓ 5 Year Parts

Protection Plus Extended Warranty Program

- Offers "Piece of Mind" to the Homeowner

Product Marketing



Exclusive Comfort Control System™

- Advanced Diagnostics and Active System Protection
- Sealed Switch / Optical Arc Detection Relay
- Call for Service Notification with L Terminal T-stat
- Conditional Unit Replacement Guarantee
- CCS Installed in -JEZ Models Only



Easy to Read
Diagnostic Display

Homeowner Alert



Product Marketing



Active Protection

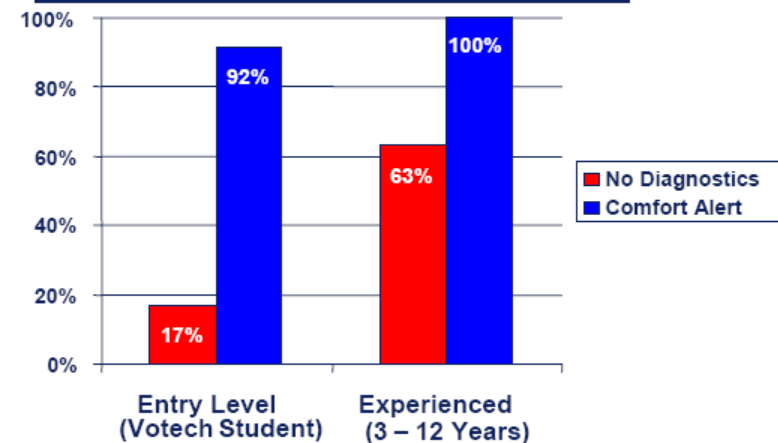
- Monitors:
 - Compressor Current
 - System Pressure Switches
 - System Voltage
- Takes Unit Off-Line if an Undesirable Condition Occurs
- Provides Homeowner “Peace of Mind” that Warning Can Occur Before Compressor Failure that Could Lead to Additional Expenses



Advanced Diagnostics

- **Integrated Compressor Control (“Comfort Alert”)**
 - Independent compressor and fan control
 - Anti-short cycle protection (3 minute)
 - Minimum run time (30 seconds)
 - 7-segment LED display
 - H/L pressure switch monitoring
 - Power and control voltage monitoring
 - Active protection integrated into the control
 - 6 fault recall even with power loss memory
 - Test button for operation and start-up diagnostics
 - Flash diagnostic codes to room T-stat w/L Terminal

Troubleshooting Accuracy Study

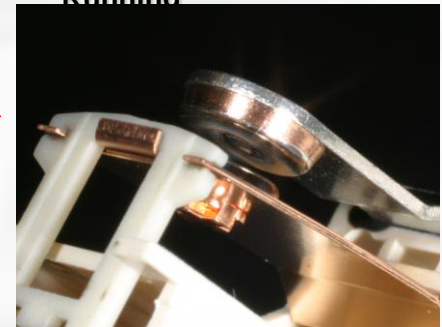


Intelligent Sealed Contactor

- Opens Compressor Contact at Optimum Time
- Protects from Insects
- Virtually Eliminates Contactor Pitting
- Benefits
 - Improves Compressor Reliability
 - Improves Reliability for Homeowner's "Peace of Mind"



287K Cycles Still Running



302K Cycles Still Running

Sealed Contactor

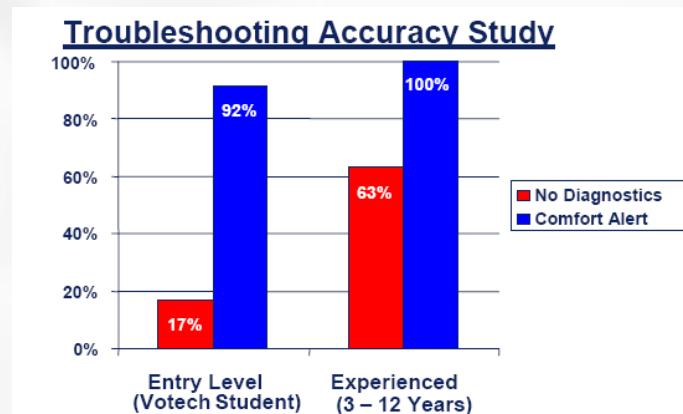


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Comfort Control System™ - Summary

- Reliability
 - Increased diagnostic capability
 - Promotes Scheduled Service
 - Increased Customer Satisfaction
- Lower Cost of Ownership
 - Fewer Call Backs with Improved Repair Accuracy
 - Lower Repair Costs
 - Longer Service Life



Flexible Indoor Solutions

- Highest Tested Sales Volume Coil Match-up (14.5 SEER / 12 EER)
- Alternate rating with CQD/CHL coils

Unit	Coil
RAPM-018	RCFL-H*2417A*
RAPM-024	RCFL-H*2417A*
RAPM-030	RCFL-H*3617A*
RAPM-036	RCFL-H*3617A*
RAPM-042	RCFL-H*4821A*
RAPM-048	RCFL-H*4821A*
RAPM-060	RCFL-H*6024A*



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- Select Match-ups with complete line of award winning 80% & 90% furnaces
 - Efficiencies up to 16 SEER with select variable speed furnaces

Check Engineering Specification Data for specific Furnace Matchups

Flexible Indoor Solutions

- **HSL**

- PSC Motor – Standard Efficiency
- Multi-position
- 5 Year Parts Warranty

- **HLL**

- X13 Motor - High Efficiency
- Multi-position
- 5 Year Parts Warranty

- **HKL**

- ECM, Variable Speed, High Efficiency
- Multi-position
- 10 Year Parts Warranty when matched with –JEZ “Prestige” outdoor unit



- ✓Installer selectable auxiliary heat
- ✓Low profile height: 42.5” – 55”
- ✓“N” coil design

- **BHP**

- X13 Motor
- Low Profile (35” Height)
- Multi-position

Positioning Summary

Product Marketing



Rheem Positioning Summary

Selling Story

- Comfort
 - Single stage cooling
 - Multi-stage heating option
 - TXV metering for precise control
 - Comprehensive selection of Rheem branded programmable thermostats
- Quiet
 - Sound limiting compressor blanket (-JEZ Only)
 - 3 bladed condenser fan
 - ECM condenser fan motor
- Improved IAQ
 - Selectable low fan speed
 - Variable speed blower option
 - Constant air circulation for enhanced air filtration



Rheem Positioning Summary

Selling Story

- High Efficiency
 - SEER up to 16, EER up to 14.3
 - EnergyStar Certified
 - Federal Tax Credit rebate eligible
- Dependability/Reliability
 - *Comfort Control System™ control board on -JEZ models*
 - Dependable scroll compressor
 - 10 Year compressor warranty
 - 10 Year parts warranty -JEZ / 5 Years -JAZ
 - 5 Year condition unit replacement guarantee (-JEZ models)
 - 1000-hour salt spray test
 - Drawn, painted base pan for corrosion resistance
 - Louvered panels for coil protection
 - Optional Low Ambient Controls



RAPM Condensing Unit Resources

More Information?

Product Technical Support Library @ www.Rheemote.net

Installation and Operation Instructions

- Specification Sheet
- Warranty Cards
- Product Literature
- Technical Bulletins
- ...and More

Product Marketing Presentation

- www.Rheemote.net
- Departments/Product Marketing & Development

The Training Network @ www.thetrainingnetwork.com/rheemproduct

- RAPM Product Orientation Presentation

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