



Air Conditioning & Heating

A HOMEOWNER HVAC GUIDE: REPAIR VS. REPLACE?

DID YOU KNOW:
The HVAC industry is
moving away from
R-410A refrigerant?

*Goodman
has selected*

R32

refrigerant.

**Is it time to
upgrade your
system?**



In 2020, the U.S. Congress enacted the American Innovation and Manufacturing (AIM) Act to mandate the phase-down from higher global warming potential (GWP) refrigerants such as R-410A. Among other advancements, the law* ushers in the use of lower GWP alternative refrigerants.

With the refrigerant change, and modern HVAC technologies, it may be time to upgrade your HVAC system. This guide can help homeowners, like yourself, navigate the changes with confidence.

Scan to learn more about
R-32 vs. R-410A:



R-32 has:

ZERO

*OZONE DEPLETION
POTENTIAL (ODP), LIKE R-410A.*

68% LOWER GWP

*(GLOBAL WARMING POTENTIAL)
THAN R-410A REFRIGERANT.*

LESS IMPACT

*ON THE ENVIRONMENT THAN R-410A
BECAUSE IT HAS A LOWER GWP.*



Repair or Replace?

Homeowners dealing with cooling or heating issues face the difficult decision to repair or replace their existing system. Fortunately, with our industry-leading technology, and our network of trusted contractors, Goodman can help you make the best choice!



Is it time to upgrade your system?

#1 Look for the signs

HVAC systems that are near the end of their warranty life, already past their warranty life, or showing signs of not working as efficiently as before are candidates for replacement.

The **system checklist** to the right covers good things to go over with your contractor.

#2 Compare the costs

If you're paying for frequent repairs, you may be better off in the long run to go ahead and replace your system.

Contemplating a Repair? Use the **quick guide** to the right to see if it's time!

System Checklist:

- Is your system under warranty?
- How many years remain on your warranty?
- Are you the original homeowner?
- How long do you plan to live in your home?
- How often has your system been repaired?
- What refrigerant is in your system?
- Do you have rooms that aren't comfortable?
- Do you feel your electric bill is expensive?
- Do you think your system is too noisy?
- How do you rate your overall comfort level?

Quick guide - repair vs. replace?

1. Age of system (yrs): _____
2. Cost of repair: _____
3. Multiply #1 and #2: _____

If the total is greater than \$5,000, it's probably time to replace!

Why repairing may no longer be the best solution:

Costs, Repairs, & Issues

- Recharging your system with older refrigerants may be expensive as refrigerants are phased out.
- Multiple repair visits can be (and become more) costly as older system parts may be harder to find.
- R-32 and R-410A components may not be compatible.
- Refrigerant incompatibility may result in the system not working.



What are the Benefits of a New System?

Next-Generation Comfort + Innovative Technology.

Modern HVAC systems offer innovative features like variable-speed inverter compressors, smart thermostats, and zoning for better humidity control, quieter operation, and overall comfort. Let's take a look at some others...

Energy Savings

Upgrading to a more efficient system, one with a higher Seasonal Energy Efficiency Ratio (SEER2) than your existing system, can help you lower your energy bills.

Finance Support

Affordable financing options are more accessible now than ever. You can enjoy modern comfort with manageable monthly payments. Just ask your contractor how to get started!

Rebates or Other Incentives

Take advantage of local utility, state or national rebates and incentives with a complete system replacement.

Smart Service Plans

Many contractors now offer new annual maintenance plans to ensure your system hits annual and/or seasonal service milestones, plus continues running at peak performance for years to come!

Overall Peace-of-mind

When a complete system is installed and registered, your warranty coverage starts fresh, giving you years of peace of mind knowing your system is protected under warranty.*

**Limited warranties vary by product model. Some states/regions may not require registration. Learn more by scanning the QR code to the right.*



Scan to
learn more:



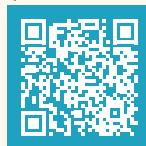
Goodman
Air Conditioning & Heating

A Modern Heat Pump is Efficient, Quiet, and Reliable.

The two main components, an indoor, and an outdoor unit, are connected by refrigerant lines and control wiring. The cooling process draws heat from the inside and moves it outside. In the winter, the outdoor unit draws heat energy inside. This operation is more efficient and environmentally friendly since you're not burning fossil fuels. The modern heat pump can also be controlled remotely by an app for maximum convenience.



HEAT PUMP HEATING OPERATION VISUAL



**SCAN TO
LEARN MORE**

ADDITIONAL INFORMATION

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

Why

R32

New Goodman systems use R-32 refrigerant for its next generation low GWP refrigerant. From our smallest ductless products, to our unitary and packaged air conditioners and heat pumps, low GWP R-32 benefits homes and businesses across the USA.

PROVEN.

- USED IN **130 COUNTRIES** FOR **10+ YEARS**
- OVER **230 MILLION** INSTALLED WORLDWIDE
- **50+ COMPANIES** MAKING R-32 PRODUCTS

EASY.

R-32 IS EASY TO **REUSE, RECLAIM, RECYCLE,** AND **SERVICE**.*

EFFICIENT.

- UP TO **18% MORE EFFICIENT** THAN R-410A*
- ENABLES **EXCELLENT PERFORMANCE** IN EXTREME CLIMATES

AVAILABLE.

- **WIDELY AVAILABLE** COMMODITY
- **MANUFACTURED BY NUMEROUS** PRODUCERS

Reference:

*18% improved HSPF rating with *ATMOSPHERA* heat pump systems versus previous R-410A models.

+ R-32 is a pure, single component refrigerant as compared to R-410A and R-454B.