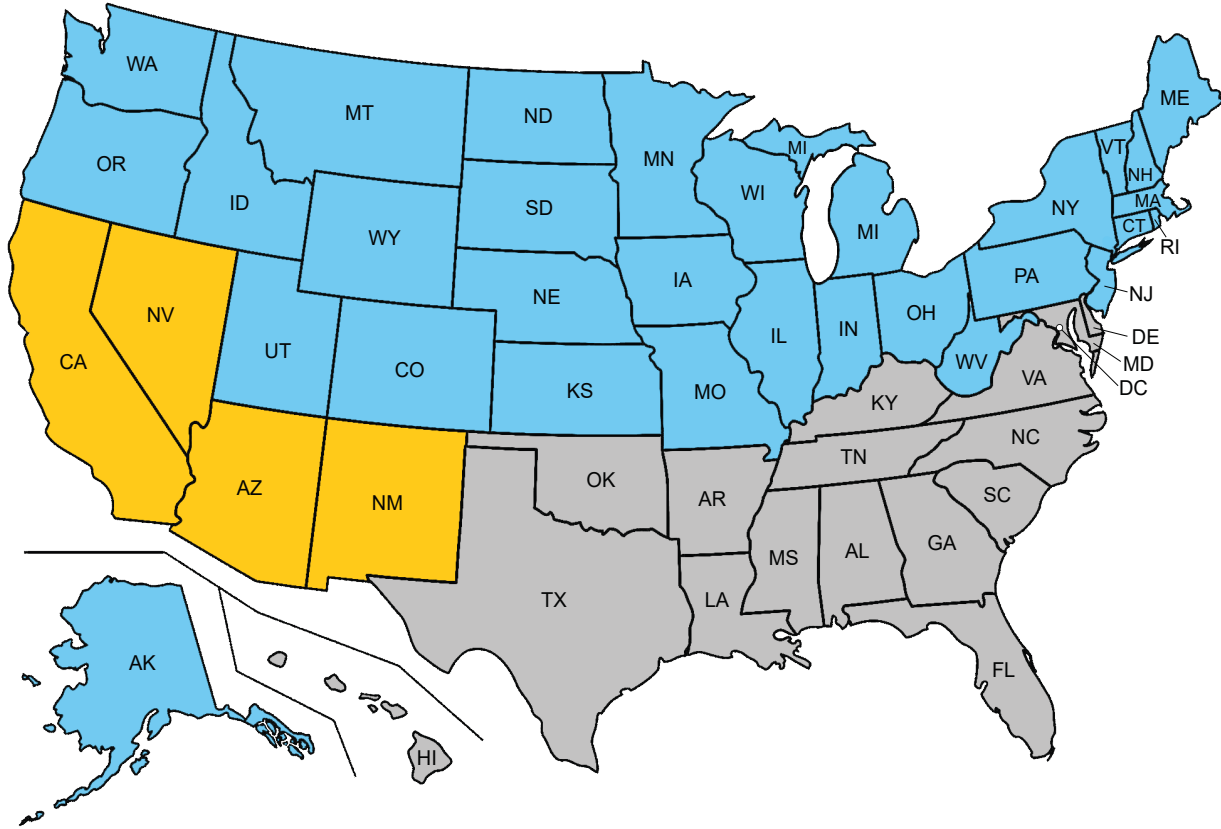




Evolving DOE Efficiency Standards (2023)



2015-22 AC Efficiency Standards

Product Style	North	Southeast	Southwest	
	SEER	SEER	SEER	EER
Split AC < 45MBH	13.0	14.0	14.0	11.7
Split AC ≥ 45MBH	13.0	14.0	14.0	11.2
Pkg'd AC	14.0	14.0	14.0	11.0



2023 Air Conditioning Efficiency Standards

Product Style	North		Southeast		Southwest			
	SEER2	SEER	SEER2	SEER	SEER2	SEER	EER2	EER
Split AC < 45MBH	13.4	14.0	14.3	15.0	14.3-15.1	15.0	11.7	12.2
					≥15.2	N/A	9.8	10.2
Split AC ≥ 45MBH	13.4	14.0	13.8	14.5	13.8-15.1	15.0	11.2	11.7
					≥15.2	N/A	9.8	10.2
Pkg'd AC	13.4	14.0	13.4	14.0	13.4	14.0	10.6	11.0

2015-22 HP Efficiency Standards

Product Style	SEER	EER	HSPF
Split System HPs	14.0	None	8.2
Packaged HPs	14.0	None	8.0



2023 Heat Pump National Efficiency Standards

Product Style	SEER2	SEER	EER2	EER	HSPF2	HSPF
Split System HPs	14.3	15.0	None	N/A	7.5	8.8
Packaged HPs	13.4	14.0	None	N/A	6.7	8.0

13&14 SEER AC condensers can only be installed in the **North DOE Region!**



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Evolving DOE Efficiency Standards (2023)

WHY THE CHANGE

The Energy Policy and Conservation Act (EPCA) of 1975 gave the U.S. Department of Energy (DOE) authority to develop, revise, and implement minimum energy conservation standards for appliances and equipment. This legislation also requires the DOE to periodically amend energy conservation standards for certain equipment, if the amendments are energy-saving, technologically feasible, and economically justifiable.

WHAT CHANGED

- ❏ The new “M1” standard changes how cooling systems are tested by the manufacturer and agencies, prompting the need for the new SEER2, EER2, and HSPF2 performance metrics.
- ❏ If only efficiency changed, Split System SEER minimums basically increase by 1-point. Packaged system minimums did not change, but they must also use the new performance metrics.

WHAT THOSE CHANGES MEAN

- ❏ **14SEER Revolv Split System Air Conditioners CANNOT be installed in the Southeast and Southwest DOE regions after 12/31/2022.**
- ❏ **14SEER Revolv Packaged Air Conditioners CANNOT be installed in the Southwest DOE region after 12/31/2022.**
- ❏ 13SEER Revolv Split System Air Conditioners manufactured prior to 1/1/2023 can continue to be installed in the North DOE region, indefinitely.
- ❏ Revolv Packaged and Split System Heat Pumps manufactured prior to 1/1/2023 can continue to be installed nationally, indefinitely.
- ❏ When a discontinued condenser is installed or replaced, the entire split system must then meet the latest DOE minimum efficiency (by product style & region), while an indoor coil-only is only considered a replaceable service component.

PREPARE FOR AGENCY CHANGES WITH REVOLV

- ❏ Revolv M1-2023, South-AC condensers can be installed in both Southeast AND Southwest DOE Regions, to minimize stocking items.
- ❏ Current Revolv M1-2023 condenser models have also been designed to be compliant with UL 60335-2-40 HVACR Electrical Safety Standard, effective 1/1/2024.
- ❏ Equipment manufacturers will only be able to produce R-410A equipment through 12/31/2024. Thereafter, only mildly-flammable, A2L refrigerants can be used in production, similar to the R-22 phase-out. Revolv equipment will then utilize R-454B.