

**THE CHANGE****NEW REGULATORY REQUIREMENTS**

On January 1, 2023, the Department of Energy's new minimum efficiency standards will go into effect. The changes include:

- › The minimum efficiencies for all new split air conditioners, heat pumps, packaged units, and ductless will change
- › A more rigorous testing standard (known as the 'M1 Standard') will produce new efficiency rating metrics

These changes may present new complexities, but Trane® is committed to leading our industry in compliance and is prepared to support our partners every step of the way.

**Why The Change?**

Every six years, the Department of Energy reviews energy use of certain home appliances and mechanical systems in an ongoing effort to reduce overall energy consumption in the United States. If it is determined that an increase in energy efficiency requirements is justified, higher requirements are put into effect.

**New Testing Standards**

The new testing procedure (the M1 Standard) increases the external static pressure at which ratings are calculated by up to 5 times the static pressure used in today's test procedure, effectively reducing the rated efficiency of equipment for both heating and cooling. The heating load line has also been redefined. This new load line will favor variable speed systems and will therefore have a larger negative impact on 1-stage and 2-stage HSPF ratings. The ratings created by the new M1 Standard will be published using new ratings nomenclatures: SEER2, EER2, and HSPF2.

**RESOURCES****WE'RE PREPARED TO SUPPORT YOU**

Throughout 2022, resources will be made available to provide education on the regulatory changes; awareness of product phase in/out timelines; and updated consumer product literature.



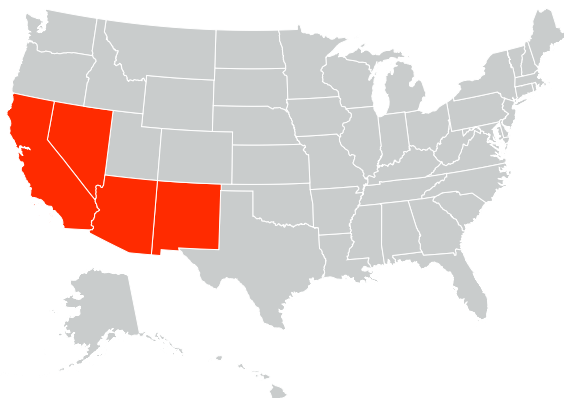
Training and  
E-learning courses



Updated consumer  
product literature



Updated Product  
Handbook



## New Minimum Efficiency Standards

The new 2023 system efficiency minimums may differ by product type and in some cases, system rated capacity.

The following chart outlines your regional standards for ducted and ductless split system air conditioners, split system heat pumps, single-packaged air conditioners and single-packaged heat pumps. Split air conditioners that do not meet the new 2023 M1 Standards will not be allowed to be installed on or after January 1, 2023. Split heat pumps and single-packaged products manufactured prior to January 1, 2023, may be installed on or after January 1, 2023.

	CURRENT M STANDARDS (EST. 2015)	NEW 2023 M1 STANDARDS	ENFORCEMENT
<b>SPLIT SYSTEM AIR CONDITIONERS</b> (Including Ductless)	14 SEER   12.2 EER	< 45k BTU: 14.3 SEER2   11.7* EER2 (Equivalent to 15 SEER and 12.2 EER)  ≥ 45k BTU: 13.8 SEER2   11.2* EER2 (Equivalent to 14.5 SEER and 11.7 EER)	Units that do not meet the new M1 requirements cannot be installed on or after January 1, 2023.
<b>SPLIT SYSTEM HEAT PUMPS</b> (Including Ductless)	14 SEER   8.2 HSPF	14.3 SEER2   7.5 HSPF2 (Equivalent to 15 SEER and 8.8 HSPF)	Units manufactured before January 1, 2023 may be installed indefinitely.
<b>SINGLE-PACKAGED AIR CONDITIONERS</b>	14 SEER   11 EER	13.4 SEER2   10.6 EER2 (Equivalent to 14 SEER and 11 EER)	Units manufactured before January 1, 2023 may be installed indefinitely.
<b>SINGLE-PACKAGED HEAT PUMPS</b>	14 SEER   8 HSPF	13.4 SEER2   6.7 HSPF2 (Equivalent to 14 SEER and 8 HSPF)	Units manufactured before January 1, 2023 may be installed indefinitely.

\*9.8 EER2 applies if SEER2 is ≥ 15.2

## INNOVATING FOR A SUSTAINABLE FUTURE

As an industry leader in home comfort and HVAC innovation, Trane® is committed to energy-efficient solutions and reducing our customers' carbon footprint through innovation.

We approach this commitment through continuous low-emissions product development; working with channel partners to increase adoption of high-efficiency and connected systems; and educating and supporting homeowners to understand and act upon benefits of highly efficient, responsible systems.