

## CEE<sup>SM</sup> Residential Heating and Cooling Systems Initiative Electric Equipment Specifications

**Scope:** Input Rating ≤65,000 BTU/h

SEER2, EER2, HSPF2, 5°F, 17°F, and 47°F values shall be measured per the US Department of Energy test procedure at Title 10 of the Code of Federal Regulations, Part 430, Subpart B, Appendix M1<sup>1</sup>.

### Effective January 1, 2026

2026 CEE Split CAC Specification			
Level	SEER2	EER2	Load Management <sup>†</sup>
CEE Tier 1	≥ 17.0	≥ 12.0	AHRI 1380

2026 CEE Packaged CAC Specification			
Level	SEER2	EER2	Load Management <sup>†</sup>
CEE Tier 1	≥ 16.0	≥ 11.5	AHRI 1380

<sup>†</sup> Systems that are in scope for [AHRI 1380 \(I-P 2019\): Demand Response through Variable Capacity HVAC Systems in Residential and Small Commercial Applications](#) must comply with the standard. Compliance is manufacturer-reported until a certification becomes available. Programs can ensure that all systems be available as a load management resource, regardless of whether they are in scope for AHRI 1380.

2026 CEE Split ASHP Specification						
CEE Level	SEER2	EER2	HSPF2	COP at 5°F*	Capacity Ratio <sup>~</sup>	Load Management <sup>†</sup>
CEE Tier 1						
Path A	≥ 16.0	≥ 9.8	≥ 8.5	≥ 1.75	≥ 65% at 5°F/47°F	AHRI 1380
Path B	≥ 16.0	≥ 11.0	≥ 8.0	≥ 1.75	≥ 50% at 5°F/47°F	AHRI 1380
CEE Advanced Tier	Refer to the <a href="#">DOE Cold Climate Heat Pump Challenge Specification</a> (see Note below)					

2026 CEE Packaged ASHP Specification						
CEE Level	SEER2	EER2	HSPF2	COP at 5°F*	Capacity Ratio <sup>~</sup>	Load Management <sup>†</sup>
CEE Tier 1	≥ 15.2	≥ 10.0	≥ 7.2	≥ 1.75	≥ 45% at 5°F/47°F	AHRI 1380

\* Variable speed equipment must pass a Controls Verification Procedure (CVP). This may be either the [ENERGY STAR Cold Climate Heat Pump CVP](#) for models meeting the [ENERGY STAR cold climate heat pump requirements](#), or the DOE CVP as specified at [10CFR429.134, paragraph \(k\)\(4\)](#). After July 7, 2026, all variable speed equipment must pass the DOE CVP.

<sup>~</sup> Heating capacity ratio is calculated as heating capacity at 5 °F to the heating capacity at 47 °F, which for variable speed systems is the HINom heating capacity and for all other systems is the HIFull heating capacity.

<sup>1</sup> <https://www.ecfr.gov/current/title-10/chapter-II/subchapter-D/part-430/subpart-B/appendix-Appendix%20M1%20to%20Subpart%20B%20of%20Part%20430>

† Systems that are in scope for *AHRI 1380 (I-P 2019): Demand Response through Variable Capacity HVAC Systems in Residential and Small Commercial Applications* must comply with the standard. Compliance is manufacturer-reported until a certification becomes available. Programs can ensure that all systems be available as a load management resource, regardless of whether they are in scope for AHRI 1380.

**Path A** criteria are intended for heating dominated applications and whole home electrification scenarios

**Path B** criteria are intended for cooling dominated applications and partial displacement scenarios (e.g., dual fuel heating systems)

Note regarding the DOE Cold Climate Heat Pump Challenge Specification:

DOE has shared with CEE a corrected version of the table of example calculations in Appendix B (page 32 in the referenced specification), correcting results to align with the equations given in the specification. Corrected values are shown in red.

	Example 1	Example 2	Example 2
<b>Appendix M1 Measurements</b>			
H1 <sub>N</sub> Capacity (Btu/h)	36,000	36,000	36,000
H1 <sub>1</sub> Capacity (Btu/h)	13,500	13,500	13,500
Power Input (W)	220	220	220
COP (W/W)	17.98	17.98	17.98
HSPF2 (Region V)	8.8	8.8	8.8
<b>Verification Test Measurements</b>			
Min/Mild Capacity (Btu/h)	18,000	15,000	13,800
Power Input (W)	391	275	250
COP (W/W)	13.49	15.99	16.18
Capacity Difference (%)	33.3%	11.1%	2.2%
Turndown Gap (%)	12.5%	4.2%	0.8%
COP* <sub>H1<sub>1r</sub></sub>	17.17	17.71	17.93
Capacity Factor	0.0125	0.0042	0.0000
COP Factor	0.0429	0.0195	0.0195
Adjusted HSPF2 Requirement	8.98	8.70	8.67
Model Passes HSFP2 Requirement?	NO	YES	YES