

CEE UNITARY AIR-CONDITIONING SPECIFICATION

High-Efficiency Commercial Air Conditioning & Heat Pumps Initiative

Revised January 22, 2007

CEE periodically revises its specifications. See www.cee1.org for the most recent version.
For Terms and Conditions of these specifications, see www.cee1.org/terms.php3

Equipment Type	Size Category	Sub-Category	CEE Tier 1	CEE Tier 2	CEE Tier 3
Air Conditioners, Air Cooled (Cooling Mode)	<65,000 Btu/h	Split System	13.0 SEER 11.6 EER	14.0 SEER 12.0 EER	15.0 SEER 12.5 EER
		Single Package	13.0 SEER 11.3 EER	14.0 SEER 11.6 EER	15.0 SEER 12.0 EER
	≥65,000 Btu/h and <135,000 Btu/h	Split System and Single Package	11.0 EER 11.4 IPLV	11.5 EER 11.9 IPLV	12.0 EER 12.4 IPLV
	≥135,000 Btu/h and <240,000 Btu/h	Split System and Single Package	10.8 EER 11.2 IPLV	11.5 EER 11.9 IPLV	12.0 EER 12.4 IPLV
	≥240,000 Btu/h and <760,000 Btu/h	Split System and Single Package	10.0 EER 10.4 IPLV	10.5 EER 10.9 IPLV	10.8 EER 12.0 IPLV
	≥760,000 Btu/h	Split System and Single Package	9.7 EER 10.1 IPLV	9.7 EER 11.0 IPLV	10.2 EER 11.0 IPLV
Air Conditioners, Water and Evaporatively Cooled	<65,000 Btu/h	Split System and Single Package	14.0 EER	No specification*	No specification*
	≥65,000 Btu/h and <135,000 Btu/h	Split System and Single Package	14.0 EER	No specification*	No specification*
	≥135,000 Btu/h	Split System and Single Package	14.0 EER	No specification*	No specification*

SEER – Seasonal Energy Efficiency Ratio

EER – Energy Efficiency Ratio

IPLV – Integrated Part Load Value

*At this time, CEE is not establishing higher tier levels for this equipment size due to limited availability.

NOTES:

- For electrical resistance heating section types, increase required minimum EER by 0.2.
- Tier 1 reflects upcoming federal minimum standards that take effect in 2010. Prior to this time the CEE high-efficiency specifications will be revised.
- Integrated Partial Load Values are for 2007 and may be revised as new test procedures come into effect.

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CEE UNITARY HEAT PUMP SPECIFICATION

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Equipment Type	Size Category	Sub-Category	CEE Tier 1	CEE Tier 2	CEE Tier 3
Air Cooled (Cooling Mode)	<65,000 Btu/h	Split System	13.0 SEER 11.6 EER	14.0 SEER 12.0 EER	15.0 SEER 12.5 EER
		Single Package	13.0 SEER 11.3 EER	14.0 SEER 11.6 EER	15.0 SEER 12.0 EER
	≥65,000 and <135,000 Btu/h	Split System and Single Package	11.0 EER 11.4 IPLV	11.5 EER 11.9 IPLV	12.0 EER 12.4 IPLV
	≥135,000 and <240,000 Btu/h	Split System and Single Package	10.8 EER 11.2 IPLV	11.5 EER 11.9 IPLV	12.0 EER 12.4 IPLV
	≥240,000 and <760,000 Btu/h	Split System and Single Package	10.0 EER 10.4 IPLV	10.5 EER 10.9 IPLV	10.8 EER 12.0 IPLV
Air Cooled, (Heating Mode)	<65,000 Btu/h	Split System	8.0 HSPF	8.5 HSPF	9.0 HSPF
		Single Package	7.5 HSPF	8.0 HSPF	8.5 HSPF
	≥65,000 and <135,000 Btu/h	47°F db/43°Fwb Outdoor Air	3.4 COP	No specification*	No specification*
		17°F db/15°Fwb Outdoor Air	2.4 COP	No specification*	No specification*
	≥135,000 Btu/h	47°F db/43°Fwb Outdoor Air	3.2 COP	No specification*	No specification*
		17°F db/15°Fwb Outdoor Air	2.1 COP	No specification*	No specification*
Water Source (Cooling Mode)	<135,000 Btu/h	85° Entering Water	14.0 EER	No specification*	No specification*
Water Source (Heating Mode)	<135,000 Btu/h	70° Entering Water	4.6 COP	No specification*	No specification*

SEER – Seasonal Energy Efficiency Ratio
HSPF – Heating Seasonal Performance Factor
COP – Coefficient of Performance

EER – Energy Efficiency Ratio
IPLV – Integrated Part Load Value

*At this time, CEE is not establishing higher tier levels for this equipment size due to limited availability.

NOTES:

1. For electrical resistance heating section types, increase required minimum EER by 0.2.
2. Tier 1 reflects upcoming federal minimum standards that take effect in 2010. Prior to this time the CEE high-efficiency specifications will be revised.
3. Integrated Partial Load Values are for 2007 and may be revised as new test procedures come into effect.

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