

Revisions to the Unitary Air Conditioning And Heat Pump Specification

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Working Together, Advancing Efficiency

CEE High Efficiency Commercial Air-Conditioning (HECAC) Initiative launched in 1993.

Goal:

- To encourage the proper installation and widespread use of high-efficiency air conditioners and heat pumps in commercial buildings.

Program Components:

- Unitary AC and HP Specification
- HVAC Quality Installation Guidelines (March 2001)

Participation:

- Today, 32 CEE Members are promoting the HECAC Initiative.



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Committee recognized a need to revise the current Unitary AC and HP efficiency parameters.

- Upcoming federal minimums closely resemble current tier promoted in Initiative.
- Last revision to specification was done in 2002 based upon market conditions at that time.
- Recent innovations in design can attain additional energy savings ranging approximately from 5-15%.



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Proposed Unitary AC Specification

Category (Btu/h)		UNITARY AC EQUIPMENT		
		CEE Tier I (Current Tier II)	CEE Tier II	CEE Tier III
< 65,000	Split	13 SEER 11.6 EER	14 SEER 12 EER	15 SEER 12.5 EER
	Packaged	13 SEER 11.3 EER	14 SEER 11.6 EER	15 SEER 12 EER
≥65,000 and <135,000		11.0 EER 11.4 IPLV	11.5 EER 11.9 IPLV	12.0 EER 12.4 IPLV
≥135,000 and <240,000		10.8 EER 11.2 IPLV	11.5 EER 11.9 IPLV	12.0 EER 12.4 IPLV
≥240,000 and <760,000		10.0 EER 10.4 IPLV	10.5 EER 10.9 IPLV	10.8 EER 12.0 IPLV
≥760,000		9.7 EER 10.1 IPLV	9.7 EER 11.0 IPLV	10.2 EER 11.0 IPLV



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Proposed Unitary HP Specification

Category (Btu/h)		UNITARY HP EQUIPMENT		
		CEE Tier I (Current Tier)	CEE Tier II	CEE Tier III
< 65,000	Split	8.0 HSPF	8.5 HSPF	9.0 HSPF
	Packaged	7.5 HSPF	8.0 HSPF	8.5 HSPF
≥65,000 and <135,000		3.4 COP 2.4 COP	----	----
≥135,000		3.2 COP 2.1 COP	----	----



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