

CEESM Commercial Unitary AC and HP Specification

Effective January 6, 2012

UNITARY AIR CONDITIONING SPECIFICATION

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

Equipment Type	Size Category	Heating Section Type	Subcategory	CEE Tier 0	CEE Tier 1	CEE Tier 2	Test Procedure	
Air Conditioners, Air Cooled (Cooling Mode)	<65,000 Btu/h	All	Split System	NA	14.0 SEER 12.0 EER	15.0 SEER 12.5 EER	AHRI 210/240	
			Single Package	NA	14.0 SEER 11.6 EER	15.0 SEER 12.0 EER		
	≥65,000 Btu/h and <135,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	11.7 EER 11.8 IEER	11.7 EER 13.0 IEER	12.2 EER 14.0 IEER	AHRI 340/360	
		All Other	Split System and Single Package	11.5 EER 11.6 IEER	11.5 EER 12.8 IEER	12.0 EER 13.8 IEER		
	≥135,000 Btu/h and <240,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	11.7 EER 11.8 IEER	11.7 EER 12.5 IEER	12.2 EER 13.2 IEER		
		All Other	Split System and Single Package	11.5 EER 11.6 IEER	11.5 EER 12.3 IEER	12.0 EER 13.0 IEER		
	≥240,000 Btu/h and <760,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	10.5 EER 10.6 IEER	10.5 EER 11.3 IEER	10.8 EER 12.3 IEER		
		All Other	Split System and Single Package	10.3 EER 10.4 IEER	10.3 EER 11.1 IEER	10.6 EER 12.1 IEER		
	≥760,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	9.9 EER 10.0 IEER	9.9 EER 11.1 IEER	10.4 EER 11.6 IEER		
		All Other	Split System and Single Package	9.7 EER 9.8 IEER	9.7 EER 10.9 IEER	10.2 EER 11.4 IEER		
	Air Conditioners, Water Cooled	<65,000 Btu/h	All	Split System and Single Package	NA	14.0 EER	NA*	AHRI 210/240

	≥65,000 Btu/h and <135,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	NA	14.0 EER 15.3 IEER	NA*	AHRI 340/360
		All Other	Split System and Single Package	NA	13.8 EER 15.1 IEER	NA*	
	≥135,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	NA	14.0 EER 14.8 IEER	NA*	
		All Other	Split System and Single Package	NA	13.8 EER 14.6 IEER	NA*	
Air Conditioners, Evaporatively Cooled	<65,000 Btu/h	All	Split System and Single Package	NA	14.0 EER	NA*	AHRI 210/240
	≥65,000 Btu/h and <135,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	NA	14.0 EER 15.3 IEER	NA*	AHRI 340/360
		All Other	Split System and Single Package	NA	13.8 EER 15.1 IEER	NA*	
	≥135,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	NA	13.5 EER 14.3 IEER	NA*	
		All Other	Split System and Single Package	NA	13.3 EER 14.1 IEER	NA*	

SEER—Seasonal Energy Efficiency Ratio IEER - Integrated Energy Efficiency Ratio
EER—Energy Efficiency Ratio

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

NOTE Initiative Participants have the option to promote the full-load metric or part-load metric or both metrics in this specification as the basis for their participation in the CEE Commercial Unitary AC and HP Initiative.

CEE UNITARY HEAT PUMP SPECIFICATION

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Equipment Type	Size Category	Heating Section Type	Subcategory	CEE Tier 0	CEE Tier 1	CEE Tier 2	Test Procedure	
Air Cooled (Cooling Mode)	<65,000 Btu/h	All	Split System	NA	14.0 SEER 12.0 EER	15.0 SEER 12.5 EER	AHRI 210/240	
			Single Package	NA	14.0 SEER 11.6 EER	15.0 SEER 12.0 EER		
	≥65,000 and <135,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	11.3 EER 11.4 IEER	11.3 EER 12.3 IEER	NA*	AHRI 340/360	
		All Other	Split System and Single Package	11.1 EER 11.2 IEER	11.1 EER 12.1 IEER	NA*		
	≥135,000 and <240,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	10.9 EER 11.0 IEER	10.9 EER 11.9 IEER	NA*		
		All Other	Split System and Single Package	10.7 EER 10.8 IEER	10.7 EER 11.7 IEER	NA*		
	≥240,000 and <760,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	10.3 EER 10.4 IEER	10.3 EER 10.9 IEER	NA*		
		All Other	Split System and Single Package	10.1 EER 10.2 IEER	10.1 EER 10.7 IEER	NA*		
	Air Cooled, (Heating Mode)	<65,000 Btu/h	-	Split System	NA	8.5 HSPF	9.0 HSPF	AHRI 210/240
			-	Single Package	NA	8.0 HSPF	8.5 HSPF	
≥65,000 and <135,000 Btu/h		-	47°F db/43°Fwb Outdoor Air	NA	3.4 COP	NA*	AHRI 340/360	
		-	17°F db/15°Fwb Outdoor Air	NA	2.4 COP	NA*		
≥135,000 Btu/h		-	47°F db/43°Fwb Outdoor Air	NA	3.2 COP	NA*		
		-	17°F db/15°Fwb Outdoor Air	No specification	2.1 COP	NA*		
Water Source (Cooling Mode)	<135,000 Btu/h	All	86° Entering Water	No specification	14.0 EER	NA*	ISO-13256-1	
Water Source (Heating Mode)	<135,000 Btu/h	-	68° Entering Water	No specification	4.6 COP	NA*	ISO-13256-1	

SEER—Seasonal Energy Efficiency Ratio
EER—Energy Efficiency Ratio
HSPF— Heating Seasonal Performance Factor

IEER—Integrated Energy Efficiency Ratio
COP—Coefficient of Performance

*At this time, CEE is not establishing higher tier levels for this equipment size due to limited availability as indicated by the AHRI Directory of Certified Product Performance.

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VARIABLE REFRIGERANT FLOW MULTISPLIT AIR CONDITIONER SPECIFICATION

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Equipment Type	Size Category	Heating Section Type	Subcategory	CEE Tier 1	CEE Tier 2	Test Procedure
VRF Air Cooled (Cooling Mode)	<65,000 Btu/h	All	Multisplit System	14.0 SEER 12.0 EER	15.0 SEER 12.5 EER	AHRI 1230
	≥65,000 and <135,000 Btu/h	Electric Resistance (or None)	Multisplit System	11.7 EER 14.9 IEER	NA	
	≥135,000 and <240,000 Btu/h	Electric Resistance (or None)	Multisplit System	11.7 EER 14.4 IEER	NA	
	≥240,000 Btu/h	Electric Resistance (or None)	Multisplit System	10.5 EER 13.0 IEER	NA	

SEER—Seasonal Energy Efficiency Ratio
EER—Energy Efficiency Ratio
HSPF— Heating Seasonal Performance Factor

IEER—Integrated Energy Efficiency Ratio
COP—Coefficient of Performance

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VARIABLE REFRIGERANT FLOW MULTISPLIT HEAT PUMP SPECIFICATION

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Equipment Type	Size Category	Heating Section Type	Subcategory	CEE Tier 1	CEE Tier 2	Test Procedure
VRF Air Cooled (Cooling Mode)	<65,000 Btu/h	All	Multisplit System	14.0 SEER 12.0 EER	15.0 SEER 12.5 EER	AHRI 1230
	≥65,000 and <135,000 Btu/h	Electric Resistance (or None)	Multisplit System	11.3 EER 14.2 IEER	NA	
			Multisplit System with Heat Recovery	11.1 EER 14.0 IEER	NA	
	≥135,000 and <240,000 Btu/h	Electric Resistance (or None)	Multisplit System	10.9 EER 13.7 IEER	NA	
			Multisplit System with Heat Recovery	10.7 EER 13.5 IEER	NA	
	≥240,000 Btu/h	Electric Resistance (or None)	Multisplit System	10.3 EER 12.5 IEER	NA	
			Multisplit System with Heat Recovery	10.1 EER 12.3 IEER	NA	
	VRF Air Cooled, (Heating Mode)	<65,000 Btu/h	-	Multisplit System	8.5 HSPF	
≥65,000 and <135,000 Btu/h		-	47°F db/43°Fwb Outdoor Air	3.4 COP	NA	
			17°F db/15°Fwb Outdoor Air	2.4 COP	NA	
≥135,000 Btu/h		-	47°F db/43°Fwb Outdoor Air	3.2 COP	NA	
			17°F db/15°Fwb Outdoor Air	2.1 COP	NA	
VRF Water Source (Cooling Mode)		<135,000 Btu/h	All	Multisplit System 86° Entering Water	14.0 EER	NA
	Multisplit System with Heat Recovery 86° Entering Water			13.8 EER	NA	
VRF Water Source (Heating Mode)	<135,000 Btu/h		68° Entering Water	4.6 COP	NA	

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