TABLE 2 TO § 431.97—MINIMUM HEATING EFFICIENCY LEVELS—Continued

Product	Category	Cooling capacity	Sub-category	Efficiency level [1]	
				Products manufactured until October 29, 2003	Products manufactured on and after October 29, 2003
Large Commercial Packaged Air Conditioning Package and Heating Equipment.	Air Cooled	≥135,000 Btu/h and <240,000 Btu/h.	Split System and Single Package.	COP = 2.9	COP = 2.9.
Packaged Terminal Heat Pumps.	All	All	All	COP = 1.3+(0.16 × the applicable minimum cooling EER prescribed in Table 1—Minimum Cooling Efficiency Levels).	COP = 1.3+(0.16 × the applicable minimum cooling EER prescribed in Table 1—Minimum Cooling Efficiency Levels).

[1] For units tested by ARI standards, all COP values must be rated at 47 °F outdoor dry-bulb temperature for air-cooled products, and at 70 °F entering water temperature for water-source heat pumps. For heat pumps tested by the ISO Standard 13256–1, the COP values must be obtained at the rating point with 20 °C (68 °F) entering water temperature.

(b) Commercial package air conditioning and heating equipment manufactured on or after January 1, 2010, shall have Energy Efficiency Ratio and Coefficient of Performance no less than:

Product	Cooling capacity (Btu/h)	Category	Efficiency level†
Small commercial package air-conditioning and heating equipment (air-cooled).	≥65,000 and <135,000	AC	EER = 11.2* EER = 11.0**
		HP	EER = 11.0* EER = 10.8**
Large commercial package air-conditioning and heating equipment (air-cooled).	≥135,000 and <240,000	AC	EER = 11.0* EER = 10.8**
		HP	EER = 10.6* EER = 10.4**
Very large commercial package air-conditioning (air-cooled).	≥ 240,000 and <760,000	AC	EER = 10.0* EER = 9.8**
		HP	EER = 9.5* EER = 9.3**
Small commercial package air-conditioning heat pump.	≥65,000 and <135,000	HP	COP = 3.3
Large commercial package air-conditioning heat pump.	≥135,000 and <240,000	HP	COP = 3.2
Very large commercial package air-conditioning heat pump.	≥ 240,000 and <760,000	HP	COP = 3.2

* This EER level applies to equipment that has electric resistance heat or no heating.
** This EER level applies to equipment with all other heating-system types that are integrated into the unitary equipment.
†EER at a standard temperature rating of 95 °F dry-bulb and COP at a high temperature rating of 47 °F dry-bulb.

[69 FR 61969, Oct. 21, 2004, as amended at 70 FR 60415, Oct. 18, 2005; 70 FR 61698, Oct. 25, 2005]

Subpart G—Commercial Water Heaters, Hot Water Supply Boilers and Unfired Hot Water Storage Tanks

SOURCE: 69 FR 61983, Oct. 21, 2004, unless otherwise noted.

§ 431.101 Purpose and scope.

This subpart contains energy conservation requirements for certain commercial water heaters, hot water supply boilers and unfired hot water storage tanks, pursuant to Part C of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6311–6317.

[69 FR 61983, Oct. 21, 2004, as amended at 70 FR 60415, Oct. 18, 2005]