

**5.6.5 Residential Air Conditioner and Heat Pump Cooling Efficiencies (1)**

<u>Equipment Type</u>	<u>Efficiency Parameter</u>	<u>2000 U.S. Average New Efficiency</u>	<u>2004 Best-Available New Efficiency</u>
Air Conditioners	SEER	10.95	19.5
Heat Pump - Cooling			
Air-Source	SEER	11.21	18.6
Ground-Source	EER	13.50	31.5
Heat Pump - Heating			
Air-Source	HSPF	7.50	10.6
Ground-Source	COP	3.40	6.3

Note(s): 1) Federal appliance standards effective January 1, 1992 require a minimum SEER of 10.

Source(s): ARI ratings for best-available in 2004; ARI, Statistical Profile of the Air-Conditioning, Refrigeration, and Heating Industry, Apr. 2001, p. 28 for shipment-weighted SEERs; and EIA, Technology Forecast Updates, October 2001 for heat pump data.