

Table 4.3 Average cooling efficiency for geothermal heat pump shipments, 2008 and 2009
(average energy efficiency ratio)

Year	Model Type			
	ARI-320	ARI-325/330	ARI-870	Other Non-ARI Rated
2008	13.1	19.5	17.5	13.5
2009	14.6	20.4	18.2	14.3

ARI-320 = Water-Source Heat Pumps.

ARI-325 = Ground Water-Source Heat Pumps.

ARI-330 = Ground Source Closed-Loop Heat Pumps.

ARI-870 = Direct Geexchange Heat Pumps.

Notes: One ton of capacity is equal to 12,000 Btus per hour.

Efficiency is expressed as btus of output per watt-hours of input. The greater the EER the more efficient the unit.

Source: U.S. Energy Information Administration (EIA), Form EIA-902, "Annual Geothermal Heat Pump Manufacturers Survey."