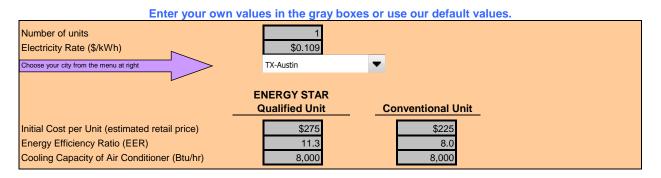
Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. www.energystar.gov



## Life Cycle Cost Estimate for 1 ENERGY STAR Qualified Room Air Conditioner(s)

This energy savings calculator was developed by the U.S. EPA and U.S. DOE and is provided for estimating purposes only. Actual energy savings may vary based on use and other factors.



## Annual and Life Cycle Costs and Savings for 1 Room Air Conditioner(s)

	1 ENERGY STAR Qualified Unit(s)	1 Conventional Unit(s)	Savings with ENERGY STAR
Annual Operating Costs		<u>.</u>	
Energy cost	\$186	\$263	\$77
Energy consumption (kWh)	1,708	2,412	704
Maintenance cost	\$0	\$0	\$0
Total	\$186	\$263	\$77
Life Cycle Costs			
Operating costs (energy and maintenance)	\$1,383	\$1,953	\$570
Energy costs	\$1,383	\$1,953	\$570
Energy consumption (kWh)	15,368	21,708	6,340
Maintenance costs	\$0	\$0	\$0
Purchase price for 1 unit(s)	\$275	\$225	-\$50
Total	\$1,658	\$2,178	\$520

\* Annual costs exclude the initial purchase price. All costs, except initial cost, are discounted over the products' lifetime using a real discount rate of 4%. See "Assumptions" to change factors including the discount rate.

<sup>†</sup> A simple payback period of zero years means that the payback is immediate.

## Summary of Benefits for 1 Room Air Conditioner(s)

Initial cost difference	\$50
Life cycle savings	\$570
Net life cycle savings (life cycle savings - additional cost)	\$520
Simple payback of additional cost (years)	0.7
Life cycle energy saved (kWh)	6,340
Life cycle air pollution reduction (lbs of CO <sub>2</sub> )	9,763
Air pollution reduction equivalence (number of cars removed from the road for a year)	1
Air pollution reduction equivalence (acres of forest)	1
Savings as a percent of retail price	189%