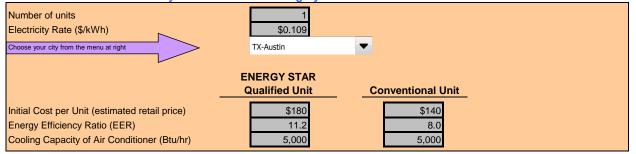
Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. www.energystar.gov



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.

Enter your own values in the gray boxes or use our default values.



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 [*]			
Energy cost	\$117	\$164	\$47
Energy consumption (kWh)	1,077	1,508	431
Maintenance cost	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total	\$117	\$164	\$47
Life Cycle Costs*			
Operating costs (energy and maintenance)	\$872	\$1,221	\$349
Energy costs	\$872	\$1,221	\$349
Energy consumption (kWh)	9,691	13,568	3,876
Maintenance costs	\$0	\$0	\$0
Purchase price for 1 unit(s)	<u>\$180</u>	\$140	-\$40
Total	\$1,052	\$1,361	\$309

^{*} 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.

Summary of Benefits for 1 Room Air Conditioner(s)

Initial cost difference	\$40
Life cycle savings	\$349
Net life cycle savings (life cycle savings - additional cost)	\$309
Simple payback of additional cost (years)	0.9
Life cycle energy saved (kWh)	3,876
Life cycle air pollution reduction (lbs of CO ₂)	5,970
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	172%

[†] A simple payback period of zero years means that the payback is immediate.