



Save-T® Pool Covers

1-800-447-2838

www.coverpools.com

Energy Analysis and Savings Calculation Worksheet

This worksheet helps calculate the energy and chemical savings from a **Save-T®** pool cover.

Enter data		
1. Enter your city, then enter the city with the most similar weather patterns, listed on the accompanying chart.	1. CITY City used for calculation	
2. Enter pool size in square feet. (The accompanying chart uses an average pool size of 1000 sq. ft.)	2. POOL SIZE (SQ. FT.) Size used for calculation	1000 sq. ft.
3. Enter quoted cover price.	3. COVER PRICE	
4. Look up and enter the seasonal heat cost, with the cover, without the cover, and the savings from the accompanying chart for the closest city and pool size.	4. SEASONAL HEAT COST a. without cover b. with cover c. heat cost savings	
5. Look up and enter the seasonal chemical cost with the cover, without the cover, and the savings.	5. SEASONAL CHEMICAL COST a. without cover b. with cover c. chemical cost savings	
6. Enter an amount based on your own calculations for any or all of the items at the bottom of this page.	6. ADDITIONAL ANNUAL SAVINGS*	
7. Add line 4c, 5c and 6 to get total savings.	7. TOTAL ANNUAL SAVINGS	
8. Multiply line 7, total annual savings, by 5 to get the 5-year savings total.	8. TOTAL 5-YEAR SAVINGS	
9. Subtract line 9, total 5-year savings, from line 3, total purchase price.	10. TOTAL 5-YEAR NET COST OF OWNING A POOL COVER	

***Estimated additional benefits include:**

- Saved lives (priceless)
- Reduced water evaporation (90%)
- Reduced electricity usage (60%)
- Reduced wear and tear on pool equipment (200%)
- Reduced maintenance time (200%)
- Eliminated cost of having an alternative solar or winter cover (\$500 min.)



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Annual Energy and Chemical Savings with a Pool Cover

City	Season	Months used	Gas heating cost without a cover (\$)			Gas heating cost with a cover (\$)			Heat pump cost without a cover (\$)			Heat pump cost with a cover (\$)			Chemical cost without a cover (\$)	Chemical cost with a cover (\$)	Chemical savings (\$)
			78°	80°	82°	78°	80°	82°	78°	80°	82°	78°	80°	82°			
Atlanta, GA	4/1-10/31	7	1704	2248	2880	320	424	592	840	1110	1425	155	205	290	275	82	193
Boston, MA	5/1-8/31	4	1712	2096	2504	232	328	461	875	1075	1280	120	165	235	256	77	179
Chicago, IL	5/1-9/30	5	1621	2072	2536	216	296	384	810	1035	1270	105	150	195	262	79	183
Dallas, TX	4/1-10/31	7	1512	1920	2456	184	280	408	760	970	1240	90	140	205	275	82	193
Denver, CO	5/1-8/31	4	1757	2120	2498	123	168	243	875	1055	1245	70	100	150	256	77	179
Kansas City, MO	5/1-10/31	6	1434	1872	2384	288	416	544	715	935	1185	145	205	270	268	81	187
Los Angeles, CA	5/1-10/31	6	1864	2376	2904	168	304	472	950	1210	1485	85	155	240	268	81	187
Miami, FL	1/1-12/31	12	2136	2848	3600	416	584	800	1100	1460	1845	215	300	410	377	113	264
Minneapolis, MN	6/1-9/30	4	1331	1776	2176	192	248	384	660	850	1040	100	125	190	256	77	179
New York, NY	5/1-9/30	5	1448	1904	2384	208	296	400	740	975	1220	105	150	200	262	79	183
Phoenix, AZ	3/1-10/31	8	1384	1776	2216	96	168	256	680	875	1090	45	85	125	377	113	264
San Francisco, CA	6/1-8/31	3	1560	1856	2168	192	320	472	800	950	1110	95	165	240	250	75	175
Seattle, WA	6/1-8/31	3	1525	1784	2056	304	424	552	770	900	1035	150	215	280	250	75	175

1000 sq. ft. outdoor pool heated with an 80% efficient natural gas heater at \$.50 per therm

1000 sq. ft. outdoor pool heated with an air-to-water heat pump with an average COP of 5.0 at \$0.85/kwh

The chemical savings calculation is based on data obtained through the National Weather Service, APSP, Service Industry News, N.A.R.U.C. et al. The energy savings calculation is based on data obtained from the website of the Department of Energy, Energy Efficiency and Renewable Energy (www.eere.energy.gov). This chart is for estimation only; actual savings may vary.



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Energy Analysis and Savings

What source of information was used to determine the heat and chemical costs on the chart?

The U.S. Department of Energy, Energy Efficiency and Renewable Energy website at www.eere.energy.gov.

Are the savings the same with a Step-Saver manual as with a Save-T 3 cover?

The same chart is used to determine savings for both the Save-T 3 automatic cover and the Step-Saver manual cover. Since both covers are designed to be used on a daily basis, the savings should be the same if the usage patterns are the same.

Why are the chemical usage numbers the same regardless of pool size?

Sources on chemical usage provided us with averages without indicating pool size.

What if the pool usage is different than what you have shown on the chart?

Heat and chemical savings amounts for each pool size have only been calculated for the number of months in use listed on the chart for each particular city. No activity for additional months has been taken into consideration. Adding or subtracting from the "months in use" will need to be calculated in, using the instructions on the bottom front of the worksheet.

How accurate are the savings calculations?

Savings may vary due to swimming pool usage and how often the cover is kept closed when the pool is not in use. Local utility costs could also increase or decrease the savings.

What is line #6 used for?

To enter a dollar amount of your own calculation for any or all of the additional benefit items at the bottom of the worksheet.

When adding or subtracting extra months to personalize the worksheets to your clients specific swimming season habits, why do the extra months added appear to cost more than the core months listed on the chart?

This is because the core months on the chart are the warmest months of the year in each particular city. It costs less to heat the pool during these months. When adding additional months, it would only be logical that heating a pool in October would cost more than heating it in July.

How was the cost of heating figured?

Based on information from the NARUC, a nationwide average cost per therm of 63¢ was used.

Please note: For the Step-Saver, Worksheet B actually results in negative cost of ownership for most cities--a FREE cover!