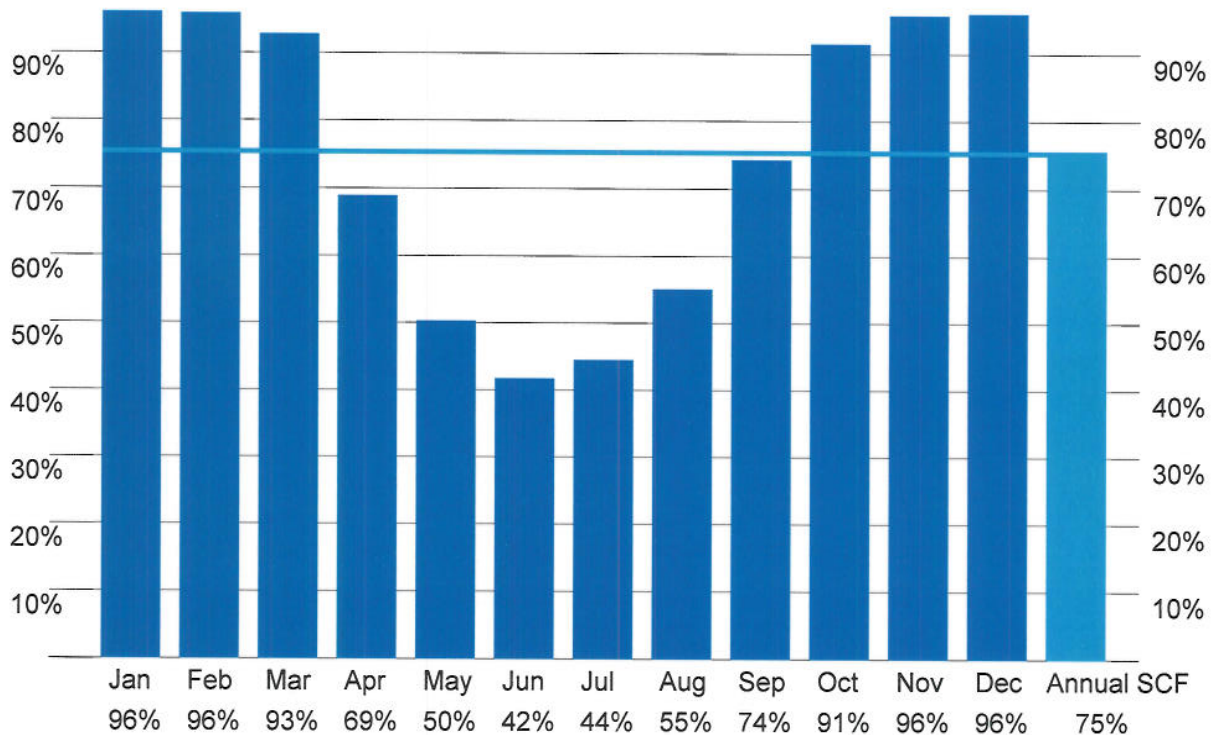


# Solahart Technical Services, Welshpool, Western Australia.....,

## Energy Savings with Solahart 302K

Location.. Cape Town Latitude.. 34° S Inclination.. 30° Orientation .. North



**Total energy from the sun.....4331 kWh/year under average conditions.\*\*\***

**Savings relative to a 150 litre electric water heater.\*\***

**Average use 280 Litres/day at 60°C ( 47 MJ/day)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Radiation	28.98	25.81	21.46	15.23	10.69	8.89	9.68	12.46	17.42	22.36	27.25	29.27	MJ/m <sup>2</sup> .day
Ambient	21.8	22.1	19.4	17.3	16.8	15.2	14.2	14.5	15.5	17.5	19.4	20.8	°C
Cold Water	26.0	25.5	24.5	20.0	16.5	14.0	13.5	14.5	16.5	20.0	23.0	25.0	°C
Solar Input	14.96	14.93	14.55	10.94	7.98	6.66	7.15	8.86	11.87	14.53	15.01	15.06	kWh/day
Boost input	2.3	2.41	4.14	17.84	28.54	33.69	32.21	26.04	14.87	4.91	2.49	2.31	kWh/day
Electric HWS*	12.5	12.7	13.1	15.0	16.5	17.6	17.8	17.4	16.5	15.0	13.7	12.9	kWh/day
Energy saved	11.9	12.0	12.0	10.0	8.6	8.2	8.9	10.1	12.4	13.6	13.0	12.3	kWh/day
	368	337	371	301	266	247	275	314	371	423	391	380	kWh/month

**Total Annual Savings on Energy Use vs. an Electric water heater.....4044 kWh/year**

\* 150 litre electric water heater container loss of 1.98 kWh/day.

\*\* Estimated savings are calculated with hot water use distributed throughout the day.

27/06/2008

**Solahart Industries Pty Ltd**

A Southcorp Company.

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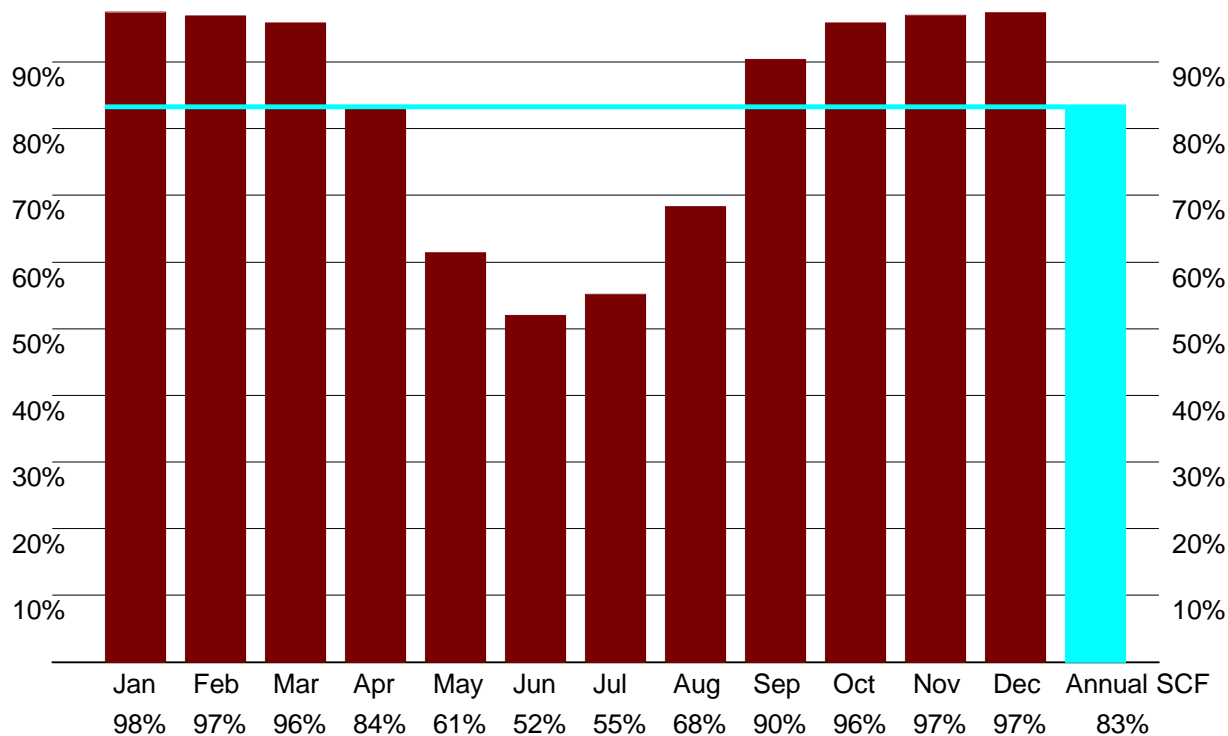


ACN 064 945 848

# Solaheat Services CC, 72 Zwaanswyk Road, Tokai

## Energy Savings with Solahart 302KF

Location.. Cape Town Latitude.. 34° S Inclination.. 20° Orientation .. North



**Total energy from the sun.....4184 kWh/year under average conditions.\*\*\***

**Savings relative to a150 litre electric water heater.\*\***

**Average use 238 Litres/day at 60°C ( 40 MJ/day)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Radiation	28.98	25.81	21.46	15.23	10.69	8.89	9.68	12.46	17.42	22.36	27.25	29.27	MJ/m <sup>2</sup> .day
Ambient	21.8	22.1	19.4	17.3	16.8	15.2	14.2	14.5	15.5	17.5	19.4	20.8	°C
Cold Water	26.0	25.5	24.5	20.0	16.5	14.0	13.5	14.5	16.5	20.0	23.0	25.0	°C
Solar Input	13.26	13.18	13.23	11.61	8.6	7.33	7.78	9.63	12.75	13.33	13.39	13.34	kWh/day
Boost input	0.34	0.42	0.57	2.3	5.39	6.76	6.34	4.48	1.35	0.57	0.41	0.36	kWh/day
Electric HWS*	10.85	11.03	11.39	13.06	14.39	15.36	15.55	15.16	14.39	13.06	11.94	11.21	kWh/day
Energy saved	10.51	10.61	10.83	10.76	9.0	8.6	9.22	10.69	13.04	12.49	11.53	10.86	kWh/day
	326	297	336	323	279	258	286	331	391	387	346	337	kWh/month

Total Annual Savings on Energy Use vs. an Electric water heater. ... 14025 MJ/year = 3896 kWh/year  
*Reduction in Carbon Di-Oxide Emmissions.5.1Tonnes / Year (From a Coal Fired Power station)*

\* 150 litre electric water heater container loss of 1.98 kWh/day.

\*\* Estimated savings are calculated with hot water use distributed throughout the day.

2007/02/27

**Solaheat Services CC**

Solahart SA

Corporate Headquarters: 112 Pilbara Street, Welshpool, Western Australia 6106. Postal Address: P.O. Box 95, Welshpool, Western Australia 6986.



ABN 45 064 945 848

