

Number of days per year **365**
 temperature difference inside to outside degrees C= **10**
 Hours of operation per day = **8**
 Electricity cost c/kWh = **25**

Assumptions

Comparison to single glazed Aluminium
 1kWh electricity = 25.0c=0.99 kg of CO2

Typical 2 star rated airconditioner

Note All "U" values obtained from the WERS web site

Example Adelaide	Quantity	type	height	width	Glazing	Fibreglass "U" Value	Aluminium "U" Value double glazed	Aluminium "U" Value single glazed	Window Area m2	Fibreglass total watts Double Glazed	Aluminium total watts Double Glazed	Aluminium total watts Single Glazed
W1	1	Awning	900	610	4 grey /12/4 Clear	2.6	4.2	6.4	0.5	14	23	35
W2	4	Double Slider Window	600	1800	4 grey /12/4 Clear	2.7	4.3	6.5	4.3	117	186	281
W3	7	Single Hung Window	1800	610	4 grey /12/4 Clear	2.7	4.2	6.5	7.7	208	323	500
W4	2	Single Hung Window	1800	610	4 grey /12/4 Clear	2.7	4.3	6.5	2.2	59	94	143
W5	1	Single Slider Window	1200	1810	4 grey /12/4 Clear	2.7	4.3	6.5	2.2	59	93	141
D1	2	Single Slider Door	2100	2410	4 grey /12/4 Clear	2.6	3.8	6.4	10.1	263	385	648
D2	1	Single Slider Door	2100	1810	4 grey /12/4 Clear	2.6	3.8	6.4	3.8	99	144	243
Total									30	804	1225	1955

kW Per hour using electricity	903	1,376	2,196
% difference in running costs	0%	52%	143%
\$ saving	\$323	\$205	\$0

Example Blue Mountains	Quantity	type	height	width	Glazing	Fibreglass "U" Value	Aluminium "U" Value double glazed	Aluminium "U" Value single glazed	Window Area m2	Fibreglass total watts Double Glazed	Aluminium total watts Double Glazed	Aluminium total watts Single Glazed
W1	1	Awning	700	900	4/12/4LE	1.8	3.7	6.4	0.6	11	23	40
W2	1	Single Slider Window	600	1350	4/12/4LE	2.1	3.7	6.5	0.8	17	30	53
W3	1	Single Slider Window	1200	1800	4/12/4LE	2.1	3.7	6.5	2.2	45	80	140
W4	1	Single Slider Window	1200	2400	4/12/4 Clear	2.7	4.3	6.5	2.9	78	124	187
W5	1	Single Slider Window	800	1600	4/12/4 Clear	2.7	4.3	6.5	1.3	35	55	83
W6	1	Single Slider Window	1200	2400	4/12/4 Clear	2.7	4.3	6.5	2.9	78	124	187
W7	1	Casement	1000	800	4/12/4 Clear	2.6	4.2	6.4	0.8	21	34	51
W8	1	Casement	1200	900	4/12/4LE	1.8	3.7	6.4	1.1	19	40	69
W9	1	Casement	1200	900	4/12/4LE	1.8	3.7	6.4	1.1	19	40	69
W10	1	Casement	1000	800	4/12/4 Clear	2.6	4.2	6.4	0.8	21	34	51
W11	1	Casement	1200	900	4/12/4LE	1.8	3.7	6.4	1.1	19	40	69
W12	1	Casement	1200	900	4/12/4 Clear	2.6	4.2	6.4	1.1	28	45	69
W13	1	Louvre	2200	1400	5mm toughened	5.6	6.1	6.1	3.1	188	188	188
W14	1	Louvre	2200	800	5mm toughened	5.6	6.1	6.1	1.8	107	107	107
W15	1	Louvre	1600	530	5mm toughened	5.6	6.1	6.1	0.8	52	52	52
W16	1	Fixed	600	600	4/12/4 Clear	2.5	5.4	6.1	0.4	9	19	22
W17	1	Fixed	900	2700	4/12/4 Clear	2.5	5.4	6.1	2.4	61	131	148
W18	1	Fixed	900	2700	4/12/4 Clear	2.5	5.4	6.1	2.4	61	131	148
D01	1	Single French Door	2100	900	4/12/4LE	2	4.2	6	1.9	38	79	113
Total									29	907	1377	1849

kW Per hour using electricity	1,019	1,546	2,076
% difference in running costs	0.00%	68%	125%
\$ saving	\$264	\$133	\$0



The displayed table is for illustration purposes only

Please note that the results are indicative only and your particular situation should be completed by a certified party.