

DEAP Energy Yield Calculations

Part L Compliance: 10 (kWh/m2/Year)

Ecologics 58mm Vacuum Tubes



South Facing Roofs 30deg Angle 1074 kWh/m2
 SE/SW will decrease annual energy by 2%

House Size m2	Roof Orientation	Part L Requirement kWh/annum	Collector Area Required	Cylinder Size Litres	DEAP Energy Produced kWh/annum	TSOL Energy Produced kWh/annum
80	South	800	1.87m2 (20 tube)	150	894	1011
90	South	900	1.87m2 (20 tube)	150	910	1032
100	South	1000	2.8m2 (30 tube)	172	1146	1456
110	South	1100	2.8m2 (30 tube)	172	1175	1484
120	South	1200	2.8m2 (30 tube)	172	1222	1510
130	South	1300	3.74m2 (40 tube)	200	1462	1897
140	South	1400	3.74m2 (40 tube)	200	1490	1924
150	South	1500	3.74m2 (40 tube)	200	1514	1950
160	South	1600	3.74m2 (40 tube)	250	1601	1980
170	South	1700	4.67m2 (50 tube)	300	1847	2434
180	South	1800	4.67m2 (50 tube)	300	1875	2457
190	South	1900	4.67m2 (50 tube)	300	1900	2479
200	South	2000	5.6m2 (60 tube)	300	2069	2789
210	South	2100	5.6m2 (60 tube)	320	2120	2819
220	South	2200	5.6m2 (60 tube)	400	2230	2833
230	South	2300	6.54m2 (70 tube)	400	2389	3260
240	South	2400	6.54m2 (70 tube)	400	2416	3290
250	South	2500	6.54m2 (70 tube)	500	2535	3410

For dwellings above 250m2 please contact Ecologics Technical Department for an appropriate design

