

CPC Solar Thermal System

For Beaurepaire Centre Proposed Solar pool of The University of Melbourne

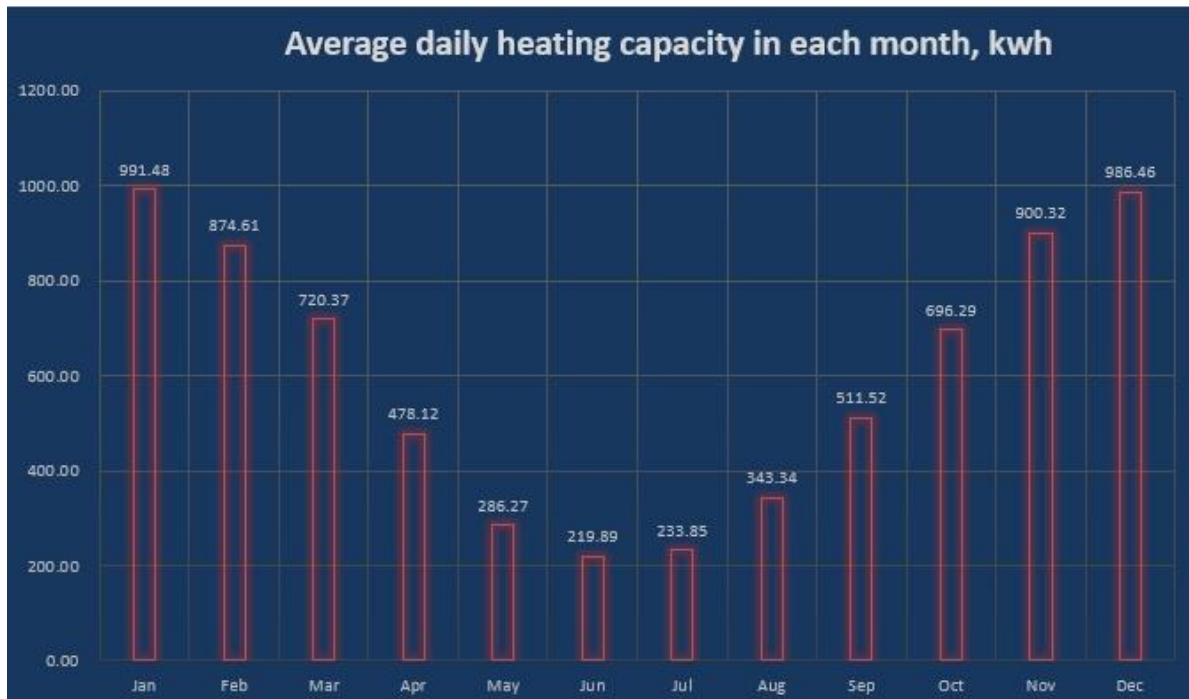


74 x model: COC1518 ATD Solar Thermal collectors have been installed at The University of Melbourne Parkville Campus

CTA International Group Pty Ltd supply and manage the project. All thermal the system including CPC thermal, VSD pump, controller and storage bank have been installed at The University of Melbourne Parkville Campus by AG Coombs Pty Ltd.

Energy saving data:

Annual energy saving cost of solar water heating system: $W_j = Cc' \cdot \Delta Q_{save} / Eff$				
ΔQ_{save}	Annual Energy Saving of Solar Hot Water system	Kwh	Heat accumulation	219784.2
Eff	Efficiency of conventional Energy Water heating device, $\leq 100\%$			95%
Cc'	Efficiency of conventional Energy Water heating device	A\$/kwh	Electricity Price	0.15
W_j	Annual energy saving cost of solar water heating system	A\$		34703
Comment				
Annual Energy Saving of Solar Hot Water system 219784 kwh				
Annual power savings in solar water heating systems $219784 / 0.95 = 231352$ kwh				
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Annual CO2 emission reduction in solar water heating systems 270,682kg				



High efficiency thermal output and saving month chart