

## K1 Racing Kayak.

The K1 is of course the international and Olympic class single kayak which races in sprints over 500 and 1000 metres. It is also used in marathon races and local enthusiasts have many opportunities to race the boats on lakes and rivers around the country.

They are a demanding craft to paddle being very narrow, but that is the major reason for their startling speed. It can take a while to develop confidence, particularly in any choppy water conditions. This design for a single chine version is the same minimum beam of 510mm but the hull shape generates a lot more stability whilst still maintaining impressive speed potential. The higher freeboard also gives more reserve buoyancy and the ability to handle choppy water better than the extreme racing versions. This makes it a good boat to develop the skills needed, or a just an easier boat to paddle that can handle a wider range of conditions for the more experienced paddler and it is best suited to marathon races. The prototype was built in Adelaide and races with the Westlakes club.

The hull is built from 3mm ply around cedar longitudinals with taped exterior joints. The decks and bulkheads are also ply. A design for a rudder and steering system is also included along with various details plus the full size templates for the bulkheads and mould stations. There is also the option drawn for a narrower deck line forward of the maximum beam position for more efficient paddling but with a slight loss in stability and a more difficult panel to set up. This should be a straight forward craft to build for an amateur with some experience in boatbuilding, and the finished boat is a quite racy looking.

**LOA 5.20m Beam 510mm Estimated Weight 13kgs.**

**Plans: 1 A0 size drawing with lines, layout, details and full size templates.**

