

Design Concept

Norman R Wright & Sons, Bulimba, Queensland, were commissioned to design and build a traditional power launch that could perform efficiently, on both ocean and coastal passages, and provide safety and comfort for the owners.

QUANDAMOOKA's displacement hull is typically narrow for her length, with a deep keel to protect the propellers. Combined with a fine entry, Quandamooka achieves good fuel economy with a relatively high maximum hull speed. Tank test results proved the design to be very efficient, and in real life conditions the launch is easily driven with excellent ride comfort.

Construction

Hull construction is cored composite, strip planked in Hoop pine and laminated with multiaxial E-fibreglass and KINETIX® high performance R246TX laminating resin with H160 medium hardener. Extended working times make this system ideal for large laminating jobs, and the thixotropic nature of the R246TX is ideal for avoiding drainage when working with heavier reinforcements.

The remainder of the vessel is marine plywood, with all external surfaces sheathed in E-fibreglass and laminated with epoxy to ensure excellent moisture exclusion and low-maintenance longevity. WEST SYSTEM® brand epoxy products and Techniglue-CA adhesives were used extensively in the construction of Quandamooka.



The wheelhouse is located well aft on the main deck to maximize the comfort level of the crew whilst at sea. The saloon is located two steps down to reduce the vertical centre of gravity, and to enhance the stability. The owners did not request a flybridge, although one could easily be added if required.

The interior layout is a custom design catering to the owners requirements, their dog and occasional friends. The main cabin is located in the most comfortable part of the boat, amidships, while the guest cabin, with upper and lower berths, is located forward to port, with the guest bathroom opposite. An additional guest cabin, with island-mounted, queen berth, is located in the bow. The mahogany finish with painted vertical surfaces in the lower accommodation, is a reflection of the owners yachting background.

Speeds measured on trials with 3800 litres of fuel and 5 people

12.8 knots @ 1850 rpm
 11.2 knots @ 1500 rpm
 10.3 knots @ 1300 rpm

Length 19.9 m
Waterline Length 18.1 m
Beam max. 5.3 m
Draft 1.45 m
Displacement 40 tonnes fully loaded
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