

# technical

## Performance of the Displacement Catamaran

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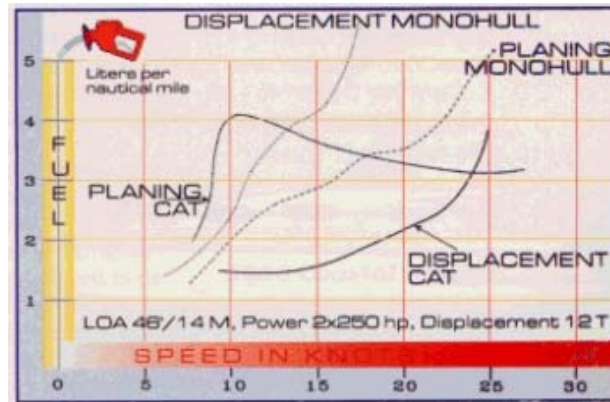


Fig.1 graphically illustrates the superior performance of the displacement power catamaran. No other configuration gives you the combination of comfort, relatively high speed [very high speed in comparison with a displacement monohull] and long range cruising. The smaller designs; below 16m, can in some cases go transocean but only at relatively slow speeds because they do not have the capacity to carry enough fuel for longer trips at higher speeds. The larger vessels, from 16m up, can go transocean at speeds from 15 to 20 knots for two to three thousand miles on their basic inbuilt tankage. This is the sort of performance that had previously only been available in monohulls in the 40m+ range. The very low fuel usage that is evidenced in the graph means much lower operating costs. This, combined with the very good seakeeping, and the unprecedented stability which is inherent in the displacement catamaran, introduced a new concept in long range travel at sea. And of course the smaller horsepower requirements for a particular performance reduces your initial capital cost also.