

# S80

POPULAR  
COMPETITIVE  
ECONOMICAL

## THE BIRTH OF A REVOLUTION

The birth of the S80 was the creation of a new breed of yacht, a revolution in one design sailing craft which fulfills both the recreational needs of today's family and performance needs of the serious racing yachtsman.

Towards the end of 1977 well known Australian yacht designer Kim Swabrick was approached by two well known sailors. They wanted Kim to design a high performance craft which was suitable for both racing and cruising in both local and offshore waters.

The specification was brief and precise, a challenge the designer of several other successful yachts readily undertook. The hull was to be approximately 8 metres with a greater emphasis on performance than other small cruisers available at that time. At the same time the expensive aspects of the ¼ and ½ tonners of the day were to be avoided.

## THE S80 CONCEPT

Sailing has historically been a male dominated recreation both in the cruising and racing areas. This has changed and today sailing is an activity enjoyed by all family members. Modern day demand for family oriented yachts in this size range is three times that of similar size pure racing yachts.

In the past, one of the great problems of fulfilling the needs of this new breed of sailors was the limitations of design. It was either a sleek racing hull with none of the drier comforts catering for, or it was the beamy solid racing cruiser which would groan at the slightest attempt to race her.

It was from these realisations that the S80 concept was born.

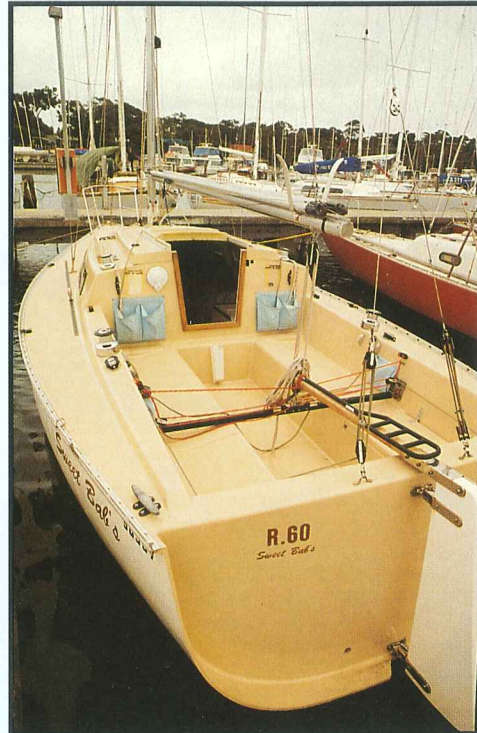
The S80 is a revolution in design and appeals to a much wider market of sailing enthusiasts. It has the performance of a sleek racing hull but not at the expense of creature comforts. Its roomy comfortable interior layout make the S80 equally at home on a quiet cruise or demonstrating its superior performance qualities on the race course.

## POPULAR

Throughout all the states of Australia, there are some 140 S80's competing in a variety of racing ranging from the more popular class racing, through to JOG and short ocean racing, and to those who just sail socially or cruise. The design has withstood the test of time and is as much in demand now as when the first production vessels came out of the mould.

The popularity of the S80 with both the racing yachtsman and the leisure sailing fraternity is highlighted by the number of boats so far built and the continued demand for new boats. It is clear that the S80's innovative and proven design has achieved a perfect combination to suit all tastes. Whilst the performance of the yacht is in a class of its own, considerable thought went into the comfort areas and headroom for the crew; nothing has been overlooked.

The interior layout comfortably caters for four adults and the "pop-top" feature of the deck above the main interior area provides adequate headroom for adults to stand. A galley, stove, sink, icebox and optional toilet, together with ample storage makes this spacious interior a real extension of the family holiday home afloat. The S80 also boasts a cockpit the size of which is the envy of owners of much larger boats and which provides comfortable seating for up to six adults.



## COMPETITIVE

From the moment the S80 slipped into the water she had the looks of a top line flier. Her performance proved to be everything that her designer had gone for, and some more. In race after race she has come home with honours against all the competition matched against her. An example of her champion performance, in an Opening Day Regatta at the Royal Perth Yacht Club, a S80 gained fastest time against a fleet of top half tonners, three quarter tonners, SS34s, UFO 34s and Farr half tonners.

The S80 performance has been hailed as incredible from both sides of Australia and continues to receive glowing reports from owners.

As one excited owner commented after his S80 completed a 15.8 nautical mile trip in one and a half hours in an 18-25 knot breeze where it maintained a speed or more than 10 knot, with flashes at over 14 knots at times; "It's a new kind of sailing to me. It's like hopping out of a Ford into a Ferrari."

## ECONOMICAL

The popularity and competitive strengths of the S80 class are the best testimonial that a S80 is an economical proposition to the cost conscious. Good value for the boat owner has been assured through the design, the class rules and manufacturing arrangements.

New S80 yachts are priced well below boats of a comparable size — a fact which has seen a steady stream of new boats manufactured in recent times.



## INBUILT QUALITY AND STRENGTH

The S80 is lighter in displacement than its contemporaries, although strength and durability have not been affected in achieving this. The structure is a combination of hand laid fibreglass and woven rovings throughout the hull and deck, with a glass impregnated Coremat layer included in certain areas. This is reinforced with an extensive web section running the length of the hull supporting the keel and providing the stiffness which prevents any tendency of the craft to bend under rigging stress. Foam stringers run through other parts of the hull and deck.

The hull has a rounded section with the bow running into a flat mid-ships section and a flat run aft. The bilges are rounded and sufficiently full to ensure good form stability and making the yacht a powerful performer to windward. At the same time the light displacement and flat run of the hull ensures a fast but stable ride down-wind.

The deck layout is practical, clean and simple with plenty of non-skid surfaces. A large anchor well is fitted in the foredeck and an outboard motor can be fitted to the transom bracket designed for that purpose. The transom also incorporates a planning board with a non-skid upper surface for swimmers climbing back on board.

The seating in the large self draining cockpit and on the combing is ergonomically designed for the maximum comfort when leaning out. The seating is curved so that it is relatively level when heeled to its best windward angle of 10-12 degrees. The distance and layout enables the crew to easily brace themselves in comfort for long periods, eliminating that 'cut in half' feeling.



## A ONE DESIGN RACING CLASS

The S80 incorporates the simple yet high performance benefits of a fractional rig with aft swung spreaders. The sail plan combines with the rig perfectly and enables the boat to be sailed in all conditions.

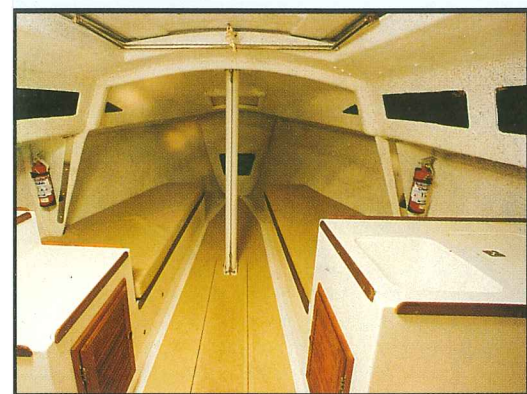
The deck hardware layout consists of comprehensive and well sized fittings to control and adjust sails and rig tuning systems.

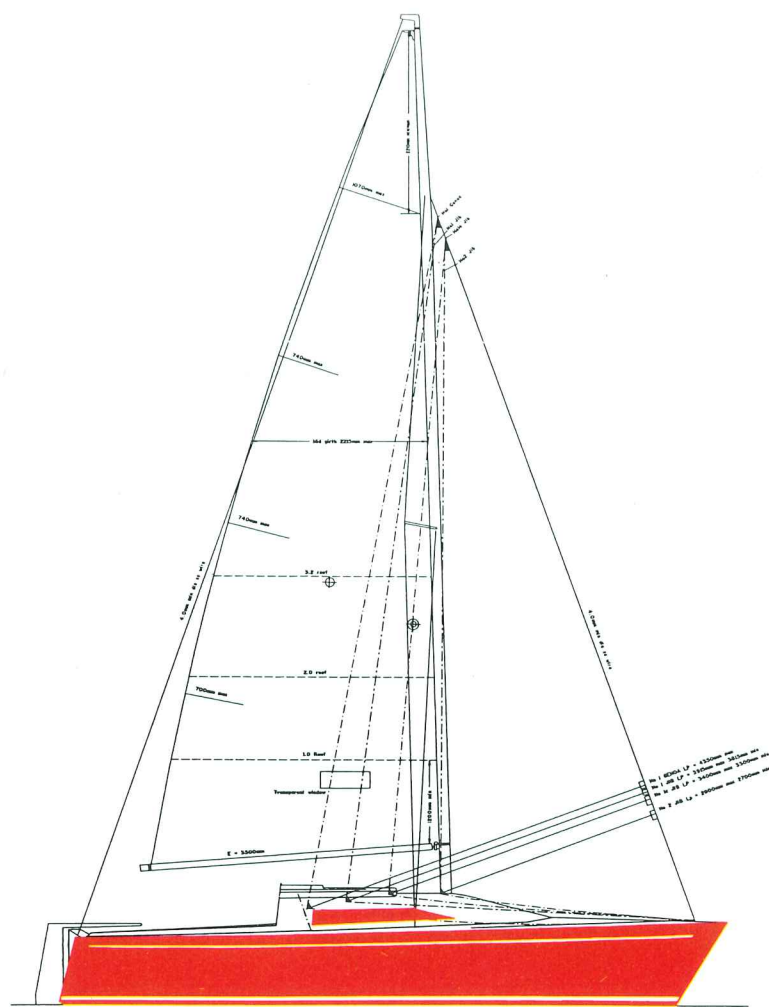
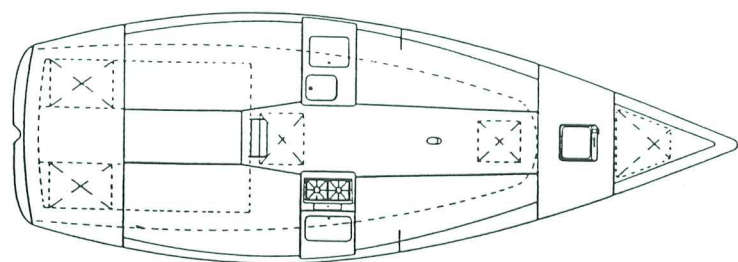
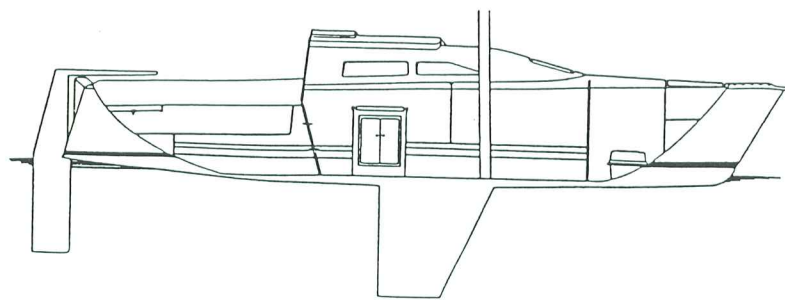
The comprehensive set of class rules are designed to maintain the S80 class as a one design yacht for cruising and racing, and to ensure that all S80 races be determined by skill.

Elimination of variations in construction of the yacht, sails, rigging, deck layout, interior layout, weight and the required safety and stipulated equipment that needs to be carried on board have greatly improved that popularity and maintained the resale value of S80 yachts.

The rules have also been designed to control the cost of racing and to protect the cruising option that is basic to the S80 concept. They also prohibit the use of expensive and sophisticated equipment and sail cloths, allowing a high performance yacht to be maintained at a reasonable cost.

The success of the S80 class and its continuing strength in Australian yachting is directly attributable to the very functional and popular design of the boat and the one design nature of the class.





## PRINCIPAL SPECIFICATIONS

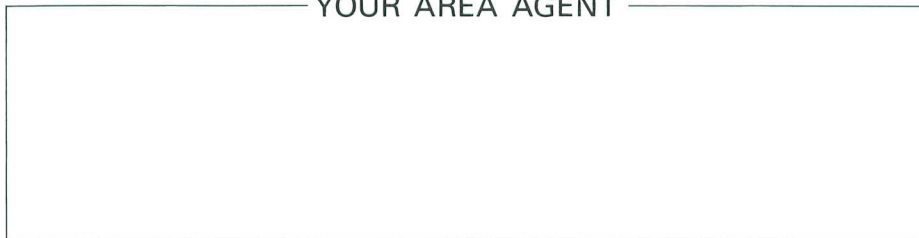
L.O.A.	8.00m
D.W.L.	7.10m
BEAM	2.70m
DRAFT	1.40m
DISP.	1680kg
MAINSAIL	18m <sup>2</sup>
No. 1 GENOA	19.4m <sup>2</sup>
SPIN.	42.0m <sup>2</sup>

## THE S80 AND THE FUTURE

The timeless nature of the S80 design and its proven popularity over the ten years since its inception have prompted the construction of the new set of mouldings to meet the demand for boats into the future. With new boats under construction and orders for more, it is clear the design is one which has withstood the test of time and which today is still out performing more recent designs and fulfilling the requirements of boat owners both on the race course and cruising.

S80 construction from the new mouldings is under the control of the S80 Development Trust established to promote the class and to facilitate its growth. This is a non-profit organisation which is able to offer boats at very reasonable prices and at various stages of completion according to the desires of the new boat owner. The Trust's licensed boat builder is Greg's Marine based in Perth, Western Australia.

YOUR AREA AGENT



### For further information contact:

The S80 Development Trust  
GPO Box 5,  
Nedlands, 6009,  
Western Australia.

OR

Greg's Marine Service  
Lot 90, Stock Road,  
O'Connor,  
Western Australia.  
Ph: (09) 337 2370.

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## ONE DESIGN RACER FAMILY CRUISER