



Designer Comments

Design #691 – 31.4M LOA Fast Cruising Yacht Southern Wind 102

The Southern Wind 102 is the worthy successor to the extraordinarily successful Southern Wind 100 with naval architecture from Farr Yacht Design and thirteen hulls built in seven years. The unique brief for the SW 102 called for building upon the best features of the SW 100, thoroughly modernizing the hull shape and using, as much as possible, specific components of the SW 100 to permit rapid development of the concept and an accelerated construction period. These comments include many comparisons to the SW 100 since it is central to the concept of the SW 102 and its first example, ALMAGORES II. She is the splendid result of this unique process. High importance was placed on maintaining the superb balance of good light wind performance and sail carrying capability in strong winds exhibited by the SW 100. Increased interior volume was another major component of the design brief. ALMAGORES II is pointedly larger than the SW 100 for two reasons. She has a significantly longer waterline, 27.7m versus 26.1m, than the SW 100 and has relatively much more volume aft of maximum beam. Components carried over directly from the SW 100 include the appendages and associated engineering. The SW 100 keel can be used effectively on the larger ALMAGORES II because the displacement-length ratio is relatively less than the size difference alone would imply and the lower ballast ratio suitable. The rig is a component similar in concept and proportions but has 10% greater area to match the additional size and achieve the target light wind performance.

The hull of ALMAGORES II shows the Farr pedigree in its more aggressive bow styling with nearly upright and narrow stem combined with the signature flying knuckle for good handling. The hull contains many features that are a direct result of applying the knowledge and proven benefits of the research and design of numerous high performance yachts (VO70's, Open 60's, Leopard) over the last decade. Fuller waterlines and straighter diagonals in the ends, wider and lower transom and fuller forward sections are a direct transfer. The topsides have generally less curvature compared to the SW 100 and the stern has been widened to increase the heeled sailing length and performance. The critical issue of rudder immersion in the upper range of typical heel angles is managed through the precise distribution of longitudinal volume to prevent stern lift.

A hallmark of all the Southern Wind yachts created through the collaboration of Farr Yacht Design and Nauta Yacht Design is the exceptional handling and responsiveness of the helm. ALMAGORES II is the latest to achieve this goal through the combination of accurate and precise aero/hydro balance, efficient appendages with custom airfoils and a highly refined longitudinal volume distribution throughout the range of heel.

Overall the impression, feel and character of ALMAGORES II is more akin to the Southern Wind Shipyard flagship SW 110, THALIMA. The construction of the second yacht of this exceptional new entry in the Southern Wind Shipyard line is well along and interest is building.