



Hansen Sails, LLC is proud to announce it's new Formula HCLTM line of pro-level racing sails.

The result of an extensive developmental test program, the Formula HCLTM is the first production model to incorporate our patent-applied-for Hansen Compliant Leech™ (HCLTM) technology. The HCLTM system allows a sail to compliantly adjust both foil shape and twist automatically according to wind pressure and sheeting angle. The result is an extremely versatile sail with extended range that not only excels in light air acceleration; power and pointing but also overpowered gust response and handling. Of particular interest to the serious racer, the Formula HCLTM performs well in turbulent air such as found in large fleets off the starting line and turning off the wind during mark roundings. HCLTM also provides more options while overtaking other

competitors and approaching marks on the lay line. Added benefits include an exceedingly comfortable ride in rough water with lowered fatigue during long Formula events or testing cycles.

Refinements to our wide-sleeve 10 batten, 6 cam 2006 Formula sails include:

- 1) Increased overall static shape and tighter leech for better light wind VMG performance.
- 2) 6 specifically-tuned HCLTM elastic inserts for optimal leech compliance over a wide range of conditions.
- 3) Larger head with free-pivoting head battens for better off-wind angle and drive.
- 4) Straight leech planform for optimal upwind drive and maximized area.
- 5) Shorter boom and steeper foot sweep near the clew for easier handling in transitions.
- 6) Improved location-sized roller cams for cleaner leading edge entry.
- 7) Retractable sail storage strap.

Construction is durable yet light with 100% fully glued and reinforced seams. The sleeve is a composite structure utilizing reinforced polyester sleeve cloth in the high wear areas combined with ultra-light and durable Dimension Polyant PX05 in the sleeve body. Inner luff is 4 mil X-Ply with Dacron and Mylar tension patches in the foot, head and cam locations. The sail body is stepped thickness monofilm with warp-oriented 3 strand X-ply, Dacron and Mylar reinforcing in the foot, clew and head. All batten pockets, reinforcing patches and plys are symmetrical on both sides of the sail to minimize port/starboard variations. Battens are composite tube/rod constructions with flex and stiffness specifically designed for each location in the sail. Batten adjustment is controlled by internal-screw tensioners.

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