Seascape 27

Sail brief, 2.3.2013

Sail concept:

Since we have firm commitment to One design, sail layout should be as simple and smart as possible. Fun factor is important so the owners would probably appreciate some sort of dedicated reaching sail.
Seascape 27 will have to work in most diverse environments (from doublehanded racing in Norway to fully crewed on light wind lakes) and our goal is to use same set of rules for both. If that would prove to inefficient separate rules will be devised for inshore and offshore use.
In a nutshell we are looking for a good compromise between efficiency and simplicity.

Class concept:

Boats aim is to build one design amateur racing circuit both inshore and offshore. We will limit number of sails to main, jib, staysail, 2 or 3 gennakers/reachers and storm jib.
We will sell boats without the sails therefore we understand that publishing of preliminary class rules is essential before the full production and sales commences. Off course we will recommend owners and dealers the sail solutions that we will believe work best.

Sail layout

Main:
Currently limited only by the rig geometry. Reef heights should loosely follow the ones suggested on the attached sail plan. Sail is attached to the mast trough a luff groove.
Material: The construction shall be: soft sail, woven ply and/or laminated ply made from one or more of the following materials: Dacron, Polyester, Pentex, woven spectra..
Dynamic sail controls: mainsheet on traveler, vang, cunningham, outhaul, halyard.

Jibs:
Basic configuration is to have jib on hanks attached to forestay and furling staysail that attaches to chain plate behind the anchor locker and is hoisted by 1:2 halyard .
Other options are:
Furling jib instead of one on hanks (mostly for cruising and maybe inshore)
Using a reef on a jib.
Chose the one that fits you best.
Material: Material: The construction shall be: soft sail, woven ply and/or laminated ply made from one or more of the following materials: Dacron, Polyester, Pentex, woven spectra.
Dynamic sail controls: Jib sheets, barber hauler, inhauler, halyard.

Gennakers
Basic idea is to have masthead runner, fractional runner and fractional reacher that cover the sail selection table as efficiently as possible.
Sails should be more VMG than VMC oriented.
Runners can have attachment points for a RC44 like snuffer system for inshore races.
Material: Nylon
Dynamic sail controls: sheets, tackline, halyard.

Storm jib:
Max sail area of 4m2, attached to the forestay with hanks or on staysail halyard in some sort of furled or packed state.

Material: Fluorescent orange dacron.
Dynamic sail controls: sheets, halyard.