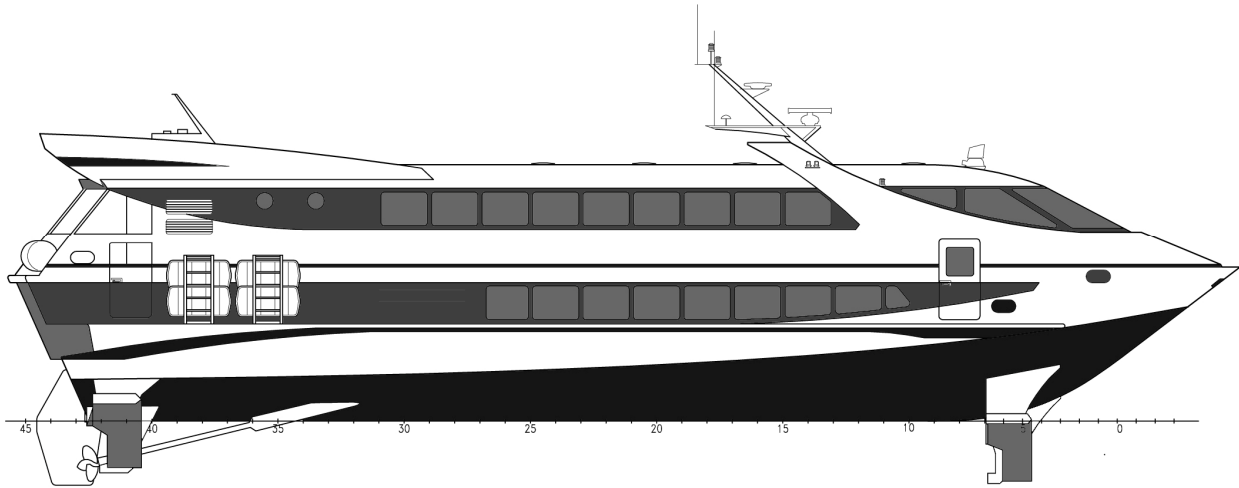


PASSENGER HYDROFOIL

ST160HF



Length OA, <i>m</i>	29.0
Beam OA, <i>m</i>	9.7
Beam OH, <i>m</i>	7.1
Depth, <i>m</i>	2.3
Floating draught, <i>m</i>	3.5
Engine power, <i>h.p.</i>	2 x 1800
Speed max, <i>kn</i>	42
Range, <i>nm</i>	500
Passengers, <i>pers</i>	163
Material of the hull/ foils	aluminum alloy/ stainless steel
Sea State	4 (2.5 <i>m</i>)

Type of the high speed vessel - sea going hydrofoil. Original engineering solution of the vessel is a self stability "duct" type foil system (aft foil is a main, fore foil is an auxiliary). Different ships and boats based on this hydrodynamic scheme successfully built since 1994.

Some fishes of this type of the hydrofoil are - stability, safety, efficiency.

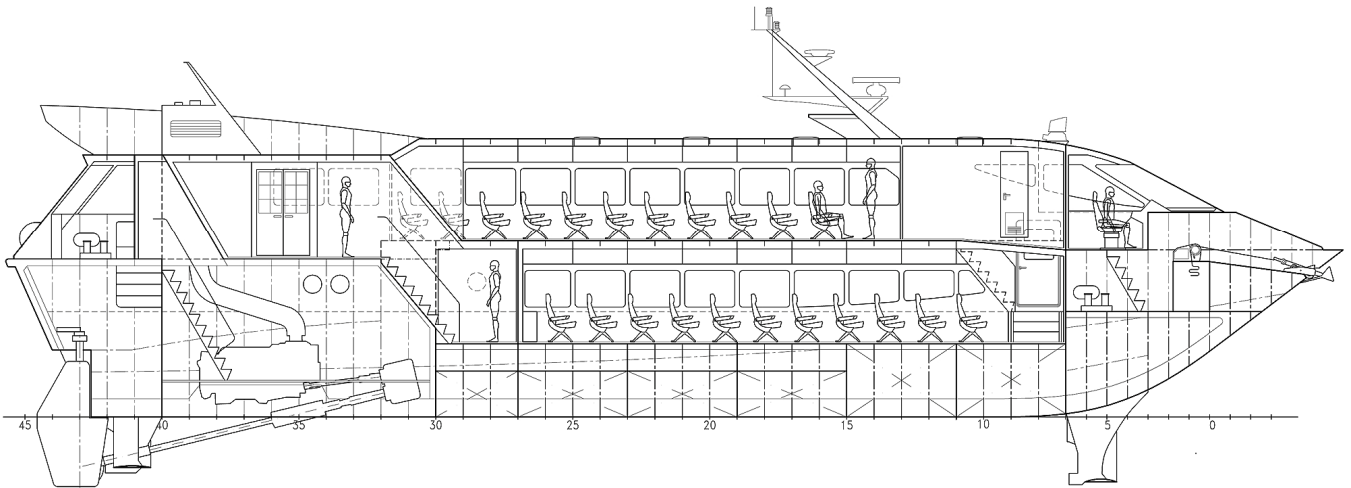
The vessel can be built in two options: fixed foils and up/down foils.



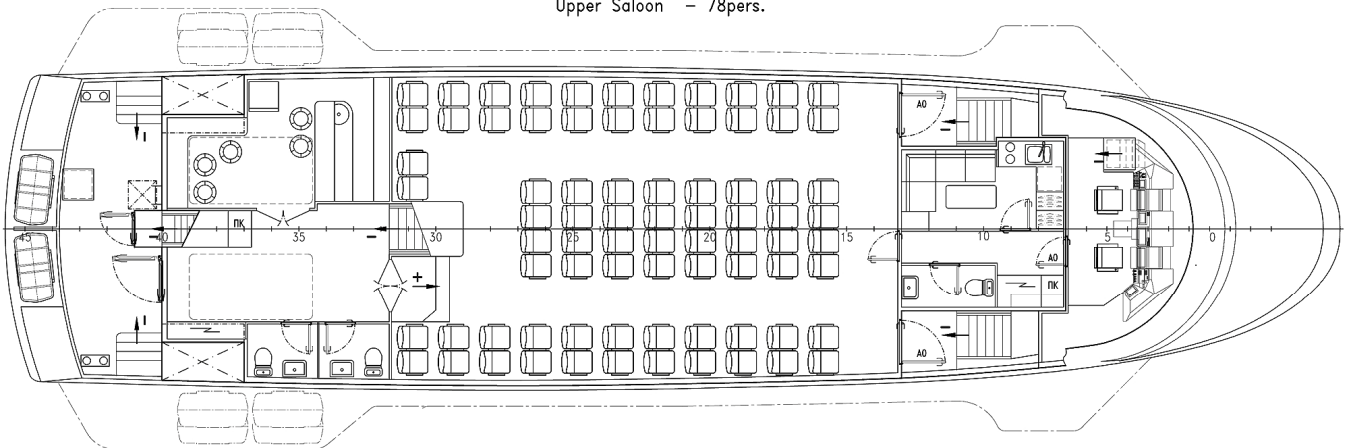
Photo of a prototype vessel with spent hydrodynamics of the hull and up/down foils

ST160HF

Deck plans



Upper Saloon - 78pers.



Lower Saloon - 84+1pers.

