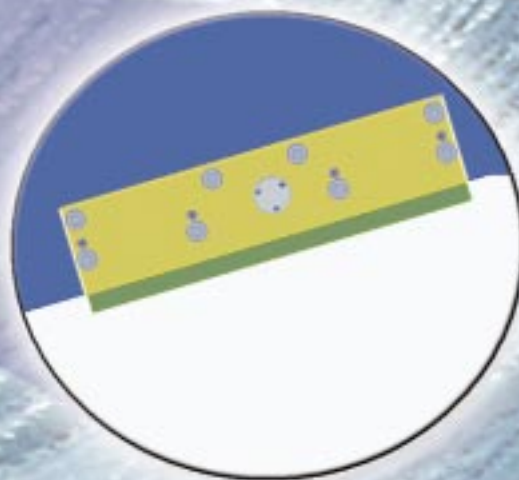


Interceptor for yachts



LA.ME. Nautica

a new interceptor active system for control of running trim and list and for damping of pitch and roll motions



Working position



Stand By position



The interceptors **SEA - LIFTER** can be installed on:

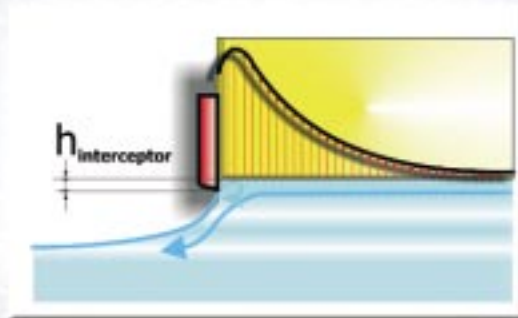
- planing boats from 10 mt to 30 mt
- semiplaning boats from 10 mt to 30 mt

SPEED UP TO 50 KN

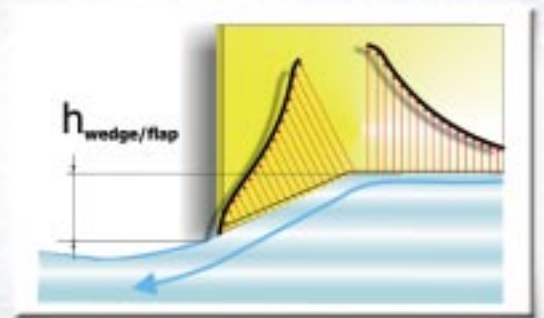
Advantages of Interceptors **SEA - LIFTER** compared with standard trim tabs

- Less drag with same amount of lift which means speed optimisation
- Quicker dynamic response when interceptors are operated for pitch and roll damping

SEA-LIFTER



STANDARD FLAP



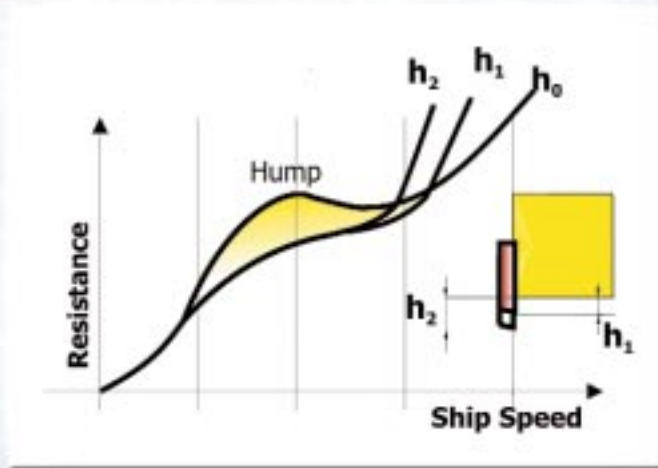
$$h_{\text{interceptor}} \ll h_{\text{flap}}$$

- No appendages protruding behind the transom, no problems with waterjet reverse waterflow
- Composite materials eliminating corrosion
- No mechanical or hydraulic problems because **SEA - LIFTER** use electric power

Working principle

SEA - LIFTER, because of its electrically operated blade, intercepts the water flow under the hull, giving a high hydrodynamic lift on the bottom hull directly ahead of the transom. This results in a reduced resistance at hump speed and a quicker take off.

Hull resistance performance for different blade positions *SEA - LIFTER*



h_0 :
blade fully in


h_1 :
blade half stroke

h_2 :
blade fully out

Technical features of *SEA - LIFTER*

- External standard dimensions = 810 x 180 x 40 mm
- Adjustable blade stroke for different hulls

SCOPE OF SUPPLY

- n° 2 *SEA - LIFTER*
- n° 2 Inboard electric servo actuators
- n° 1 Electric cabinet dimensions 380 x 300 x 200 mm
- n° 1 Control panel
- n° 1 Installation manual
- n° 1 Owner's manual
- Total weight **65 Kg**
- Power supply 24 Vcc 240 Watt
- Water protection IP 65
- According  rules

Control panel

BUTTON FUNCTIONS

TRIM UP: to increase trim angle

TRIM DOWN: to reduce trim angle

LIST PORT: to increase list port

LIST STBD: to increase list stbd

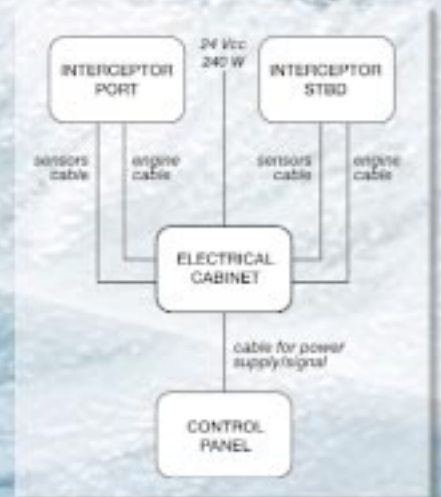


The system is operated by an alluminium control panel, dimensions 170x120 mm, press buttons, blade position indicators.

Wiring

The wiring is reduced to a minimum, in order to simplify the installation procedures. Two cables between electrical cabinet and each **SEA - LIFTER**, one cable between electrical cabinet and control panel.

The electrical cabinet is protected by a 10 A switch.



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