



PRELIMINARY

*elan* 450



Designed by Humphreys Yacht Design the new Elan 450 sets new standards in design and short handed sailing in its class. The elegant Elan 450 builds on success of the redesigned Elan performance range which main features are: open transom, flush hatches on coachroof, open bow pulpit, lines below deck, long length at waterline, pure bow lines, designers hull and deck portlights, bright and spacious interior ...

The traditional interior 3 cabin layout offers luxurious owner's forecabin with large island double berth and generous head department with separate shower stall. Identical aft cabins offer lots of storage and optimum ventilation.

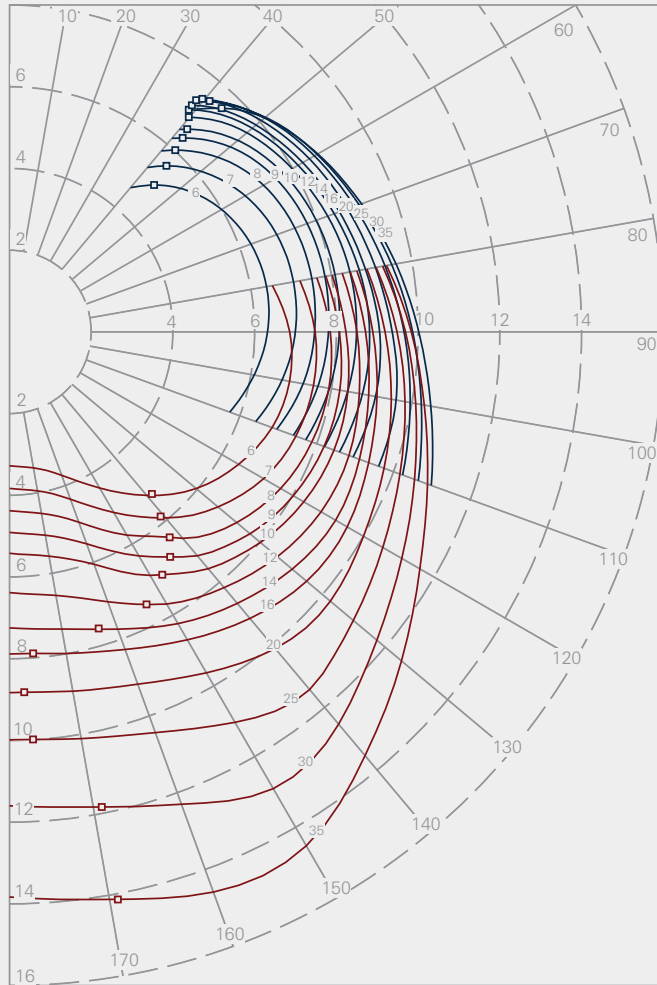


For larger crew 4 cabin layout makes sense. Additional bunk bed cabin on starboard side can accommodate extra 2 crew members. Bright and airy saloon with U-shaped settee and large saloon table on starboard can accommodate the crew onboard whilst saloon's port offers a settee with an optional entertainment area, practical chart table and wet locker along with

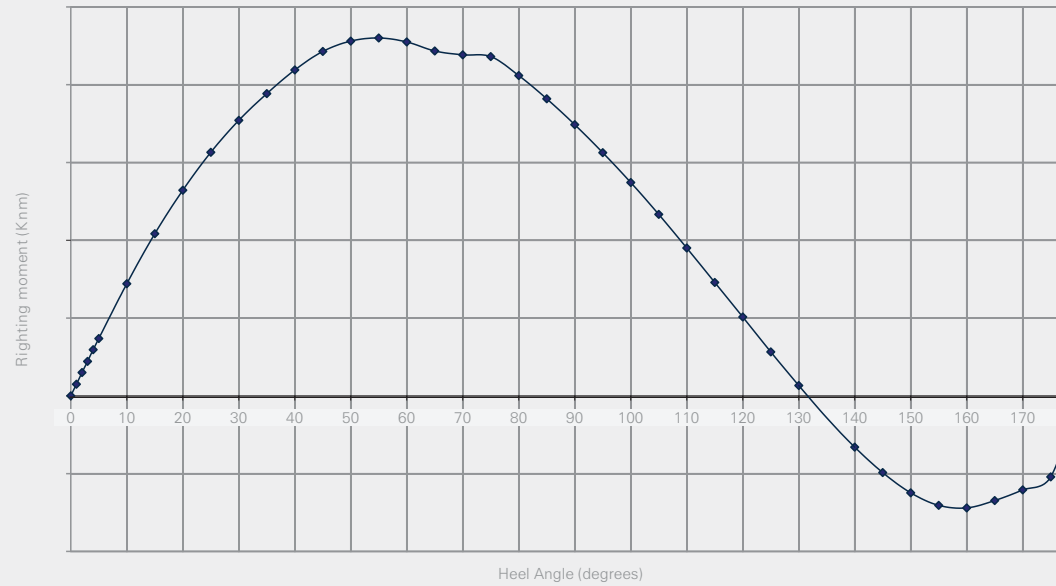
spacious second head department provides relaxing feeling. Fully equipped L-shaped galley fulfills even with the toughest chef's demands. The modern look is provided by horizontally grained Anigre wood with Wenge type laminated floorboards. Optionally is offered also classic teak interior.

# PERFORMANCE

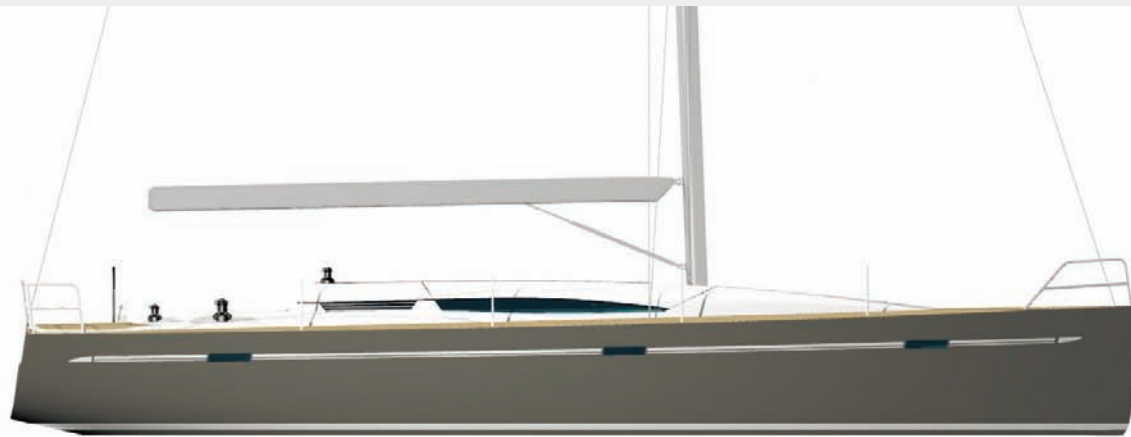
## Polar diagram



## Stability curve



An impressive sail plan with tall fractional rig, swept aft double spreaders, increased mainsail area, non-overlapping headsail and optional large gennaker handled by retractable bow sprit maximises her sailing performance and taking full advantage of precise combination of deep lead keel and twin rudder steering system.

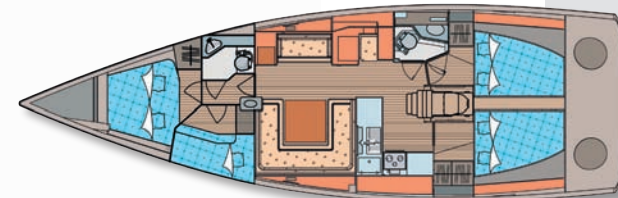
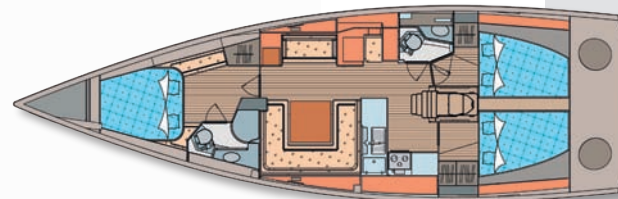
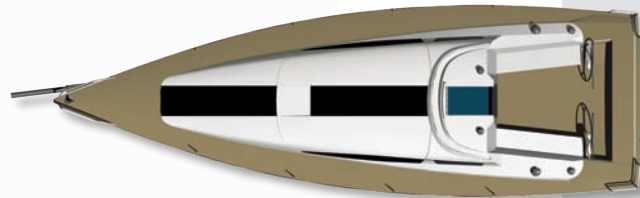


The new Elan 450 ergonomic cockpit is designed for easy movement. Twin steering wheels, main sheet traveler mounted on cockpit floor, 3 pairs of powerful winches, German main sheeting system are the essentials for fast passagemaking. Cockpit table stored in dedicated space in cockpit floor, life raft storage, large cockpit lockers, recessed space for sprayhood, optional innovative hydraulic driven helmsman seat/gangway are just the features which makes Elan 450 more comfortable while cruising or moored. Transom can be open for more comfortable access to the sea and a usefull space for storage.

Deck is foremost designed for efficient sailing and safety for crew. Head stay furler is recessed under deck as is the swiveling stemhead fitting for anchor.

Twin rudders offer great directional control and allow to navigate much easier in more difficult sailing conditions. Twin rudders have the advantage that they further immerse with heel – what results higher level of rudder control at increasing heel angle. When sailing the leeward rudder will always be in its most efficient position whilst the windward rudder will be creating very little or no drag. Twin rudders deliver outstanding performance under sails without sacrificing the responsiveness while steering, and capability of fast blue water passage making.

# elan 450



## Technical specifications

Length overall	13,60 m
Hull length	13,60 m
Length at waterline	12,52 m
Beam	4,37 m
Draft	2,05 / 2,60 m
Displacement	approx. 11300 kg
Ballast	4180 kg
Water capacity	444 l
Fuel capacity	203 l
Engine	55 / 75 HP
Mainsail	61,4 m <sup>2</sup>
Genoa	63 m <sup>2</sup>
Gennaker	201,36 m <sup>2</sup>
I	17,72 m
J	4,90 m
P	17,43 m
E	5,87 m
Boat design category CE	A
Design	Rob Humphreys



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