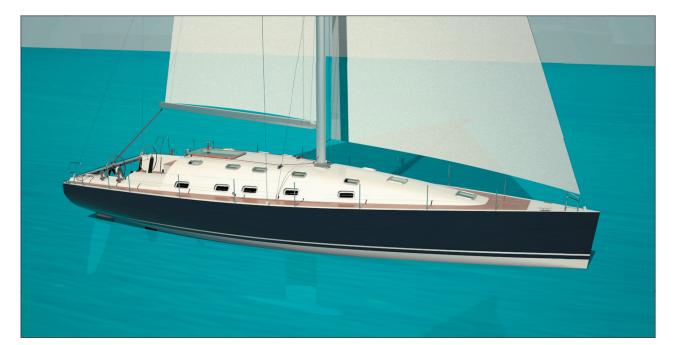


Aluminum Sailing Yachts

Designer & Builder

VK45 Aluminum Performance Sailing Yacht

Elegant Challenger





VK Yacht proudly presents the VK45 aluminum sailing yacht, an aesthetic combination of Open 60's performance and aluminum strength.

Sail her to the limits of your sailing capabilities and experience her potential for ultimate sailing performance.

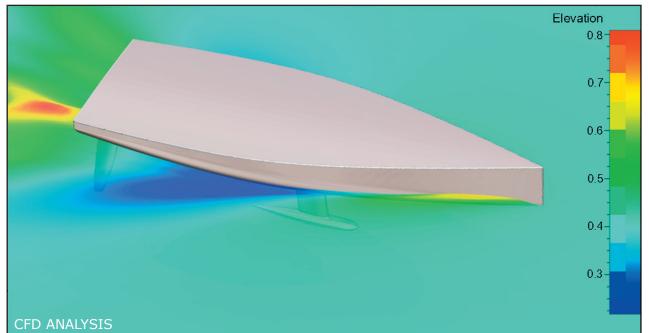
Relay on her advanced design and superior aluminum construction to face any weather and sea condition.

Feel safe on a quality investment that preserves both her value and your desire to sail her in long term. Enjoy her ergonomic and specious interior arrangement which is well lighted and ventilated.

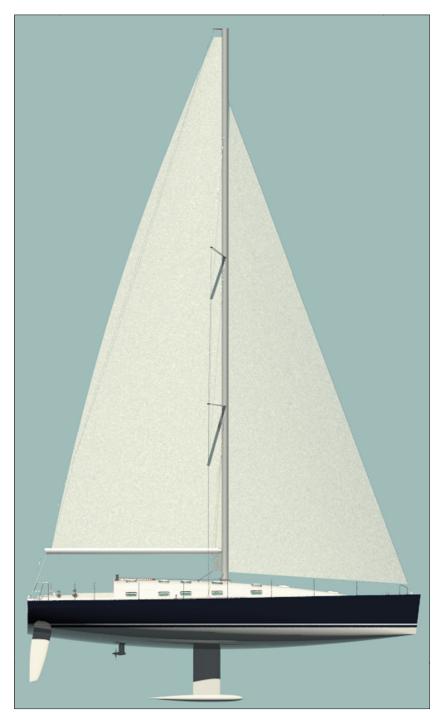


GENERAL ARRANGEMENT







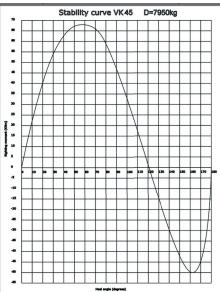


VK45

Length overall	13,6m
Length waterline	13,1m
Beam overall	4,15m
Beam waterline	3,1m
Depth midsection	3,7m
Free board midsectio	1,4m
Draft	2,32m
Displacement	7950kg
Ballast	2350kg
Engine	M4.55-38.3kW(52hp)
Mainsail	61m2
Genoa	57m2
Spinnaker	170m2
I	16.5m
J	6.1m
P	17.6m
E	5.9m
Windward balance po	int at RM30:
RM30	53,6kNm
Yaw	5.4degrees
V_wind	18.3knots
V_hull	8.4knots
Water	264
Calorifier	45
Fuel	122
Gray&black	120

Boat design category CE: A Certification: Ocean plus Design: VK Yacht

Recommended price (ready to sail, painted) : 375,000euro





VK45 Aluminum Performance Sailing Yacht



The yacht is built according to the ABS rules for building and classing offshore racing yachts.

The design and construction of VK45 results to a light and strong quality aluminum yacht which is fast and safe, with excellent sea-keeping characteristics and comfortable interior.

The construction of VK45 incorporates specialized integrated and solid members which increase strength and improve construction quality.

Every single member of the construction of VK45 is designed down to the last detail thus developed a complete construction kit that is cut and formed by CNC machines. The assembly of the construction kit and the final welding is performed by technicians with long practicing experience under the supervision of approval authority.

VK45 will reliably offer to her owner an exciting sailing performance in all conditions from a sailing competition, sailing holidays or sailing around the world, even single-handed.

VK45 TECHNICAL SPECIFICATION

Length overall = 13,6mLength at waterline = 13,1m Beam overall = 4,15mBeam at waterline = 3,1mDepth at midsection = 3,7m Free board at midsection = 1,4mDraft = 2,32mDisplacement unloaded = 7950kg Ballast = 2350 kg (bulb= 2000kg, solid aluminum fin = 350kg) Èngine M4.55: 38.3KW (52hp) Mainsail area = 61m2 Genoa area = 57m2 Spinnaker area =170m2 I = 16500 mmJ = 6100 mmP = 17600 mmE = 5900 mmRighting moment (RM) at 30 degrees heeling RM30 = 53,6kNm Sailing balance point at RM30: yaw=5.4 degrees, V wind=18.3knots, V hull=8.4knots Water capacity: 2641 Calorifier capacity: 451 Fuel capacity: 1221 Gray & black water holding capacity: 1201

Boat design category CE: A

Certification: Ocean plus

Design: VK Yacht

VK45 STANDARD EQUIPMENT AND INVENTORY

DECK FITTINGS

Non-slip deck covering (VETUS) Bow roller stainless steel for anchor passage (LEWMAR) Vertical electric windlass 1000W on deck (V3 LEWMAR) Anchor DELTA 20kg stainless (LEWMAR) Anchor chain 10mm 40m stainless (LEWMAR) IMO specifications navigation lights (LEWMAR) Stainless stanchions (VETUS) with double lifelines and port and starboard side openings Two stainless steel bow mooring cleats (VETUS) Two stainless steel stern mooring cleats (VETUS) Aluminum chain plates with St316 stainless steel ring One anodized aluminum opening hatch 474x474 in forward cabin (VETUS) One anodized aluminum opening hatch 474x474 in the fore peak (VETUS) Four anodized aluminum opening hatches, 390x260 in saloon, galley and chart table (VETUS) Two anodized aluminum opening hatches 390x260 one in each aft cabin (VETUS) Two anodized aluminum opening hatches 390x260 one in each aft toilet (VETUS) Ten anodized aluminum portholes port lights 399x190 on coach roof (VETUS) One Main sail sheet track with traveler kit and two end sheaves (HARKEN) Two Genoa sheet tracks with slider and lead cars (HARKEN) Two 60 STA Genoa sheet winches (HARKEN) Two 50 STA Main sail sheet winches (HARKEN) Two 46 STA winches for halyards (HARKEN) Two deck organizers (HARKEN) Two double clutches (HARKEN) Ten pieces cruising ESP blocks (HARKEN) Two winch handles (HARKEN) Water, fuel and waste deck entries stainless steel (VETUS) Splash-Stop for fuel entry (VETUS) No-smell filter (VETUS) Air vent nipples for tanks stainless steel (VETUS) Two round air suction ventilation hoses stainless steel (VETUS) Transom exhaust connection with check valve (VETUS) RIGGING Fully battened main sail system (ZSPARS) Mast in anodized aluminum alloy with double swept back spreaders (Z701 232x145 ZSPARS) Anodized aluminum alloy boom with single line reefing system (Z690 232x145 ZSPARS) Masthead light, deck light Anodized aluminum alloy spinnaker pole (80 ZSPARS) One Rigid Vang (500 ZSPARS) Stainless steel standing rigging (ZSPARS) : One fore stay One V-shaped insulated back stay with adjuster Two upper shrouds Two lower shrouds One Main sail halyard One Genoa halyard One Spinnaker halyard One boom topping lift + spinnaker boom topping lift Three reefing lines SAILS Main sail full battened (DP AP360, TRIRADIAL) Furling Genoa (DP AP360, TRIRADIAL)

Asymmetric spinnaker (TRIRADIAL) ENGINE COMPARTMENT

M4.55 52hp turbo diesel engine with sail-drive (VETUS)



Three-blade stainless steel folding saildrive propeller (Slipstream) Sound deadening plates (ISO 4589) (VETUS) Extraction ventilator for engine room Inlet ventilation for engine room One 12V 55 Ah maintenance free battery (VETUS) One 12V 108 Ah maintenance free battery (VETUS) One 12V 120 Ah maintenance free battery (VETUS) Combined battery charger/splitter (VETUS) 45 liters double-walled calorifier (water heater) (VETUS) Goose neck (VETUS) Muffler (VETUS) Water lock (VETUS) Exhaust hose silicon (VETUS) Exhaust temperature alarm (VETUS) DOUBLE RUDDER SYSTEM Two aluminum rudder stocks (JEFA) Two composite rudders blades (JEFA) Self aligning rudder bearings (JEFA) Autopilot drive unit 375kgm and lever (JEFA) Tube and gaiter sealing system (JEFA) Quadrants, tiller levers, sheaves, drag link, chain and wire (JEFA) TANKS AND PUMPS Three electric bilge pumps (VETUS) Bilge water/oil separator (VETUS) Gray water discharge system (VETUS) Pressurized water system with adjustable pressure switch (VETUS) Two rigid tanks for diesel fuel with an inspection lid 61 liters each (VETUS) One waste water tank system 120 liters (VETUS) Three rigid tanks for drinking water 88 liters each (VETUS) COCKPIT Open transom self-draining cockpit Cockpit seats covered with synthetic teak Cockpit floor covered with synthetic teak Double pedestal WP800 (JEFA) Engine control panel and mechanical engine remote control with low friction puss-pull cable (VETUS) Wind direction/wind speed indicator digital instrument and sensor (NASA) Speed/Distance and Echo Sounder (NASA) Electronic compass digital instrument and sensor (NASA) GPS repeateverd - NMEA 0183 (NASA) GPS sensor (GARMIN) COMPANIONWAY Smoked Plexiglas sliding hatch Smoked Plexiglas washboard in two parts with ventilation and lock Solid teak frame Two handrails Companionway steps with non-slip synthetic teak Access to engine through hinged companion way steps panel NAVIGATION AREA Chart table with chart storage space and chart table light Storage space Navigator's seat with storage below Two switch panels for 12 positions each with automatic fuses (VFTUS) Remote control panel for battery charger/splitter (VETUS) Battery selector (VETUS) Tank level graphic display and four ultrasonic sensors (VETUS) SALOON Gamma-shaped sofa and small sofa CuStorage space under seats of sofa and small sofa Storage space behind backrest Wooden saloon table Spotlights

Sides and top surfaces covered by a combination of synthetic leather, wood and epoxy paintLaminated teak striped floors

GALLEY

Linear bench with sink and pressurized hot and cold-water tapCupboard under bench with laminate interior for easier cleaning Stove with oven Refrigerator Freezer with top opening Hanging cupboards at bench length Spotlights Laminated teak striped floors FORWARD CABIN

Cabin door with lock and stopper Double berth with mattress Sitting bench with cushion and storage space under seat Ventilated hanging locker Two storage lockers Spotlights Sides and top surfaces covered by a combination of synthetic leather, wood and epoxy paint Laminated teak striped floors

FORWARD CABIN TOILET - SHOWER COMPARTMENT

Cabin door with lock and stopper Electric porcelain toilet (VETUS) Locker with top bench and storage space under bench Sink and pressurized hot and cold-water tap/shower on the bench Cupboard with shelves along bench length Shower cabin with removable floor for access to the holding tank under Mirror Spotlights Epoxy treated surfaces

AFT CABIN (TWO)

Cabin door with lock and stopper Double berth with mattress Sitting bench with cushion and storage space under seat Ventilated hanging locker Storage lockers Spotlights Access hatches to engine, rudder system and transom compartment Sides and top surfaces covered by a combination of synthetic leather, wood and epoxy paint Laminated teak striped floors

AFT CABIN TOILET – SHOWER COMPARTMENT (TWO) Cabin door with lock and stopper Electric porcelain toilet (VETUS)

Locker with top bench and storage space under bench Sink and pressurized hot and cold-water tap/shower on the bench Cupboard with shelves along bench length Washbasin with removable floor for access to the holding tank under Mirror

Spotlights Epoxy treated surfaces

SPECIFIC FEATURES

Architect : VK YACHT AB, SWEDEN Construction : Combination of 5083H111 and 5083H321 3.2 Lloyd's approved aluminum alloys MIG welded in an Argon/ Helium sealed atmosphere Interior : Foam core with sides laminated surfaces Three zing-anodes for hull protection Cast lead ballast encapsulated in epoxy resin Painted yacht (sandblasting, epoxy primer, epoxy filler, paint - INTERNATIONAL) OPTIONS

Tiller version Furling genoa Skipper cabin at fore peak

Please contact us for optional equipment and pricing

VK YACHT AB reserves the right to upgrade the specifications without notice





To learn more about VK Yacht, please visit

www.vk-yacht.com

In the above site you can also find more about the VK Yacht Series of Aluminum Performance Sailing Yachts.

To request information about a specific yacht or to arrange a test sail of the VK35, please contact us e-mail : info@vk-yacht.com telephone : +46 141 440 995 postal address : Brastorpsv. 6, 59150 Motala, SWEDEN

