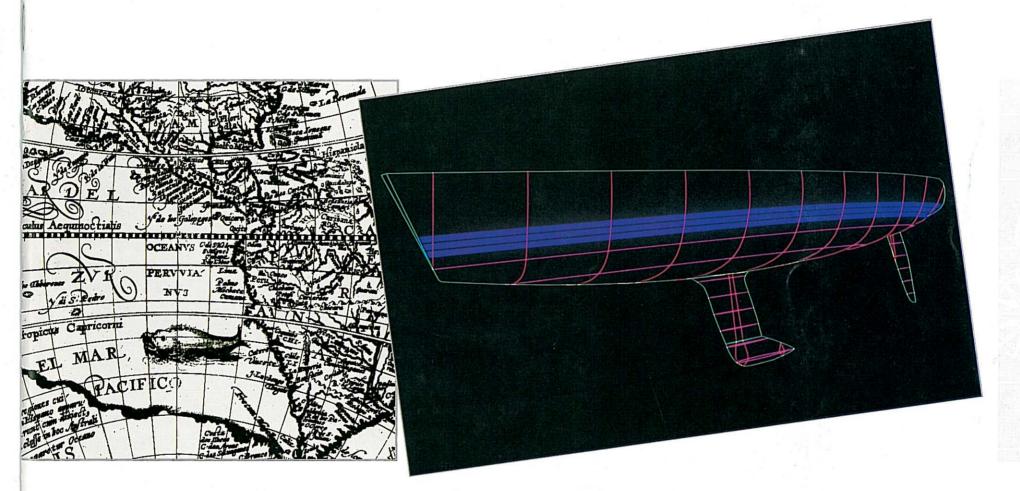
## BLUE WATER CRUISER BY X-YACHTS OF DENMARK





## THE HISTORY OF X-YACHTS IS THE HISTORY OF EXPLORATION

provided some with the chance to make great adventures, others have won World Championships. We have explored all avenues open to us for design, construction, and production methods and have meticulously examined every small detail of the yacht before start of production. Our exploration into the heart of the X-612 has lead us to create a yacht that is built for discovery at blue oceans. Sail the X-612 and make your very own discoveries.



X-102 1981 C/R 3/4 Ton Cup '81 & '82



X-95 1982 C/R 1/2 Ton Cup series '83



X-3/4 Ton 1984 Racer 3/4 Ton Cup '85, '87, '88 & '89



X-1 Ton 1984 Racer 3rd ind. AC '85, One Ton '86

X-99 1985 ODC

European/Hong Kong Class



X-2 Ton 1986 Racer 3rd indiv. - 1st offshore AC '87

X-79 1979 ODC N. European One Design Class



X-452 1987 C/R Cruising 2 Ton



X-372 1987 C/R



X-402 1984 C/R Cruising One Ton



X-342 1988 C/R Cruising 3/4 Ton



X-1 Ton Mk 3 1989 Racer 3rd One Ton Cup '89



X-1 Ton Mk 4 1990 Race One Ton Cup '90



One Off - 50 ft 1989 Racer 1st Offshore AC '89



One Off - 60 ft 1988 Racer Andelsbanken '88





X-512 1991 C/R



X-412 1990 C/R First of new IMS style



X-302 1994 C/R Premiere August '94



X-382 1992 C/R



X-332 1994 C/R Premiere September '94



IMX-38 1992 R/C Offshore One Design



One Off 1988 Racer 3/4 Ton 1993



X-362 1993 C/R

means One Design Class

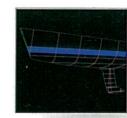
means Cruiser/Racer

means Racer/Cruiser

ODC:

R/C:

X-442 1993 C/R



X-612 1995 C/R Premiere 1995



# Marco Polo

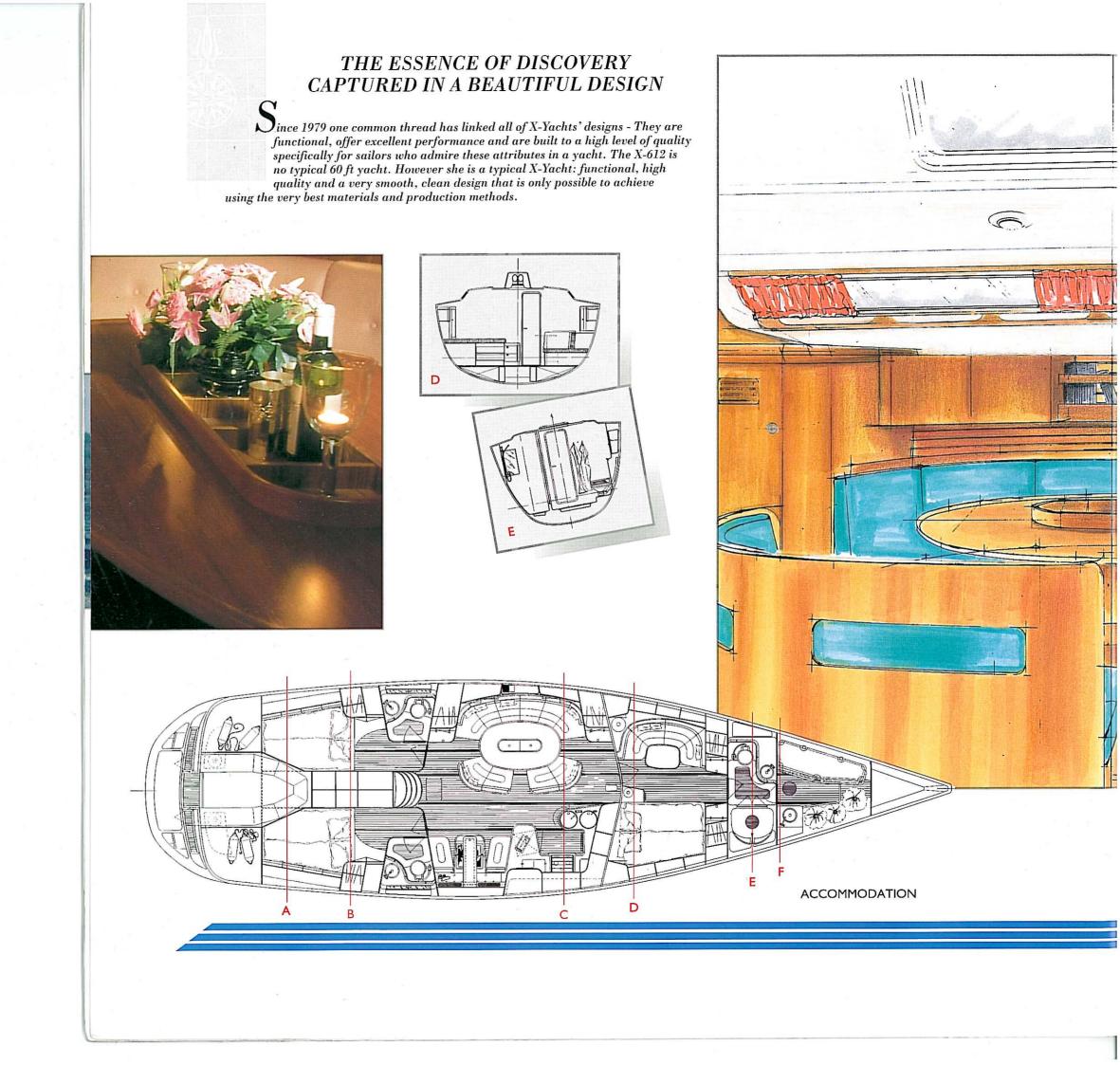
1254 - 1324

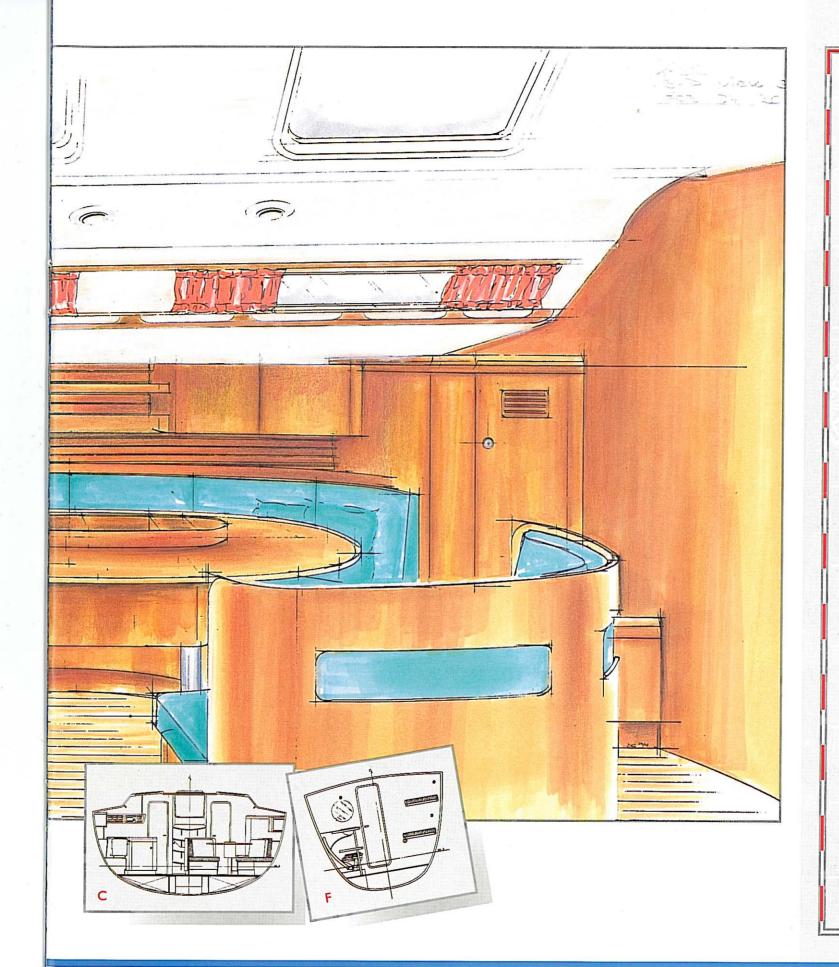
The man behind the most adventurous discovery expedition ever made was born into a Venetian noble family. His first expedition went to the Far East and took more than 26 years. After all these years of traveling in foreign lands he unexpectedly turned up in Venice where he was long believed dead and his properties taken over by strangers. He was the first European to ever fully describe the unknown cultures of Asia
where he studied



Egypt. From there he traveled overland through India and China and on to Peking. On his long journey home Marco Polo sailed a Chinese Junk from China south of India.









# **Christopher Columbus**

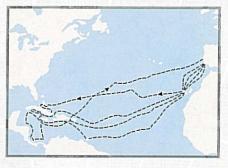
1451 - 1506. Genoa

Serving as a sailor for the Spanish court, Christopher Columbus sailed West via the Canaries in 1492 in search of an alternative trade route to India and China. Columbus made his landfall in the Bahamas, and later Cuba and Haiti. Between 1493 and 1496 he sailed Southwards to

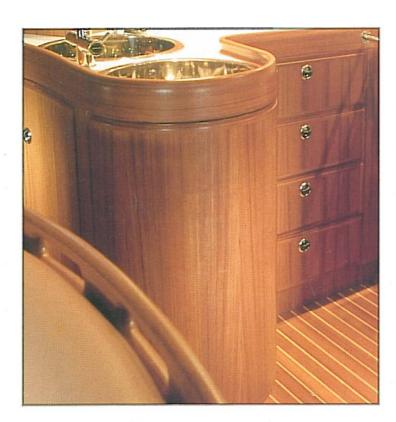
Southwards to
Dominica, PuertoRico and back to Haiti where he established a colony

Haiti where he established a colony whose purpose was to explore the mountainous interior of the island. In 1498 he equipped an expedition which again set off West, this time by way of the Cape Verde Islands.

This expedition was beset by many problems including lack of wind, but eventually they did reach Trinidad, and finally the coast of South America at Paria. In 1502 Columbus made his last trip to the Americas where he reached the West Indies, Honduras and further South along the coast to Darien Bay.



The main cabin provides space for more than 10 around the large table. A welldesigned galley with built-in freezer, refrigerator, oven and sinks, all designed to make entertainment at sea or in harbour a pleasure - not a hardship.

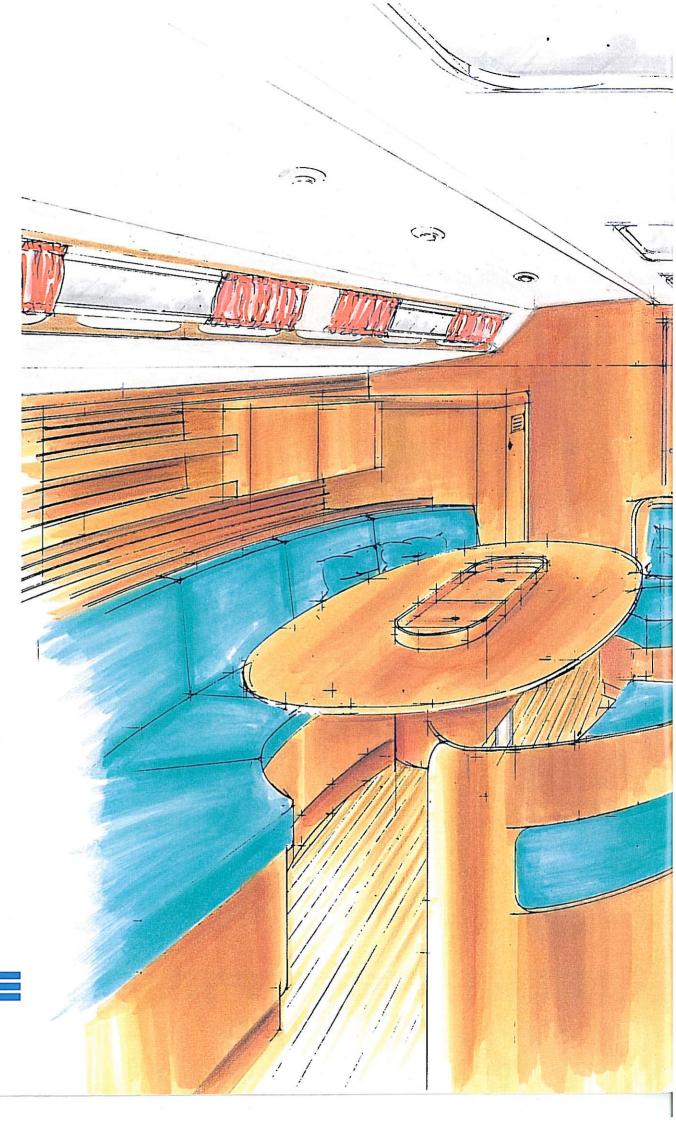


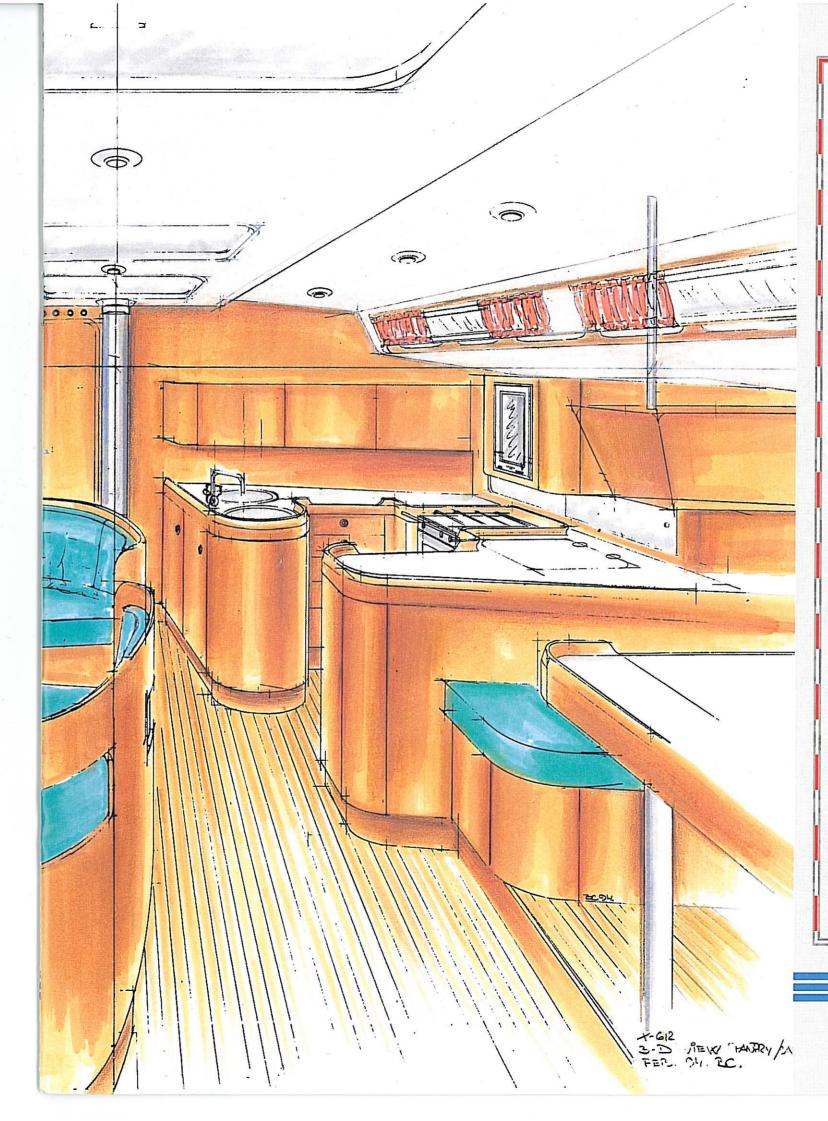
X-Yachts' laminated handrails and 'constant camber' bulkheads are built using only the highest quality timbers and veneers for maximum strength, durability and beauty.



Experiences from earlier voyages of discovery have led us to use only the very best equipment, all installed with rigorous attention to detail.





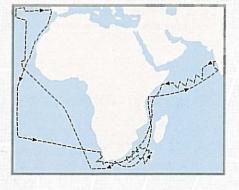




# Vasco da Gama

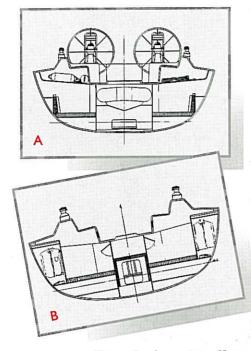
1460 - 1524. Portugal

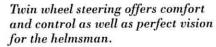
Vasco da Gama is one of the most renowned early navigators. In 1497-99 he sailed from Lisbon, and after many struggles reached the Cape Verde Islands. From here his expedition sailed West towards the Americas. However when only 600 miles from the American coast he turned back towards Africa where he followed the coast southwards from St. Helena Bay to Mossel Bay, Natal, Mombassa, and Malindi. From here he sailed across the Arabian Sea to India where he made landfall at the port of Kozhikode (Calicut) in Southern India. In 1948 the expedition headed homewards for Portugal only narrowly escaping the clutches of hostile natives. In 1502 Vasco da Gama once again returned to the Indian sea port of Calicut, but this time as part of a well armed military expedition.



## THE BEAUTY OF EXCELLENT PERFORMANCE AND COMFORT

Dince the very start of X-Yachts, outstanding performance has been the main trait of all our yachts. This has been achieved through building our hulls strong yet light - with the benefit of sandwich construction, and taking great care with the balance of the yacht when locating all heavy items of equipment. The 950 kg massive steel floor frame is glassed into the solid bottom laminates of the hull. Tanks and batteries are placed centrally and low down in the yacht. Be prepared for the start of a great adventure.





Engine, generator and water maker are placed with easy access under the cockpit. Provision is also made for inside storage of a 3 m rigid hulled inflatable tender which is launched and recovered through an opening transom door (Optional).

PRELIMINARY DIMENSIONS: L.O.A. 18.29 a L.W.L. 16.15 a

Shallow draft ver. - min.

Displacement empty Engine diesel

B. Max.

Ballast

Draft std.

18.29 m 16.15 m

5.10 m 2.90 m

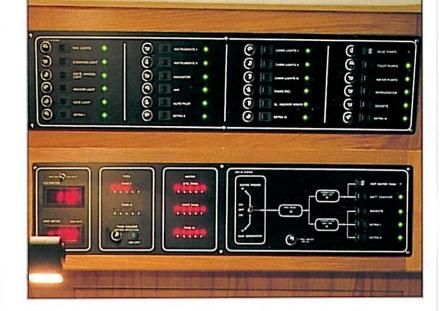
2.20 m

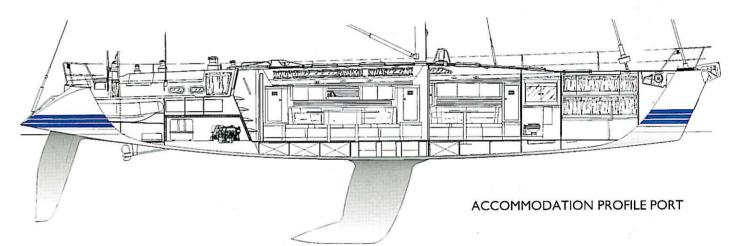
9.100 kg

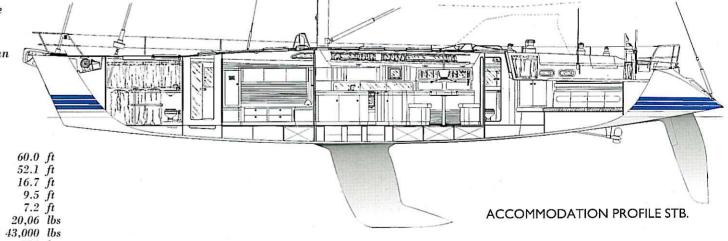
 $19.500 \, kg$ 

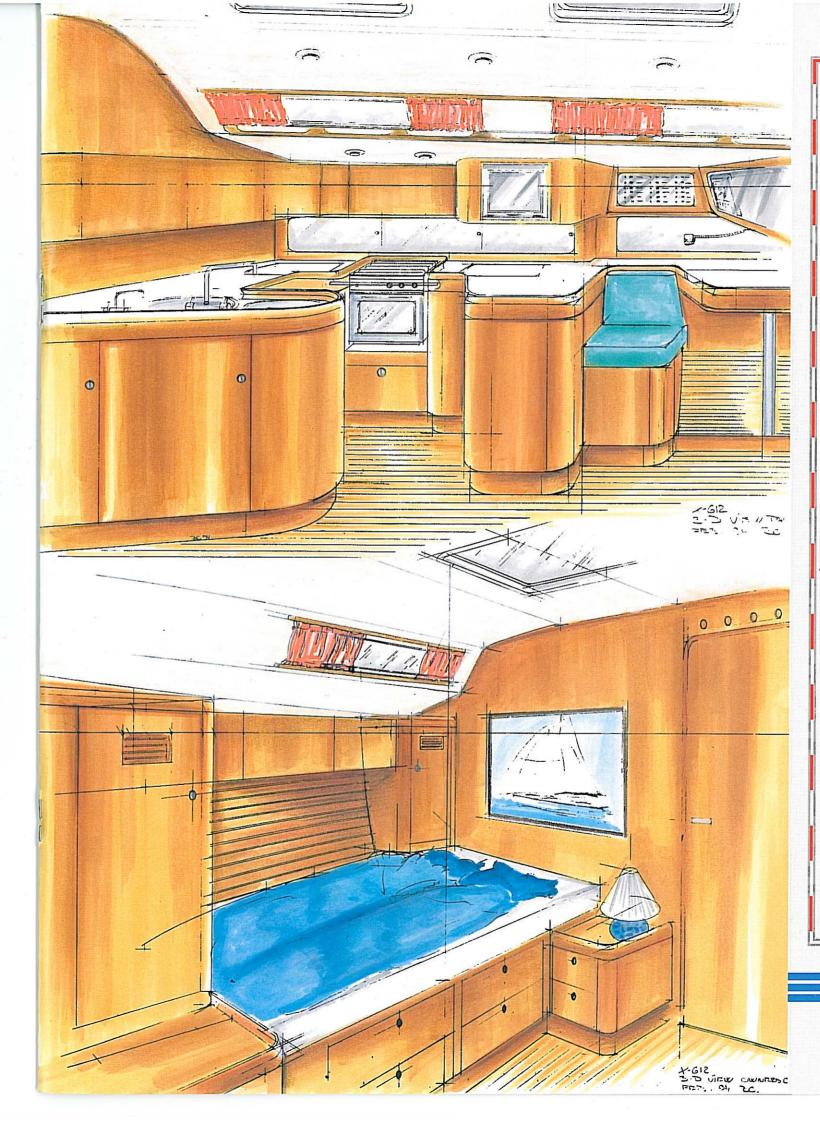


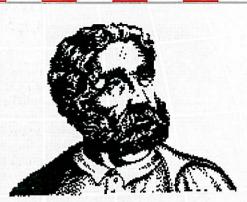












# Ferdinand Magellan 1481 - 1521. Portugal

In 1505 Ferdinand Magellan sailed to Goa and Calicut in India. He then worked his way south through the Strait of Malacca calling in Sumatra and the Spice Islands and finally to Ternate in Maluku Sea, East of Sulawesi. He gave up his Portuguese citizenship in 1517 after King Manuel had refused to finance his expedition to discover a westerly route to India. Under Spanish patronage his famous expedition that would culminate in the first circumnavigation started out in 1519. Magellan's fleet sailed via the Canaries to Cape St. Augustine, Rio de Janeiro, Rio Santa



Rio Santa Cruz, and finally around the last great Cape -Cape Horn. From Tierra

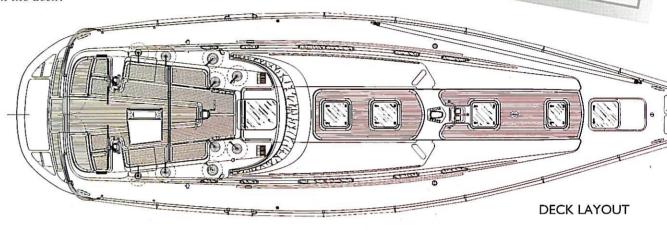
del Fuego the expedition sailed West across the South Pacific to the Philippine Islands. Ferdinand Magellan died on Mactan Island but the fleet continued under his second in command and entered the history books.



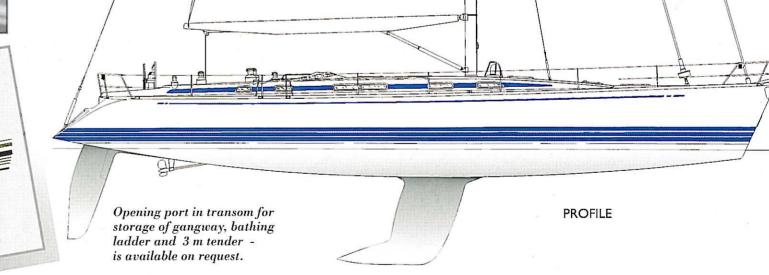
## BEAUTIFUL, COMFORTABLE AND FUNCTIONAL

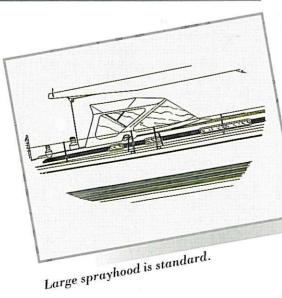
Unlike most of the 60 ft cruising yachts, the X-612 has a large cockpit where most movement from the cabin companionway to the area aft of the wheels is made easy by the absence of a cumbersome bridge deck. Strong emphasis was placed on providing the X-612 with a large and comfortable cockpit from which you will be in control of your adventure, and will offer you a ringside seat where you can enjoy the power and mystery of the natural world. The large cockpit table with built in ice box can also be supplied with a cooling unit. On many yachts of this size the sprayhood is installed as an afterthought.

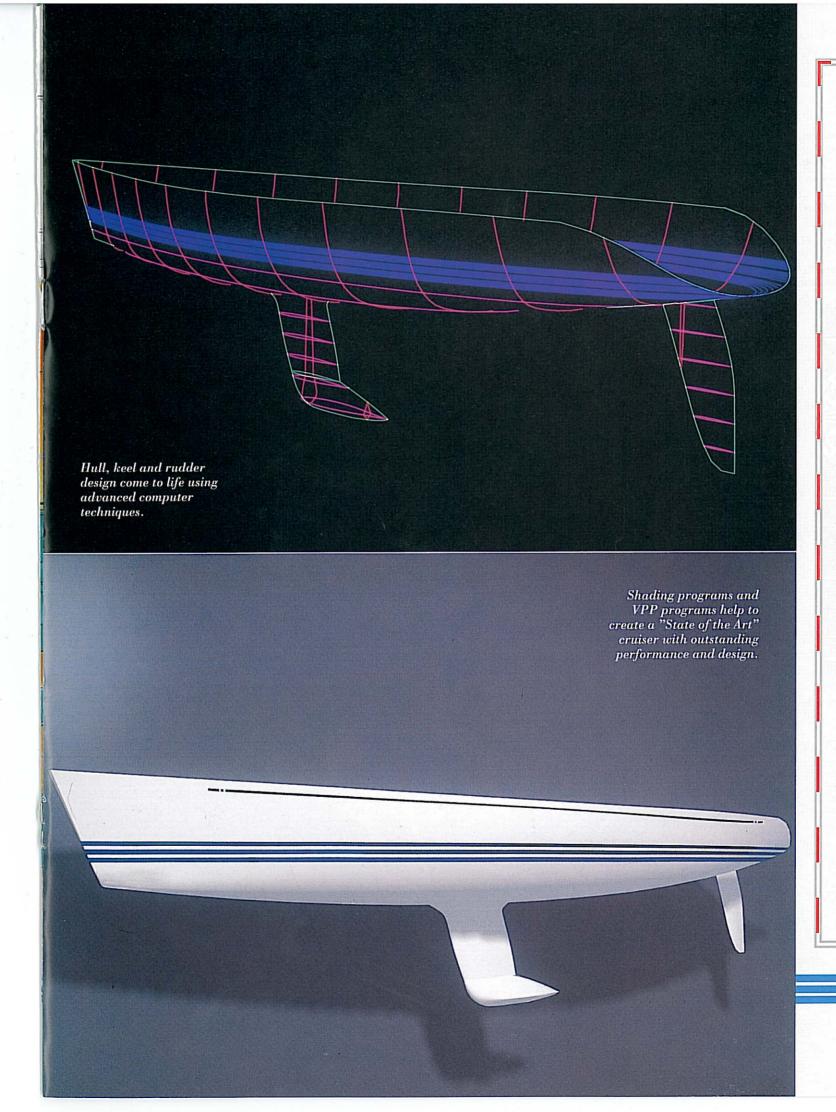
On the X-612 we have designed a sturdy sprayhood that is an integral part of the yacht. When raised it provides excellent protection for the crew and yet it stows neatly away in seconds into a covered storage in the deck.



Teak in the cockpit and bathing platform is standard. Teak on the central coachroof and side decks is available on request.







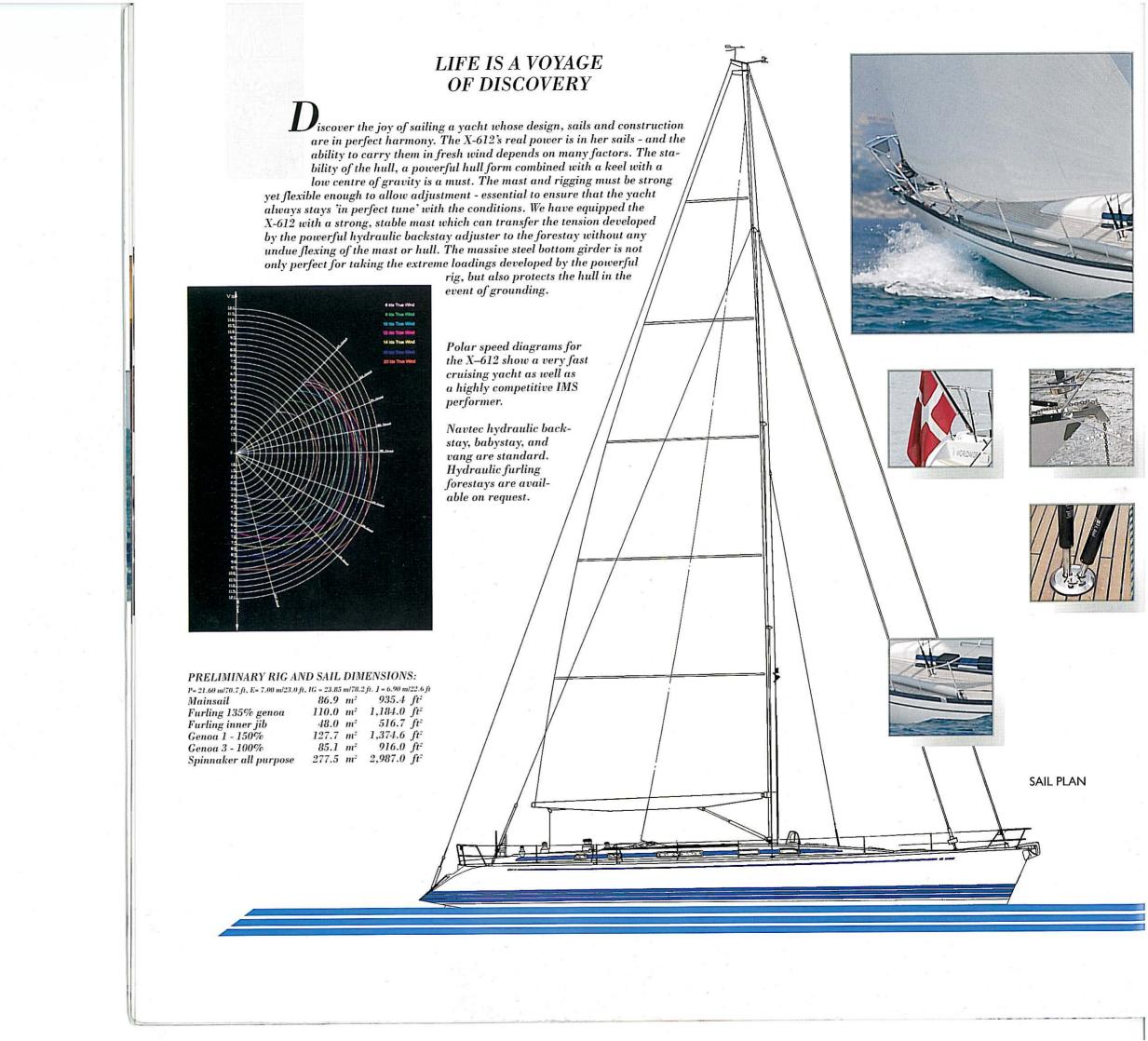


# Vitus Bering

1681 - 1741. Denmark

In 1725 Vitus Bering traveled from St. Petersburg, through Siberia to Okhotsk, from where he sailed to Kamchatka. From the East coast of the Kamchatka peninsular he sailed North through the sea that now bears his name, and around the East Cape, thereby proving that Asia and America were not connected. On the same expedition he sailed East into the Bering Sea but discovered no land. He returned to the area in 1730 and in 1740 he mounted a large expedition which sailed from Peropavlosk on Kamchatka to Kayak Island and on to the coast of Alaska. He died on the reurn voyage on the island that now bears his name.







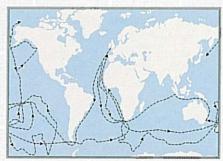


# **James Cook**

1728 - 1779. England

Captain James Cook took part in the expedition of the English Navy to Canada in 1759. He participated in the battles of Louisburg and Quebec and surveyed the St. Lawrence River. He rounded Cape Horn in 1768-69 and paid a visit to the Society Islands and Tahiti. Later the expedition sailed on to New Zealand, traveling North along the East coast of the North Island and back

East coast of the North Island and back
South to the Cook Straight.
From New Zealand the expedition
went to Australia, Timor and along the
West coast of Africa before returning
to England. In 1772-74 Cook sailed
past the Cape of Good Hope and
through the Roaring Forties to New
Zealand. He traveled south into the
Antarctic, and North to Tahiti and
Easter Island. In the years 1776-79 he
sailed both Arctic and Antarctic waters
on some of the World's longest sea
expeditions.



### PRELIMINARY SPECIFICATION X-612 - MARCH 1994

#### PLAN APPROVAL

The X-612 has been built in accordance with ABS Hull Certification. Inspection by ABS surveyor is on request.

#### HULL/DECK

Isotalic Polyester sandwich construction with biaxial, triaxial and fouraxial E-glass fabrics. Core material is 25 mm divinycell with different densities. Solid laminate around keel, rudder, and through hull fittings. Bathing platform at transom standard. Transom with port for rigid bottom inflatable tender on request.

#### STRUCTURAL BULKHEADS

Marine plywood, varying in thickness from 16 - 24 mm securely bonded to both hull and deck.

#### STEEL FLOOR GIRDER

Hot galvanized TPS steel sections. The frame takes up the loads from keel, mast, and rig. Central lifting hoist attachment.

#### KEE

9.104 kg antimony hardened lead keel with cast iron top flange.

#### ANTIFAULING

Hull surface matsanded plus 3 x epoxy and 3 x bottom treatment.

#### RUDDER/BEARING

Rudder blade hand laminated triaxial E-glass. Rudder stock tapered aluminium stock. Lower rudder bearing: 3 rows of needle bearings. Top rudder bearing: 2 rows of needle bearings.

#### **DECK EQUIPMENT**

Twin steering - 2 pcs 110 cm diameter black coated aluminium double spoke wheels covered with white leather. 2 SUUNTO 165 mm compasses on top of the 2 pedestals. Spare tiller. Side chainplates connected to bottom frame. Forestay chainplate and bow fitting with double bow roller and loop for headsails. Backstay chainplate. Pad eyes for runners, spinnaker blocks and pole downhaul block. Black anodized aluminium toerail (when teak deck is ordered - a teak toerail is optional), 3 fairleads in each side. 16 s/s stanchions with bases. One gate on each side. Pulpit with red and green navigation lights. 2 pushpits, flagpole holder, stern navigation light. Double s/s lifelines. S/S bathing ladder. Teak-laid deck in cockpit, at cockpit seats, cockpit floor, and aft seats. 6 s/s mooring cleats. 4 pcs 20 m x 16 mm mooring warps. 1500 W Lofrans/Falcon electrical anchor winch with remote control unit.

1/2" kedge line, 30 m. 30 kg Bruce kedge anchor

1 mainsheet track 205 cm x 32 mm

2 genoasheet tracks 600 cm x 32 mm

1 double Toulon ball bearing car for mainsheet. 2 genoa car fairleads with stop buttons. 2 genoa car fairleads with double Toulon ball bearings /adjustable under load. 2 blocks/stoppers for genoa car adjustment under load. 12 Spinlock Grand Prix stoppers (or similar).

Genoa sheet winches: 2 x Harken B74.3 STA\*
Secondary winches: 2 x Harken B64.3 STA\*
Halyard winches: 2 x Harken B56.2 STA\*
Runner winches 2 x Harken B48.2 STA\*
\* or similar

6 x 10" double handles with lock.

Main sheet: 1 14 mm 60m Spectra Main sheet trav.: 2 8 mm 08m Poly Genoa sheets: 2 14 mm 30m Spectra 22m Genoa car adj.: 2 10 mm Spectra Cunningham line: 1 10 mm 05mRunners: 2 12 mm 17m Spectra Fenders white: 6 250 mm Ø (airfilled rubber)

#### Portlights:

2 x Lewmar size 4 fixed 197 x 710 mm 4 x size 4, openable 193 x 649 mm 2 x special, fixed 193 x 140 mm 2 x size 3, openable 193 x 451 mm 2 x special, openable 193 x 451 mm

Deck hatches:

3 size 70 695 x 695 mm 1 special 486 x 695 mm 1 slide hatch 767 x 767 mm

Cockpit table: (removable) w. selfdraining icebox.

Sprayhood: in blue canvas housed in built-in deck storage.

Mast/deck collar with pad eyes for deck blocks and halyard parking. 2 Dorade vents in front of mast protected by s/s hoop. Drained anchor box forward with s/s hinges and lock. 4 cockpit lockers with s/s hinges and locks. 4 s/s hand rails at companionway and at cabin top. S/s anchor chain fitting with double rollers. Space in cockpit for panel for autopilot protected by plexiglas.

#### ENGINE INSTALLATION

Fresh water cooled 110 HP, 4 cyl. diesel Yanmar 4 LH 2-D, 80 amp alternator, 35 mm diameter s/s shaft, greased inner bearing, 600 mm threebladed Max Prop.

Diesel tank: 800 ltrs s/s, baffles, deck fill, water separator and shut-off valve.

Engine instrument panel integrated into the cockpit coaming and protected by plexiglas. Single lever control at the SB wheel console.

#### MAST & RIGGING:

Sparcraft Blue Label silver anodized 3 spreader tapered mast (masthead). Windex with light, steaming light, and deck light. Silver anodized boom, tapered at both ends, track and car for outhaul and 2 reefs with jammers. NAVTEC hydraulic pumpstation system 5 with multi-

function operating permanent backstay, vang, and babystay. Spinnaker pole and fittings on request.

#### Standing rigging:

Discontinued rod rig, rod forestay, rod inner forestay, rod permanent backstay, wire babystay. Wire runners.

#### Running rigging

1 spinnaker halyard, 2 genoa halyards, 1 main halyard. Halyard for inner forestay. Spectra halyards with shackles spliced on.

#### FRESH AND SEA WATER SYSTEM

Hot and cold pressure fresh water. S/s tanks with capacity of 700 Itr. Water maker type Sea Recovery 80, 300 Itr/day. (Power consumption 8 A/h = 192 amp/day). The hot water system 40 Itr (80°C) heated by shore power 220V and engine cooling water. Sea water inlet through sea cocks for galley, engine cooling, and toilet flushing. Electrical pump for sea water at galley sink.

#### ELECTRICAL SYSTEM

X-Yachts' main switch board incl. 3 digital outreads for tank, electrical power charging, and consumption. Thermo fuses. 70 Ah main engine start battery 700 Ah service battery capacity

#### Diesel generator

6 kw 2-cyl. diesel generator type Fisher Panda, in insulated box.

Engine based 80 Amp/12V alternator. 220 v shore power with 2 pcs. 12 v 50 Amp battery charger. Shore socket located aft, circuit breakers (Thermo and short circuit) on shore supply, switch board mounted breakers for hot water, accommodation power and battery charger. 220V sockets in each cabin and in the galley.

#### Below deck

Adequate low consumption halogen lighting throughout the interior plus 2 chart-table lights and adequate lightening in engine compariment. Footlight throughout the main cabin.

#### Above deck

Deck flood light and 2 compass lights. Separate red+ green bow navigation lights. Steaming light.

#### BILGE / BILGE PUMPS

Two manual bilge pumps - one in cockpit leading from keel sump - one under the berth in stb. aft cabin. Automatic electrical bilge pump (with acoustic alarm) leading from the centre keel sump. 4 separate electrical bilge pumps draining toilet/showers.



#### ACCOMMODATION

The yachts' wooden interior is built of teak with hand polished satin finish. All joinery is built in accordance with the best yacht practice and the number of visible screws has been reduced to a minimum, and carefully designed to show off the fine wooden interior. The innerlining has integrated dome halogen spot lights. All windows and hatches are equipped with curtains and blinds. Handrails are fitted throughout.

#### Entrance:

Sliding hatch 15 mm plexi. Washboard 12 mm plexi glass. Entrance ladder: curved laminated teak with anti-slip surface.

#### Main Cabin Port side:

2 Wardrobes. 1 large sofa and 2 settees surrounding the oval table with bar. The lockers behind the large sofa are prepared for bottles, glasses, and books. Freeboard lining is teak battens.

#### Main Cabin SB side:

Adequate navigation compartment (ample space for modern navigation and communication equipment and the yachts switch board). Navigation table incl. 2 seats/working stations. One for the navigator with el-switch panel for navigation instruments and communication. Another one on the other side of the navigation table with elswitch panel for the service facilities on the yacht. In the chart-table ample space for charts and alongside a locker for navigation equipment.

#### Gallev:

In front of the navigation station is the very functional galley designed for offshore operation. 140 ltr. front opened electrical refrigerator. 180 Itr. top opened selfdraining cooling box prepared for deep freezer/cooling compressor. Gimbaled s/s gas oven with 3 jets. Above the oven an electrical compartment with a water powered cooker hood covered by the galley upper tight sandwich composite cabinet section, which allows clients the choice of a microwave oven and entertainment centre bunks, sink and toilet for (colour TV, video, stereo, CD/cassette, radio). 2 large/deep s/s sinks with mixer taps for fresh water. Pressurized sea water with tap. Plenty of space above and below table tops for food and galley equipment.

#### Aft cabins:

Two large cabins each with own head/shower. double berth, wardrobe and locker with shelves.





and a large shelf outboard and cabinets at yachts centreline. Separated by a sound reducing sandwich bulkhead. Freeboard lining is teak battens.

#### Owners cabin:

Port side: large sofa with fixed table. I wardrobe. Lockers and shelves above the sofa. Freeboard lining is teak battens.

Starboard side: large double bed with night table and I wardrobe. Lockers and shelves above the double bed. Drawers below owners bed. Freeboard lining is teak battens.

#### Head/Showers (GRP Units):

Aft cabin heads: two heads - one in each side with: shower mix tap, flushing toilet, front opened lockers with mirrors, soap and paper holder, holders incl. cups, hook for towel and s/s handrail, s/s sink and teak grating. Under the teak grating an el-pump leads the water from the shower outboard through the hull fitting.

Owners head: one head with mix taps for sink and shower, flushing toilet, lockers, soap and paper holder, holders incl. cups, hook for towel and s/s handrail, s/s sink and teak grating. Under the teak grating an el-pump leads the water from the shower outboard through the hull fitting. Owners cabin has own separate shower compartment, with entrance from the head.

Cushions: Cushions with upholstery with 2 different density layers of cold foam. Standard upholstery of 100% cotton - see X-Yachts' samples. On request Alcantara or leather.

Sail cabin / Crew cabin: Forward in the yacht there is a sail locker separated from the owners head compartment with a waterbulkhead. Two hinged frame professional crew. Free-board in crew cabin is lined with nylon pockets for crews personal gear.

#### FIRE EXTINGUISHERS

4 dry powder fire extinguishers - each 2 kg.



## Alexander von Humbolt

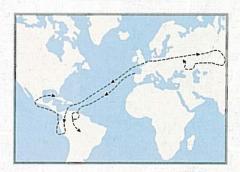
1769 - 1859. Germany

In 1799 Alexander von Humbolt traveled from Europe to the mouth of the river Orinoco in South Ameri-



ca. With his expedition he established that the Orinoco river was connected to the Amazon River (via the Casiquiare river). In 1800 he voyaged to Cuba and later to Lima in Peru from where he explored the source

of the Amazon. In 1803 Alexander von Humbolt traveled to Acapulco and then on to Mexoci City with detours to Guanajuata and Jalapa. His journey home took him from Vera Cruz and went via Philadelphia and across the Atlantic. In 1829 he journeyed to Moscow and from there on to Perm to explore Siberia. Humbolt paid visits to Tobolsk, traveled down the river Ob and returned to Moscow via Omsk. From Omsk he sailed down the Volga to the Caspian Sea and by land from there to Don.



-Yachts was established in 1979. Throughout the Eighties, X-Yachts became famous at the international level by designing and building very fast offshore racing yachts. More than 2000 yachts built to date, among them nearly 100 X-3/4 tonners. This design ranks as one of the most successful offshore yachts ever produced, winning the 3/4 ton cup a total of 6 times. We have also built 25 X-1 ton yachts, and have won the coveted 1-ton cup twice with these designs as well as finishing top points yacht in the Admiral's Cup series. X-Yachts introduced a line of One-design racing yachts such as the X-79, X-99, X-119, and most recently the IMX-38 and a range of 7 cruiser/racer models which included the X-312, X-342, X-372, X-402, and X-452. In concert with these achievements and activities, X-Yachts established a strong International dealers network.

In 1990 a new generation of X-Yachts was born with the launch of the X-412. Freed from the constraints of the IOR rule, the X-412 was an instant success. She offered a strong seaworthy hull, excellent accommodation, and yet proved herself a potent performer on both CHS and IMS. Parallel to the increasing popularity of CHS and IMS and the success of the X-412 it was not long before the new range of X-Yachts was expanded with: X-512, X-382, X-442, and X-362. The X-612 is a natural extension of the new generation of X-Yachts. The most advanced production methods are to be used, which combined with the skills of a highly experienced and progressive X-Yachts crew will allow us to fulfill our dream of creating the true 'Blue Ocean Explorer' - the X-612.





Lars Jeppesen, World Class racing sailor, is responsible for quality control, purchasing, Boat Shows and after sales service.

Birger Hansen, experienced cruising and racing sailor, fibre glass specialist handles production and is in charge of the Scandinavian market.





Niels Jeppesen, accomplished cruising and racing sailor, is responsible for design and development of new models.



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