



Sail Training Vessels

THE BEST NAUTICAL AND NAVIGATIONAL TRAINING

DAMEN



From purpose built
to auxiliary mission
adaptability”



THE BEST NAUTICAL AND NAVIGATIONAL TRAINING

Sail Training Vessels

Damen helps customers give the best nautical and navigational training possible with our Sail Training Vessels. Naval cadet training has never been so easily put into practice.

The Sail Training Vessels are also used as an ambassador of the country of origin by participating in tall ship races (STI) with other navy training vessels from all over the

world. The Sail Training Vessels are designed in cooperation with Dykstra Naval Architects for optimal sailing performance.

Sail Training Vessel

- › Naval cadet training
- › Nautical training
- › Navigational training



General

Length o.a.	82-107 metres
Displacement	1150 - 3000 tonnes
Sail area	2630 - 3500 m ²
Crew + trainee	85 - 240 persons
Rigging type	Square, full-rigged



Sail Training Vessel

82 - 96 METRE CLIPPER



» Pictured: Stad Amsterdam

Main particulars

Hull type	Clipper
Rig type	3 mast barque or full rigged
Purpose	Sail training, cruise ship or yacht
Design	Dykstra Naval Architects

Main dimensions

Length waterline	60.0 m
Length over hull	65.5 m
Length over spar	82.3 m
Beam moule	11.1 m
Dept	6.8 m
Design draf	4.9 m
Air draf	49.7 m
Displacement (approx. full load)	1150 tonnes
Sail area	2630 m ²
Main engine	1x 800 kW
Range	2000 nm
Cruising speed	12 knots
Hull speed under sail	18 knots

Capacity (personnel)

Commanding Officer	1
VIP Guests	4
Officers	10
Senior Ratings	10
Crew	20
Trainees	40
Total	85

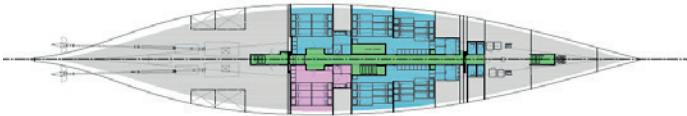
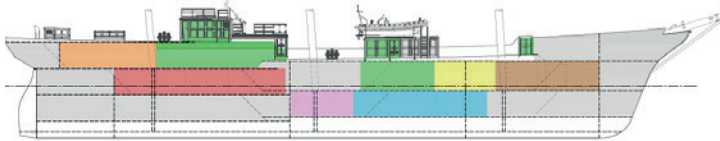
Design in detail



3 mast full rigged



3 mast barque



Public spaces Working spaces Officers VIP Guests Senior Ratings Crew Male trainees Female trainees

Sail Training Vessel

80 - 96 METRE CLIPPER



» Pictured: Cisne Branco

Main particulars

Hull type	Clipper
Rig type	3 mast barque or full rigged
Purpose	Sail training, cruise ship or yacht
Design	Dykstra Naval Architects

Main dimensions

Length waterline	70.4 m
Length over hull	76.5 m
Length over spars	96.1 m
Beam moulded	12.4 m
Depth	7.6 m
Design draft	5.7 m
Air draft	54.8 m
Displacement (approx. full load)	1820 tonnes
Sail area	3000 m²
Main engine	2x 900 kW
Range	2000 nm
Cruising speed	12 knots
Hull speed under sail	20 knots

Capacity (personnel)

Commanding Officer	1
VIP Guests	4
Officers	8
Senior Ratings	4
Crew	18
Trainees	80
Total	115

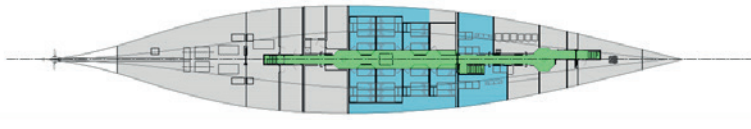
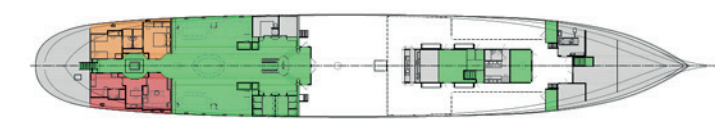
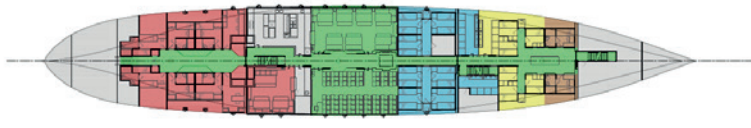
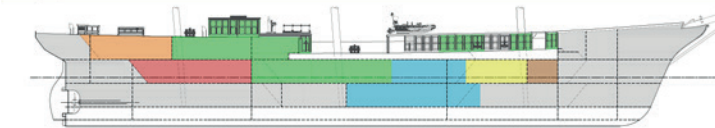
Design in detail



3 mast full rigged



3 mast barque



Public spaces Working spaces Officers VIP Guests Senior Ratings Crew Male trainees Female trainees

Sail Training Vessel

107 METRE WINDJAMMER



» Pictured: *Shabab Oman II*



Main particulars

Hull type	Windjammer
Rig type	3 or 4 mast barque or full rigged
Purpose	Sail training or cruise ship
Design	Dykstra Naval Architects

Main dimensions

Length waterline	84.6 m
Length over hull	95.5 m
Length over spars	107 m
Beam moulded	14 m
Depth	8.5 m
Design draft	6 m
Air draft	59.4 m
Displacement (approx. full load)	3000 tonnes
Sail area	3500 m ²
Main engine	2x 1200 kW
Range	2000 nm
Cruising speed	13 knots
Hull speed under sail	22 knots

Capacity (personnel)

Commanding Officer	1
VIP Guests	6
Officers	21
Senior Ratings	22
Crew	40
Trainees	150
Total	240

Design in detail



3 mast full rigged



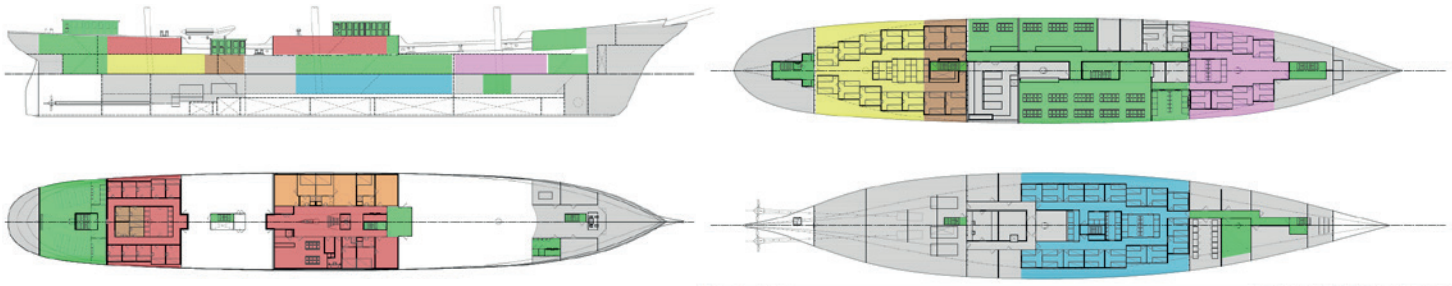
3 mast barque



4 mast full rigged



4 mast barque



Public spaces Working spaces Officers VIP Guests Senior Ratings Crew Male trainees Female trainees

TEAM DAMEN / DYKSTRA

Sail training ship

The cooperation between Dykstra & Partners and Damen Shipyards Group is a very successful one. The building of four significant ships is clear proof of this partnership: the sailing passenger clipper *Stad Amsterdam* and two Sail Training Vessels, the clippers *Cisne Branco*, *Shabab Oman II*. Both ships were designed by Dykstra & Partners.

The *Cisne Branco* was delivered to the Brazilian Navy in December 1999 which uses it for training Navy cadets. The *Cisne Branco* has proved herself well, already crossing the Atlantic on a number of occasions.

The *Stad Amsterdam* was delivered in the summer of 2000. This steel hulled three master is designed for a number of functions: sail training for young people (navy and civilian), luxury cruises and representing the City of Amsterdam. The *Stad Amsterdam* has been used nonstop since her delivery. She has crossed the North Atlantic Ocean more than 20 times in her short life and weathered several extreme storms without sustaining damage. In one of these severe storms (12 Bft), the *Stad Amsterdam* kept sailing on. The crew reported that the ship, notwithstanding her tall ig, felt very safe. In the years the *Stad Amsterdam* joint the STI Races she mostly finished in the top 3 of the A-class, consistently outsailing much larger competitors.

The *Shabab Oman II* was delivered to the Royal Navy of Oman in 2014 and immediately proved to be an excellent ship during her first trip from the Netherlands to Oman. This ship with an accommodation for 94 persons (male and female) shall normally be used in national and international representation activities to showcase the Royal Navy of Oman and Omani culture.

The *Polang 8* was built locally in China and delivered to the Peoples Liberation Army Navy in 2019 as a copy of the *Shabab Oman II*.

In the last twenty years Dykstra & Partners and Damen Shipyards have proven to be the ultimate building team. Together deliver the most advanced maritime sail training vessels and maritime team building instruments for any Navy or tall ship owner.



Barquentine



Brik



OCEANS OF POSSIBILITIES

Damen Shipyards

Damen Shipyards Group has been in operation for over ninety years and offers maritime solutions worldwide, through design, construction, conversion and repair of ships and ship components. By integrating systems we create innovative, high quality platforms which provide our customers with maximum added value.

Our core values are fellowship, craftsmanship, entrepreneurship and stewardship. Our goal is to become the world's most sustainable shipbuilder, via digitalisation, standardisation and serial construction of our vessels.

Damen operates 35 shipyards and 20 other companies in 20 countries, supported by a worldwide sales and service network. Damen Shipyards Group offers direct employment to more than 12,000 people.

Colophon

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DAMEN

Damen Shipyards Group
Avelingen-West 20
4202 MS Gorinchem

P.O. Box 1
4200 AA Gorinchem
The Netherlands

+31 (0)183 63 99 22
info@damen.com