



## DAMEN SAILING TRAINING VESSEL 2630 UNDER CONSTRUCTION

### GENERAL

Yard number	557001
Delivery date	October 2014
Basic functions	Sail Training
Classification	Lloyds Register; *100A1, *IWS, *LMC, UMS, CACc
Owner	Royal Navy of Oman
Designer	Dykstra Naval Architects

### DIMENSIONS

Length o.a. (over deck)	84.70 m	(67.90 m)
Beam mld.	11.10 m	
Depth	6.70 m	
Draught maximum	5.10 m	
Air draught above base	49.50 m	
Displacement max.	1250 t	

### SAIL (AREA) COMBINATIONS

Running rigging max.	2630 m <sup>2</sup>
Windward	2270 m <sup>2</sup>

### TANK CAPACITIES

Fuel oil.	56 m <sup>3</sup>
Fresh water	24 m <sup>3</sup>

### PERFORMANCE (APPROX.)

Speed under sails	18.0 kn
Speed on engine power	11.5 kn

### PROPULSION SYSTEM

Main engine	2x Caterpillar C32-ACERT
Power	2x 634 kW @ 1800 rpm.
Propeller	2x 1625 mm CPP, fully feathering
Bow thruster	1x 315 kW E-driven fpp.

### AUXILIARY EQUIPMENT

Generator sets	3x Caterpillar C9, 215 kW @ 1800 rpm.
Emergency generator set	1x Caterpillar C4.4, 95 kW @ 1800 rpm.

### DECK LAY-OUT

Anchor winch	2x vertical chain wheel and mooring head
Capstans	6x e-driven, traditional look, 4 tons pull
Deck crane	2400 kg @ 7.5 m reach
Ridged Inflatable boats	2x 7.2 m RIB with 240 hp engine
Rescue boat	4.2 m SOLAS approved boat
Liferafts	8x 20 persons SOLAS approved

### ACCOMMODATION

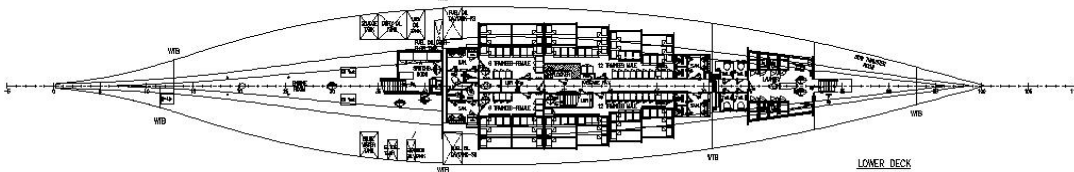
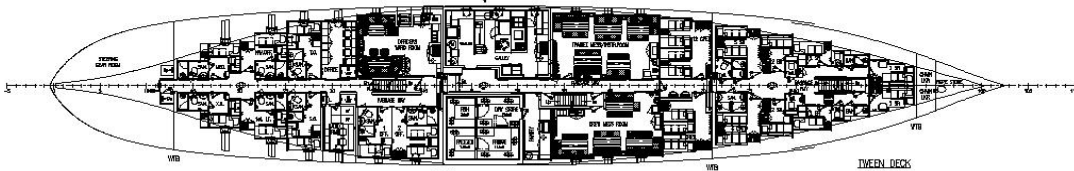
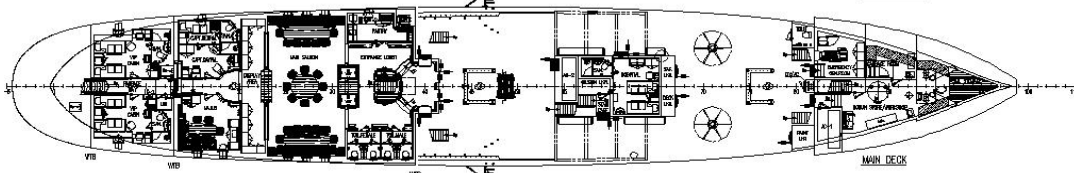
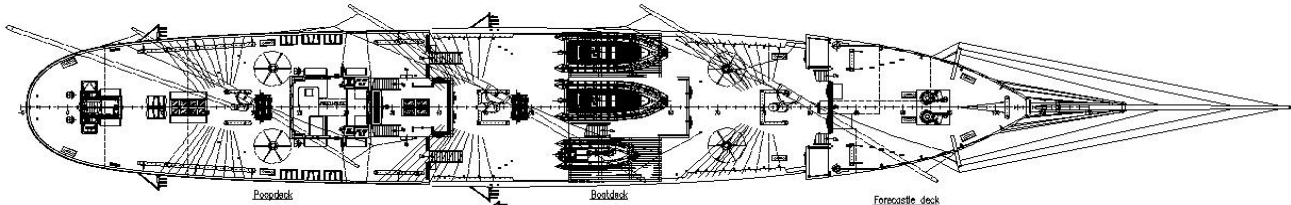
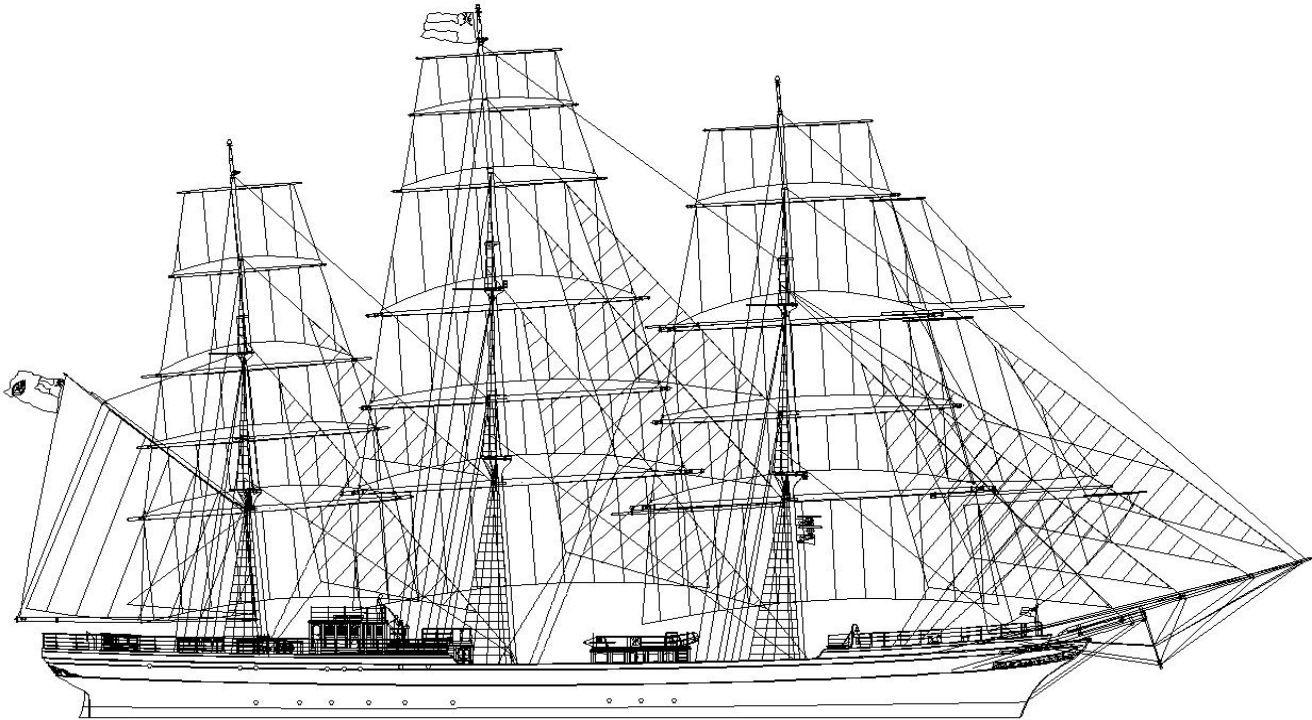
VIP Guests	For 4 persons in 2 x 2 berth cabins
Crew	For 54 persons in 1, 2, 6, 9 and 12 berth cabins
Trainees	For 36 persons in 6 and 12 berth cabins
General	Lobby with toilet facilities, Main saloon and display area, Majlis, Hospital, officer's ward room, trainee and crew mess.

### NAUTICAL AND COMMUNICATION EQUIPMENT

Radar systems	2x X-band system
General	Incl. gyro compass, autopilot, ECDIS, 2x DGPS, echo sounder, speed log, VDR
Internal communication	Telephone, Public address system, sound powered telephone system
CCTV	4x Camera with central workstation
External communication	GMDSS Area A3
Satellite communication systems	2x Inmarsat-C, 2x Inmarsat-F
Additional systems	Airband receiver, GSM, AIS
Military radio systems	HF transmission, VHF/UHF transceiver, Message handling system, Crypto

### RIGGING SYSTEMS

Masts	Three (3) masts (steel/aluminium)
Spars	Aluminium
Standing rigging	Stainless steel
Sail handling	2x Jarvis winch system
Sails	Total 26 sails being; 16 square sails, 9 staysails, 1x spanker, 6x studding sails
	Sail are made of Dacron materials



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**DAMEN**

DAMEN SHIPYARDS GORINCHEM

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