



POLLUTION CONTROL VESSEL 8313

“ARCA”

GENERAL

Yard number	6797
Delivery date	June 1998
Basic functions	Oil pollution recovery and Hydro-Oceanographic research
Classification	Bureau Veritas ✱ I 3/3 E, special service/research vessel/oil recovery ship, deep sea, ✱ Mach, ✱ AUT-MS, ✱ ALS
Owner	Ministry of Transport, Public Works and Water Management, North Sea Directorate, The Netherlands

DIMENSIONS

Length overall	83.02 m
Beam overall	12.80 m
Depth	6.85 m
Draught design	4.50 m
Draught maximum	5.70 m
Deadweight	2000 t

TANK CAPACITIES

Recovery oil cargo	1060 m ³
Fuel oil	200 m ³
Fresh Water	175 m ³
Ballast Water	360 m ³

PERFORMANCES (TRIALS)

Speed	13.0 kn
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PROPULSION SYSTEM

Main engines	AC electric motors
Output	Max. 2x 1230 Kw/1000 rpm
Propellers	2x Azimuth thrusters (FPP)
Bow thrusters	600 kW (FPP) electrically driven

ELECTRICAL INSTALLATION

Generator sets	2x Caterpillar 3512B, 1056 kW, 690 V 2x Caterpillar 3508B, 858 Kw, 690 V 1x Caterpillar 312.5 kVA, 400 V, aux. set
Power	690/400/230 V 50 Hz, 24V DC emergency

DECK SYSTEMS

Deck cranes	1x 1 t @ 8.5 m at bow 1x 10/20 t @ 11.0 / 8.0 m at stern 1x 10 t @ 11.0 m at midship 2x 7 t for oil recovery booms 1x A-frame on stern, 6 ton
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OIL POLLUTION RECOVERY SYSTEMS

Oil recovery booms	2x 15 m sweeping arms with oil pump, 450 m ³ /hr. capacity each
Inflatable booms	2x 200 m on a hydraulic reel system
Skimmers	Various types of portable oil skimmers General assistance workboat 9.6 m Demulsifier & gasoil injection system

ACCOMMODATION

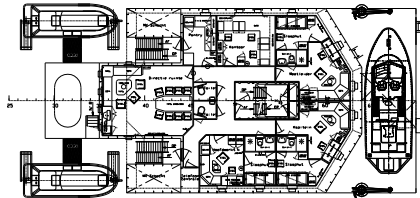
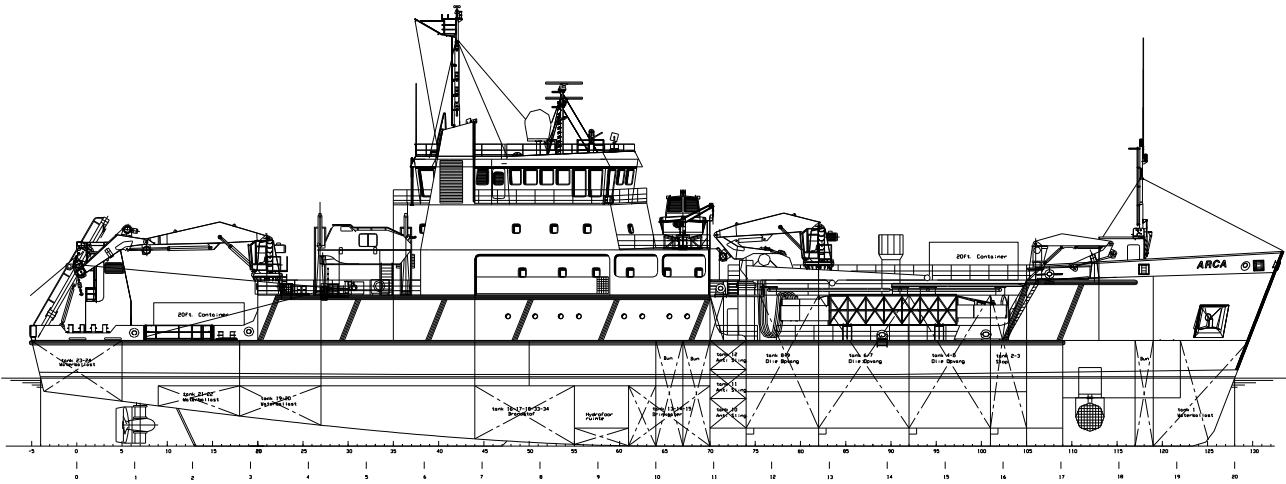
Fully air-conditioned for 21 persons in 1-/2-berth cabins, with heating and ventilation system.

NAUTICAL AND COMMUNICATION EQUIPMENT

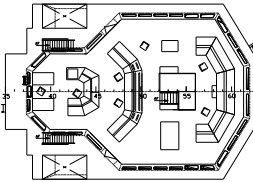
Radio equipment according to GMDSS rules for Area-A3. A power- and ship's management system with integrated ECDIS. Extensive hydrographical measurement systems with obstacle avoidance sonar, multi-beam echo sounder, DGPS positioning system, heave compensation, etc.

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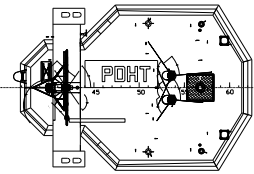
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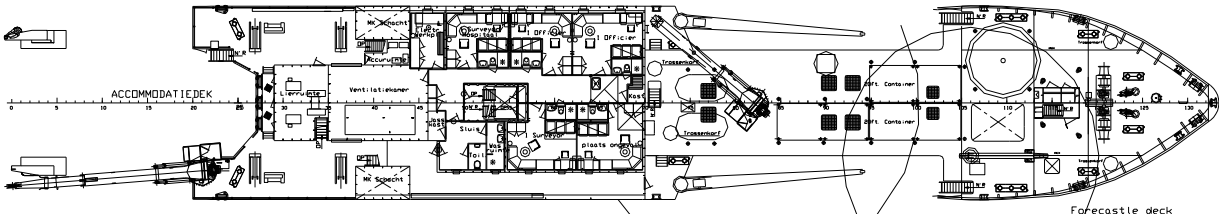
Accommodation deck



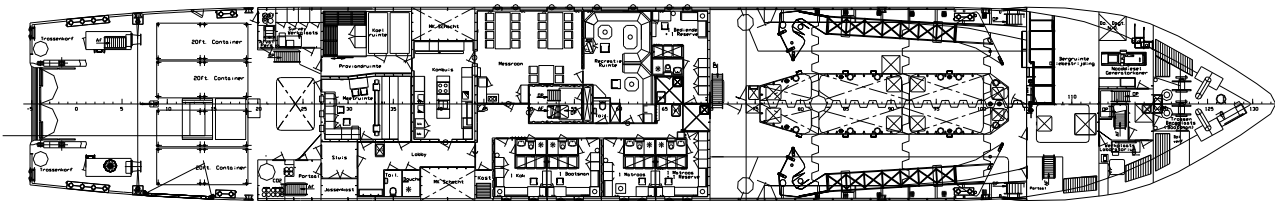
Bridge deck



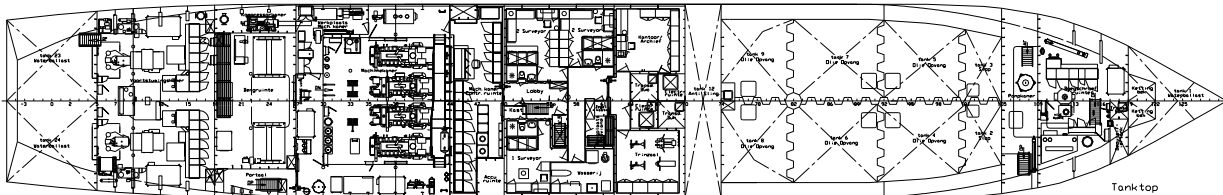
Top deck



Forecastle deck



Main deck



Tank top



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