



# FISHERY RESEARCH VESSEL 3609

## "SIMON STEVIN"

### GENERAL

Yard number	556055
Delivery date	May 2012
Basic functions	Research, survey operations, fishing, standby during diving operations
Classification	Bureau Veritas I, *Hull, • MACH, unrestricted navigation, AUT-UMS Special Service / Research Vessel Belgium
Flag	Belgium
Owner	D.A.B. Vloot, Belgium

### DIMENSIONS

Length overall	36.30 m
Length B.P.P.	32.10 m
Beam moulded	9.40 m
Depth moulded (outside)	4.50 m
Draught summer (base)	3.10 m
Draught summer (keel)	3.55 m
Deadweight (summer)	80 t
Deck area	49 m <sup>2</sup>
Deck load (at 1 m above deck)	20 t

### TANK CAPACITIES

Ballast water	30 m <sup>3</sup>
Fuel oil (service)	47 m <sup>3</sup>
Potable water (service)	17 m <sup>3</sup>
Sewage	17 m <sup>3</sup>

### PERFORMANCES

Speed (at summer draught)	12.0 kn
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### PROPULSION SYSTEM

Main engines	Diesel-Electric, 690 V - 60 Hz
Propulsion Power	2x 520 ekW at 350 rpm
Propellers	2x 1650 mm, FPP
Bow thruster	1x 200 ekW, 950 mm, FPP

### AUXILIARY EQUIPMENT

Networks	690V - 60 Hz, 400V/230V - 50 Hz
Main generator sets	3x Scania DI-16 55M, each 477 ekW at 1800 rpm

### DECK LAY-OUT

Anchor mooring winch	1x electric-hydraulic, with warping head
Capstans	2x electric, each 2 t pull
Fishing winches	2x electric, each 6 t pull, 20 t brake
Aux winches	2x electric, each 1.5 t pull
Fish net drum	1x electric, 3 m <sup>3</sup> , cap. 300 m
Deck crane	1x knuckle boom, 3.6 t at 10 m (harbour)
A-frames	1x stern A-frame, SWL 6 t 1x side A-frame, SWL 1.5 t
CTD davit	1x hydraulic cylinder, SWL 1 t
Winch side A-frame	1x electric, 1.5 t pull
CTD winch	1x electric, double drum, SWL 1 t
Work/Rescue boat	1x 5 m, 42 hp

### ACCOMMODATION

Crew	10 persons
Scientists	10 persons night accommodation or 20 persons day accommodation

### NAUTICAL AND COMMUNICATION EQUIPMENT

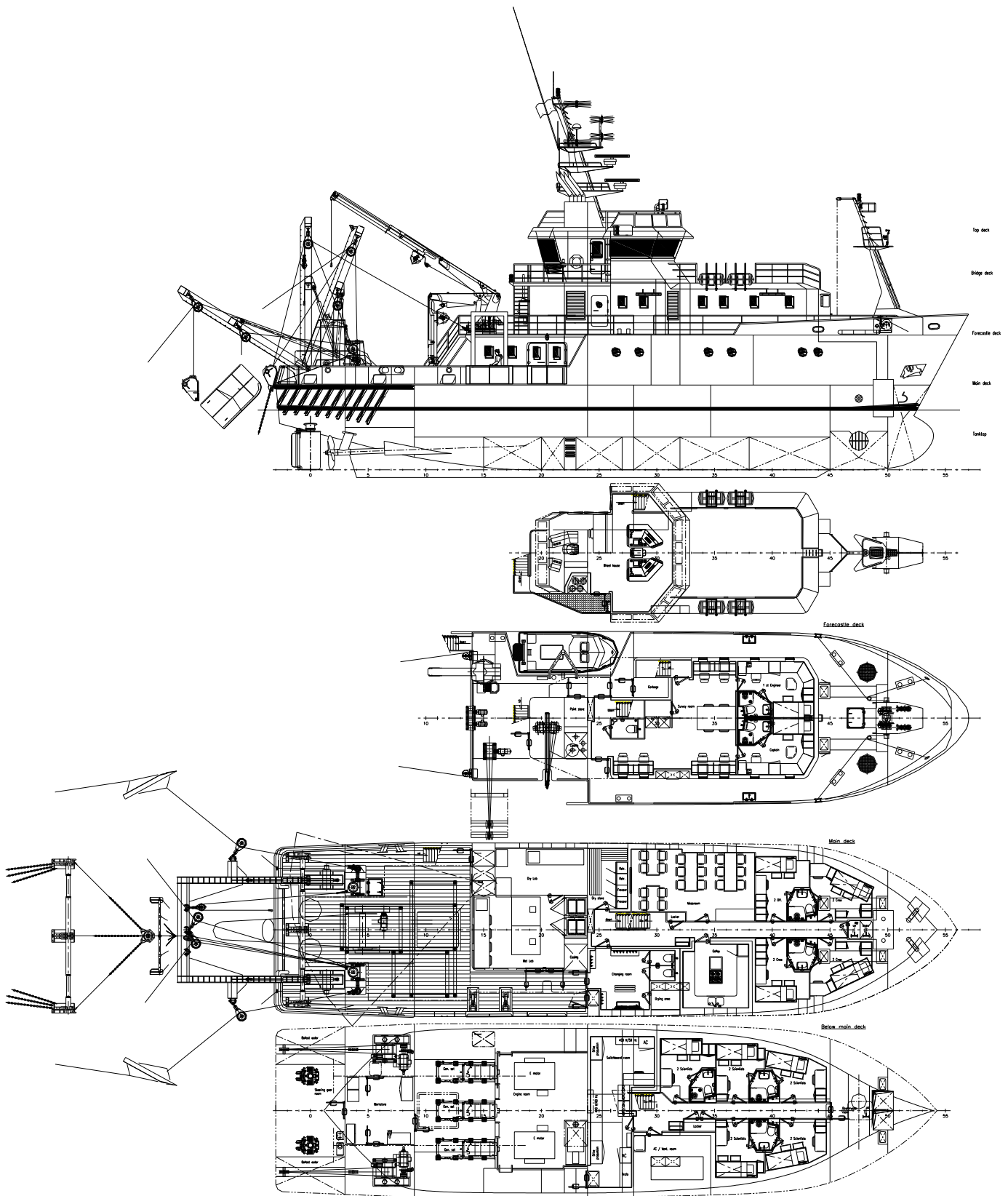
Radar systems	2x X-band
DP-system	DP-0
GMDSS	Area A2

### HYDROLOGICAL AND OCEANOGRAPHIC EQUIPMENT

Spaces	Wet lab, dry lab and survey room
Equipment	1x CTD system 1x ADCP 1x multi beam echo sounder 1x single beam echo sounder 1x weather station

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