GENERAL
Yard number: 556055
Delivery date: May 2012
Basic functions: Research, survey operations, fishing, standby during diving operations
Classification: Bureau Veritas, *Hull, • MACH, unrestricted navigation, AUT-UMS Special Service / Research Vessel
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 m²
Deck load: 20 t (at 1 m above deck)

TANK CAPACITIES
Ballast water: 30 m³
Fuel oil (service): 47 m³
Potable water (service): 17 m³
Sewage: 17 m³

PERFORMANCES
Speed (at summer draught): 12.0 kn

PROPELLSION 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

FISHERY RESEARCH VESSEL 3609
“SIMON STEVIN”

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 1.5 t pull
Aux winches: 2x electric, each 1.5 t pull
Fish net drum: 1x electric, 3 m3, cap. 300 m
Deck crane: 1x knuckle boom, 3.6 t at 10 m (harbour)
A-frames: 1x stern A-frame, SWL 6 t
CTD davit: 1x side A-frame, SWL 1.5 t
Winch side A-frame: 1x electric hydraulic cylinder, SWL 1 t
CTD winch: 1x electric, 1.5 t pull
Work/Rescue boat: 1x electric, double drum, SWL 1 t

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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