



DAMEN 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 |
| Flag | I, * Hull, • MACH, unrestricted navigation, AUT-UMS |
| Owner | Special Service / Research Vessel Belgium D.A.B. Vloot, Belgium |

DIMENSIONS

| | |
|-------------------------------|-------------------|
| Length o.a. | 36.30 m |
| Length b.p.p. | 32.10 m |
| Beam mld. | 9.40 m |
| Depth mld. (outside) | 4.50 m |
| Draught summer (base) | 3.10 m |
| Draught summer (keel) | 3.55 m |
| Deadweight (summer) | 80 t |
| Deck area | 49 m ² |
| Deck load (at 1 m above deck) | 20 t |

TANK CAPACITIES

| | |
|-------------------------|-------------------|
| Ballast water | 30 m ³ |
| Fuel oil (service) | 47 m ³ |
| Potable water (service) | 17 m ³ |
| Sewage | 17 m ³ |

PERFORMANCES (APPROX.)

| | |
|---------------------------|---------|
| Speed (at summer draught) | 12.0 kn |
|---------------------------|---------|

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 ³ , 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

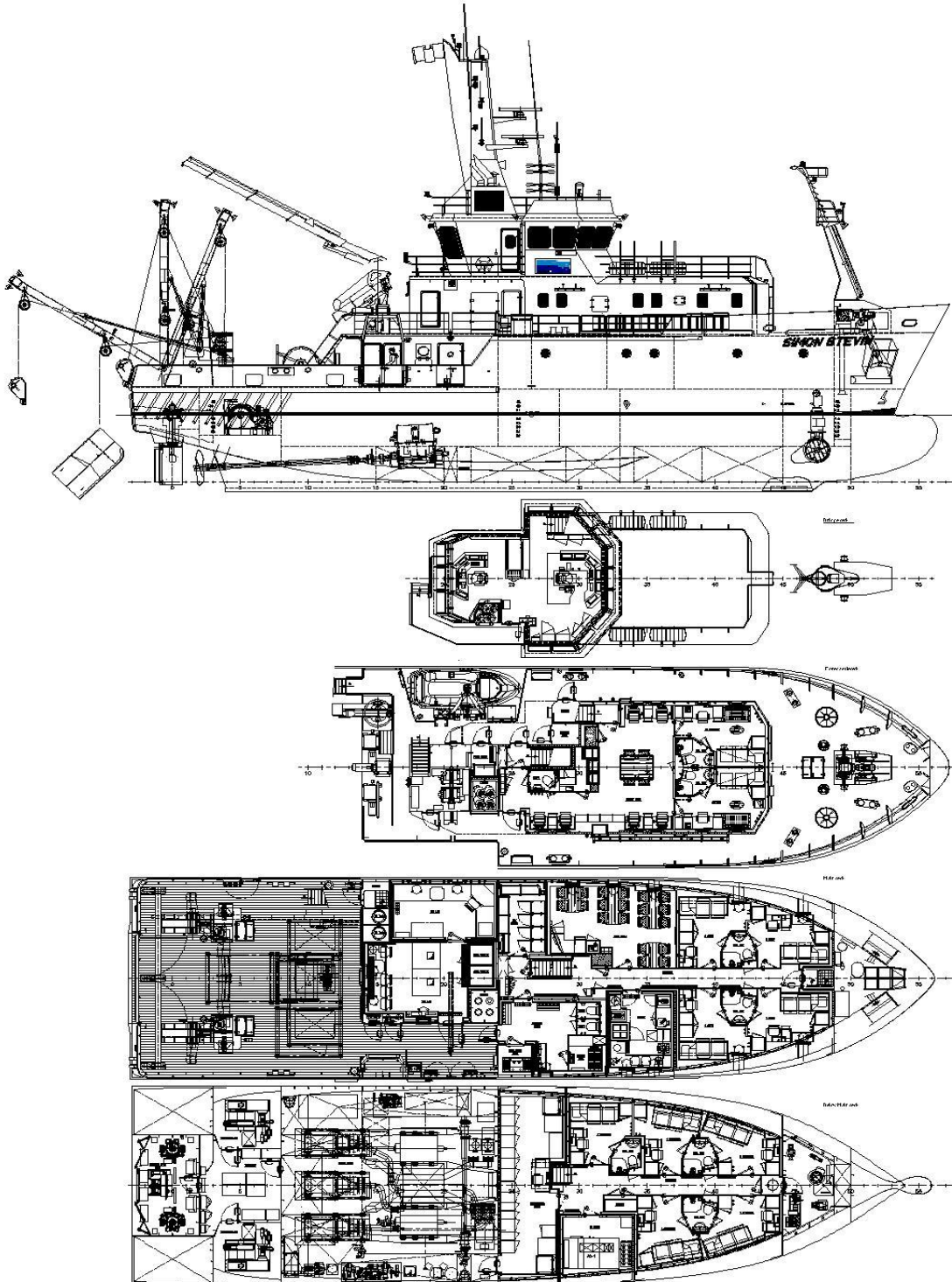
| | |
|------------|--|
| Crew | 10 persons |
| Scientists | 10 persons night accommodation or 20 persons day accommodation |

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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DAMEN SHIPYARDS GORINCHEM

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