

EXPEDITIONARY SURVEY BOAT (ESB1604)

GENERAL

Damen Shipyards Den Helder has recently developed a Expeditionary Survey Boat (ESB) for the Royal Netherlands Navy.

The ESB is primarily used for survey operations with the Landing Platform Docks of the RNLM, HNLMS Rotterdam and HNLMS Johan de Witt. A Quick Release hoisting system is fitted which enables the vessels to be hoisted aboard the LPD. The main task of the ESB is to explore shallow waters and harbours prior of amphibious operations carried out from the LPD.

The Survey Craft is equipped with a variation of sensors to carry out underwater surveillance including two towfishes and several multi- single beam transducers.

The ESB is powered by two Volvo diesel engines, driving two fixed propellers through a reduction gearbox, thus giving the vessel a topspeed of approximately 20+ knots.

CLASSIFICATION

LR \clubsuit 100AE NS SSC Survey Vessel, SAR – 150 miles POL*(I,IV,V,VI,AFS), ENV (IHM) (\clubsuit) LMC, UMS

DIMENSIONS & PERFORMANCE

Length o.a.	15.70 m
Beam	4.20 m
Depth(mid)	2.05 m
Draft	1.00 m
Service speed	15 knots
Range	470 nm
Hull material	aluminium

PROPULSION & EQUIPMENT

2x Diesel Engines Volvo D8 2x fixed pitch propellers 1x Generator set 230V 15 kW A-frame

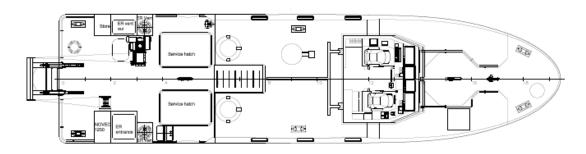
SENSORS, WEAPONS & COMMUNICATIONS

Foundations for LMG (Light Machine Guns) Communication as per GMDSS-A3 Gyro Compass Integrated Navigation Bridge Tactical Communication Systems Two Hydrographic Operator stations

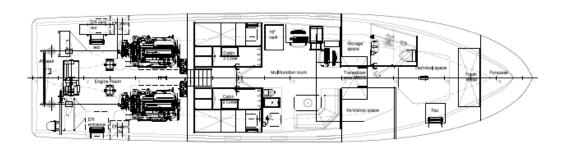




Topview



Below maindeck



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Member of DAMEN SHIPYARDS GROUP

Ankerpark 2 P.O. Box 114 phone +31 (0)223 61 66 41 info-dsdh@damen.com

1781 AG Den Helder

1780 AC Den Helder The Netherlands

fax

+31 (0)223 61 53 91

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