



DAMEN OPV 8313

"SARAH BAARTMAN"

GENERAL

YARD NUMBER	555053
DELIVERY DATE	December 2004
BASIC FUNCTIONS	Fishery and environmental protection, assistance in operations, search and rescue, fire fighting
CLASSIFICATION	Lloyd's Register of Shipping ✱100A1, ✱LMC, UMS "Patrol Vessel"

DIMENSIONS

LENGTH O.A.	82.90 m
BEAM MLD.	13.00 m
DEPTH MLD.	6.80 m
DRAUGHT (DESIGN)	4.00 m

TANK CAPACITIES

FUEL OIL	400 m ³
FRESH WATER	50 m ³
DISPERSANT	50 m ³
STABILITY TANK	CONTROLLED PASSIVE INTERING SYSTEM

PERFORMANCE

SPEED (100 % MCR)	20.0 kn (at max. displacement)
MAX. SPEED	22.0 kn (at reduced displacement)
ENDURANCE AT 15 KN	12.000 nm

PROPULSION SYSTEM

MAIN ENGINES	2x Wärtsilä 12V26A
OUTPUT	each 4080 kW @ 1000 rpm
GEAR BOXES	2x Reintjes VA4555
PROPELLER	2x CPP Lips, diam. 3000 mm
BOW THRUSTER	1x CPP, E-motor, 350 kW

AUXILIARY EQUIPMENT

GENERATOR SETS	3x Caterpillar 3412C-TA, 405 ekW / 50Hz
EMERGENCY GEN. SET	1x Caterpillar 3304B-T, 85 ekW / 50Hz

DECK EQUIPMENT

DECK CRANE (STERN)	1x 12 ton @ 10 m / 8 ton @ 13.3 m
DECK CRANE (BOW)	1x 1 ton @ 9 m
CAPSTAN	1x 6 ton @ 20 m/min
INSPECTION BOAT	2 x 7.5 m. RIB with 231 kW inboard
WORKBOAT	1x Aluminium 8.10 m twin engine
	6.0 knots, 2 tons bollard pull
HELI DECK	According to CAP 437
HELI OPERATIONS	Day operations with refuelling system
EXTERNAL FI-FI SYSTEM	2x 1200 m ³ /hr FiFi monitors

OIL RECOVERY EQUIPMENT

BOOMS	2x 26 m. Ro-boom 1500
SKIMMER	1x Ro-skim with Desmi DOP 250
JIB	15 m jib in three sections
SPRAY BOOMS	2x 5 m with six nozzles

ACCOMMODATION

Fully heated and air-conditioned accommodation for 29 persons. Incl. single and double bedrooms, mess, recreation, gymnasium, galley, laundry and survivor room, sickbay stores etc.

NAUTICAL AND COMMUNICATION EQUIPMENT

Radio equipment according to GMDSS rules for Area A3 incl. Satcom C and B. Nautical equipment incl. Integrated bridge system with X and S-band radars, ECDIS, Gyro, DGPS, Speedlog, Autopilot, Echo sounder, Navtex etc.

OWNER

Department of Environmental Affairs and Tourism, branche Marine and Coastal Management, Republic of South Africa.

DAMEN