

DAMEN SHOALBUSTER® 309S

"A13002" Rev-D

GENERAL

YARD NUMBER	A13002 (Damen Shipyards Cape Town)
DELIVERY DATE	XXX
BASIC FUNCTIONS	Towing, mooring, pushing, dredge support
CLASSIFICATION	Bureau Veritas I ✕ HULL • MACH Tug unrestricted navigation AUT-UMS
REGULATIONS	ILT Dutch or equal SAMSA rules
FLAG	Dutch or equal South Afrika
OWNER	Smit Amandla Marine

DIMENSIONS

LENGTH O.A.	30.00	m
BEAM M.L.D.	9.10	m
DEPTH AT SIDES	3.60	m
DRAUGHT AFT APPROX.	2.6	m
DISPLACEMENT APPROX.	455	ton
GROSS TONNAGE APPROX.	289	GT

TANK CAPACITIES (APPROX.)

FUEL OIL	115.0	m ³
FRESH WATER	75.0	m ³
LUBRICATION OIL	1.7	m ³
HYDRAULIC OIL	1.7	m ³
DIRTY OIL	3.8	m ³
BILGEWATER	3.8	m ³
SEWAGE	6.6	m ³

PERFORMANCES (APPROX.)

BOLLARD PULL AHEAD	24.5	ton
SPEED	11.0	knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar C32-TTA ACERT
TOTAL POWER	1492 bkW (2000 bhp) at 1800 rpm
GEARBOXES	2x Reintjes WAF 562L/5.947 : 1
PROPELLERS	2x 1800 mm Promarin fixed pitch
CONTROLS/STEERING	Straathof/WK Hydraulics
NOZZLES	2x Damen Marine Components 'Optima'
BOWTHRUSTER	1x Kalkman Beta 200E 200pk electrical driven

AUXILIARY EQUIPMENT

MAIN GENERATOR SETS	2x Caterpillar C-4.4 TA
CAPACITY	2x 86 kVA, 50 Hz, 400V AC, 50Hz
GENSET	1x Caterpillar C9 175kW 400V AC, 50Hz
TRANSFER PUMPS	2x SIHI AKHK 6101, 32 m ³ /h at 1.5 bar for fuel oil, one will be stand-by 2x SIHI AKHK 6101, 32 m ³ /h at 1.5 bar for fresh water, one will be stand-by
FUEL OIL SEPARATOR	1x Alfa Laval 1150 l/h

DECK LAY-OUT

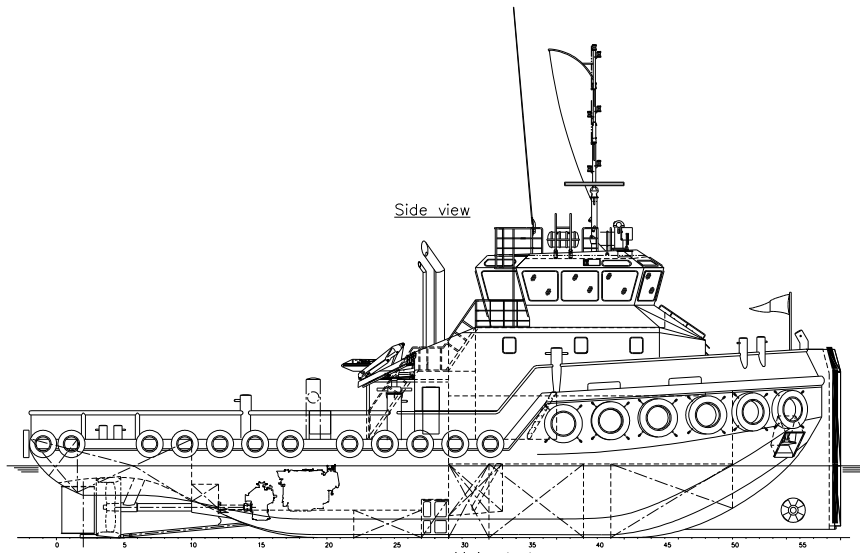
ANCHOR	2x 275 kg Pool TW (HHP)
ANCHOR WINCH	Electrically driven, with two warping heads
DECK CRANE	1x Heila HLM6-2S, or equal
CAPACITY	850 kg(m) @ 6,96m and 1700 kg(m) @ 3,63m
GOB EYE	1x Gob Eye will be fitted into the aft deck

ACCOMMODATION

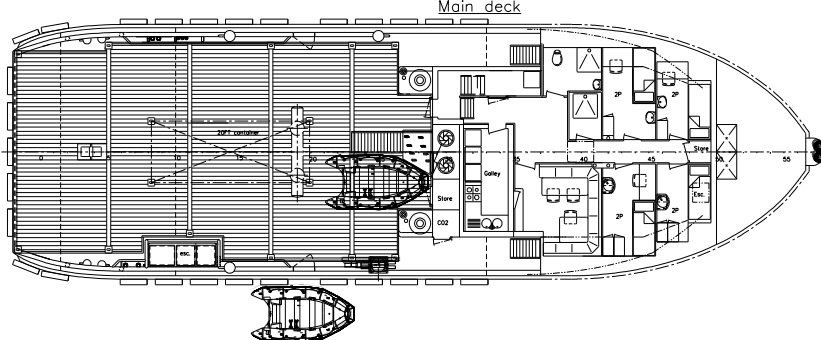
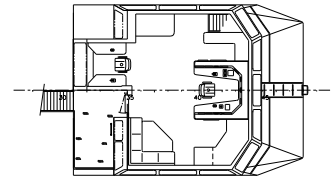
Heated and air-conditioned living spaces for 14 persons, consisting of five double-crew cabins, two single crew cabins, and one four crew cabin sanitary facilities and a combined galley/mess.

NAUTICAL AND COMMUNICATION EQUIPMENT

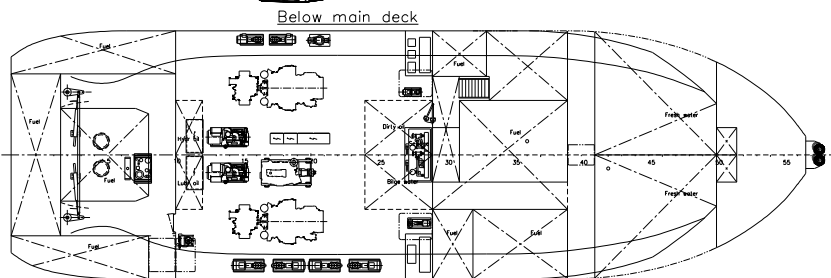
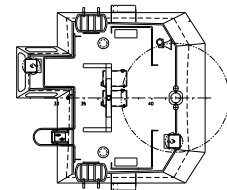
RADAR SYSTEM	1x Furuno FAR-2117
MAGNETIC COMPASS	1x Cassens & Plath Reflecta 1
AUTOPILOT	1x Radio Zeeland Seapilot 75
GPS	2x Furuno GP-150D
ECHOSOUNDER	1x Furuno FE-700
SPEEDLOG	1x Furuno DS-80
VHF/DSC	3x Sailor RT-6222
HANDHELD VHF	2x Jotron Tron TR-20
SSB/DSC	1x FS-1570
NAVTEX.	1x Furuno NX-700
AIS	1x Furuno FA-150
SATELLITE COMPASS	1x Furuno SC-50
EPIRB	1x Tron-40S-MKII
RADAR TRANSPONDER	1x Tron SART-20
INTERCOM	1x Sigma-700 MKII
WATCH ALARM	1x MS-421
WIND INDICATOR	1x Obsermet OMC115
ENTERTAINMENT SYSTEM	1x Fleetbroadband 150
ELECTRONIC CHART SYSTEM	1x Navnet with dedicated area E-cards
CCTV	1x Orlaco CCTV, with two cameras in engine room



Wheelhouse deck

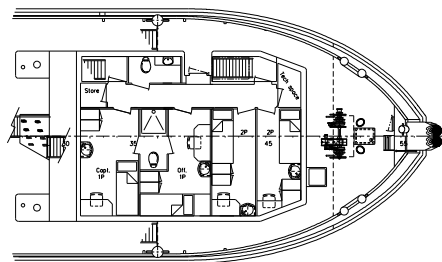


Top deck



PRINCIPLE CHARACTERISTICS	
LENGTH o/d	30.00 mtr.
LENGTH mid	28.30 mtr.
BEAM mid	9.10 mtr.
DEPTH 1/2L	3.60 mtr.
AIR DRAFT MAX. APPROX.	15.45 mtr.
AIR DRAFT MIN. APPROX.	9.70 mtr.
DEPTH LOADED	2.80 mtr.

Forecastledeck



DAMEN SHOALBUSTER® 3009S

"A13002"

DAMEN

DAMEN SHIPYARDS HARDINXVELD

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