



DAMEN SHOALBUSTER® 2308 S

"GRAHAM ROBERTSON"

GENERAL

YARD NUMBER	571677 (Damen Shipyards Hardinxveld)
DELIVERY DATE	March 2017
BASIC FUNCTIONS	Towing, mooring, pushing, anchor handling, dredge support
CLASSIFICATION	Bureau Veritas I#HULL • MACH Tug Unrestricted navigation, AUT UMS
NATIONAL AUTHORITIES	Dutch Shipping Inspectorate 30 miles from coastline
FLAG	United Kingdom
OWNER	The Bristol Port Company

DIMENSIONS

LENGTH O.A.	23.35	m
BEAM MLD.	8.00	m
DEPTH AT SIDES	2.99	m
DRAUGHT AFT (FULLY LOADED APPROX.)	2.29	m
DISPLACEMENT (APPROX.)	238	ton

TANK CAPACITIES

FUEL OIL	45.6	m ³
FRESH WATER	13.8	m ³
SEWAGE	1.9	m ³
DIRTY OIL	3.2	m ³
LUBRICATION OIL	2.0	m ³
HYDRAULIC OIL	0.9	m ³
GEAR OIL	0.4	m ³
BILGE WATER	0.9	m ³

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD.	21.8	ton(m)
SPEED APPROX.	11.1	knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar C32-TTA ACERT
TOTAL POWER	1268 bkW (1700 bhp) @ 1800 rpm
GEARBOXES	2x Reintjes WAF 464L/ 5.042:1
PROPULSION	2x Promarin fixed pitch propeller
DIAMETER	2x 1600 mm in V.d. Giessen Optima nozzles
BOWTHRUSTER	120 bhp, hydraulically driven

AUXILIARY EQUIPMENT

GENERATOR SETS	2x Caterpillar C4.4NA
CAPACITY	2x 43,75 kVA, 50 Hz, 230/400V
TRANSFER PUMPS	For Fresh Water: SIHI, 25 m ³ /h @ 1.5 bar For Fuel Oil: SIHI 25 m ³ /h @ 1.5 bar
FUEL OIL SEPARATOR	Facet
HYDRAULIC SET	Caterpillar C-09 TA

DECK LAY-OUT

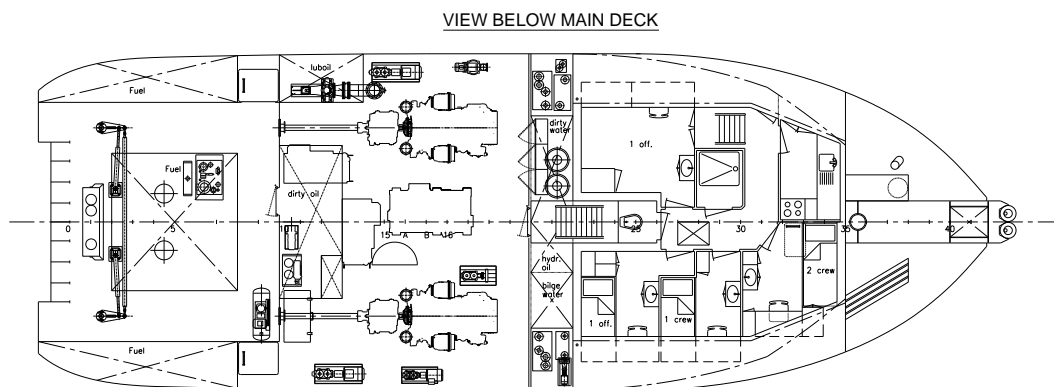
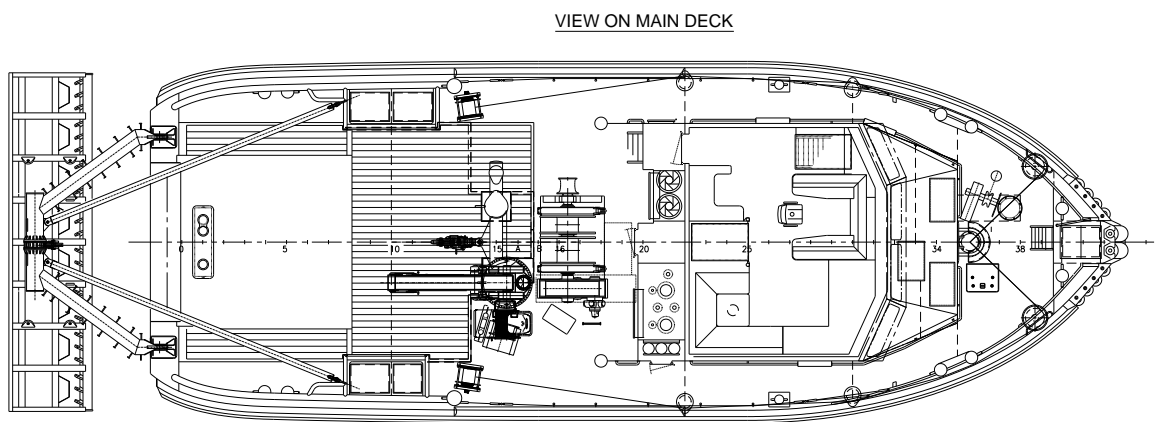
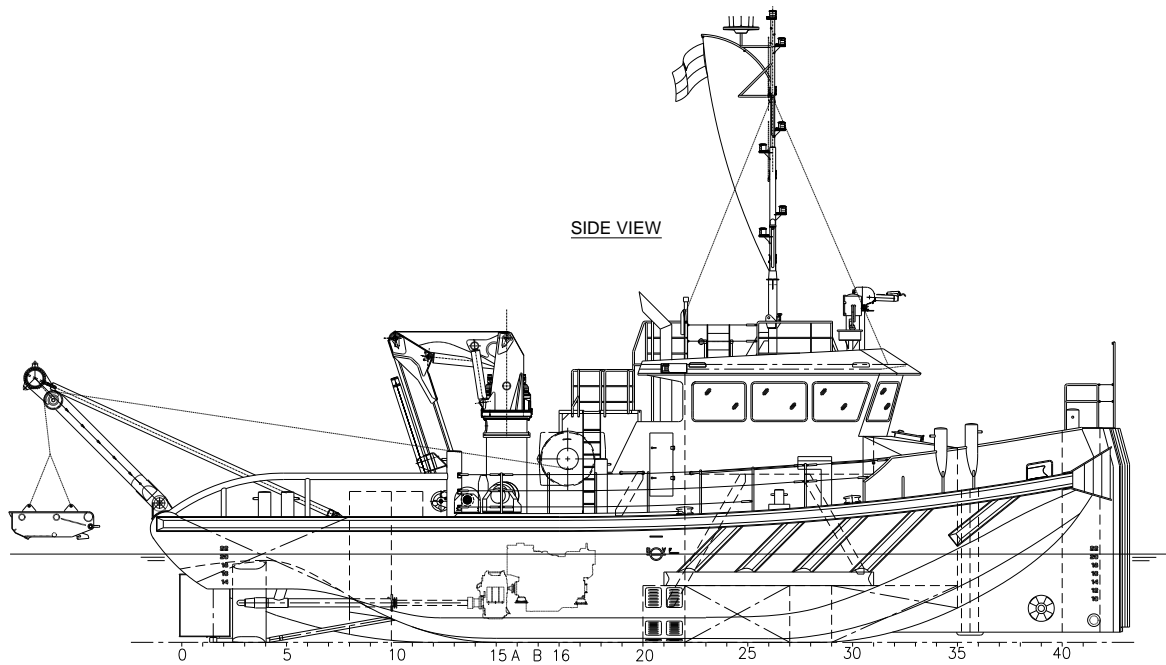
ANCHOR	1x 270 kg Pool (HHP) 1x 225 kg Pool (HHP)
CHAIN	19 mm short-link anchor chain 137.5 m
ANCHOR WINCH	Ridderinkhof hydraulically driven or equal
DECK CRANE	HS Marine AKC 115LHE4 4570kg @ 15,51m
ANCHOR HANDLING / TOWING WINCH	30 ton @ 6 m/min 6 ton @ 24 m/min 55 ton holding power 25 ton SWL
A-FRAME Ø	WK Triple pin type in row
TOWING PINS	Brevini BWC 080 8T @ 4,5m/min
TUGGER WINCH	

ACCOMMODATION

Heated and air-conditioned living spaces for 5 persons, consisting of a captain's cabin, an officers cabin, one single crew cabin and one double crew cabin, a galley and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

ACCORDING GMDSS AREA A2	
SEARCHLIGHTS	1x Pesch 1000W
MAGNETIC COMPASS	1x Cassens & Plath Reflecta 1
SATALITE COMPASS	1x Furuno SC-50
RADAR	1x Furuno FR-2117
GPS	1x Furuno GP-170D
AUTOPILOT	1x Simrad AP-70
ECHOSOUNDER	1x Furuno FE-800
VHF RADIO TELEPHONE	2x Sailor Compact RT62222
HANDHELD VHF	2x Jotron Tron TR-20
AIS	1x Furuno FA-150
SPEEDLOG	1x Furuno DS-80
INTERCOM	1x Sigma 700
BRIDGE WATCH ALARM	1x Marble 421
WIND INDICATOR	1x Obsermet OMC-115



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DAMEN SHIPYARDS HARDINXVELD

Member of the DAMEN SHIPYARDS GROUP

Rivierdijk 544
3371 EB Hardinxveld-Giessendam

P.O. Box 60
3370 AB Hardinxveld-Giessendam
The Netherlands

phone +31 (0)184 61 30 88
fax +31 (0)184 61 77 93

info@damen-hardinxveld.nl
www.damenshipyardhardinxveld.nl