



# AZIMUTH STERN DRIVE TUG 2913

## "SOUTHAMPTON"

### GENERAL

Yard number	513115
Delivery date	August 2017
Basic functions	Push-pull, towing, mooring and fire-fighting operations
Classification	Bureau Veritas I ✱ HULL • MACH Escort Tug Unrestricted Navigation AUT UMS INWATERSURVEY Fire Fighting Ship 1 (without waterspray)
Flag	Malta
Owner	Kotug Smit Towage

### DIMENSIONS

Length overall	29.10 m
Beam overall	13.23 m
Depth at sides	5.35 m
Draught aft	5.48 m
Displacement (98% consumables)	674 t

### TANK CAPACITIES

Fuel oil	96.4 m <sup>3</sup>
Fresh water	17.3 m <sup>3</sup>
Sewage	5.3 m <sup>3</sup>
Lubrication oil	4.5 m <sup>3</sup>
Dirty oil	2.8 m <sup>3</sup>
Sludge	2.4 m <sup>3</sup>
Bilge water	5.2 m <sup>3</sup>
Hydraulic oil	0.36 m <sup>3</sup>

### PERFORMANCES

Bollard pull ahead	81.7 t
Bollard pull astern	77.4 t
Speed ahead	13.6 kn
Speed astern	13.2 kn

### PROPULSION SYSTEM

Main engines	2x Caterpillar 3516C TA HD/D
Total power	5050 bkW (6772 bhp) at 1800 rpm
Thrusters	2x Rolls Royce US 255 P30 FP
Slipping clutches	Rolls Royce 'built in' type
Propeller	2800 mm
Forced ventilation	40.000 m <sup>3</sup> /h

### AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C7.1 TA, 230/400 V, 125 kVA, 50 Hz
General service pumps	2x Sterling AKHA 6101 34m <sup>3</sup> /h each
Fuel pumps	Sterling AKHA 5101 and AOHA 3101
Fuel oil purifier	Westfalia OTC 3-02-137, 1740 l/h
Cooling system	Box cooling + anti-growth system
Fresh water pressure set	Sterling HBK 111 / AOHA 3101
Hydraulic system	Double main engine driven pumps
Sewage treatment plant	Tecnicomar Ecomar 20
Fifi set	Diesel driven pump 2400 m <sup>3</sup> /h
Fifi monitors	2x 1200 m <sup>3</sup> /h, water/foam

### DECK LAY-OUT

Anchor	2x 427.5 kg Pool (High Holding Power)
Anchor/towing winch	Hydraulically driven two speed winch with double drum and warping head, pull 35 ton at 12 m/min, slack rope speed 38 m/min, 200 ton brake
Fendering	D-fender at sides and stern, cylinder fender at transom corners, cylinder bow fender and W-block fender with waterspray

### ACCOMMODATION

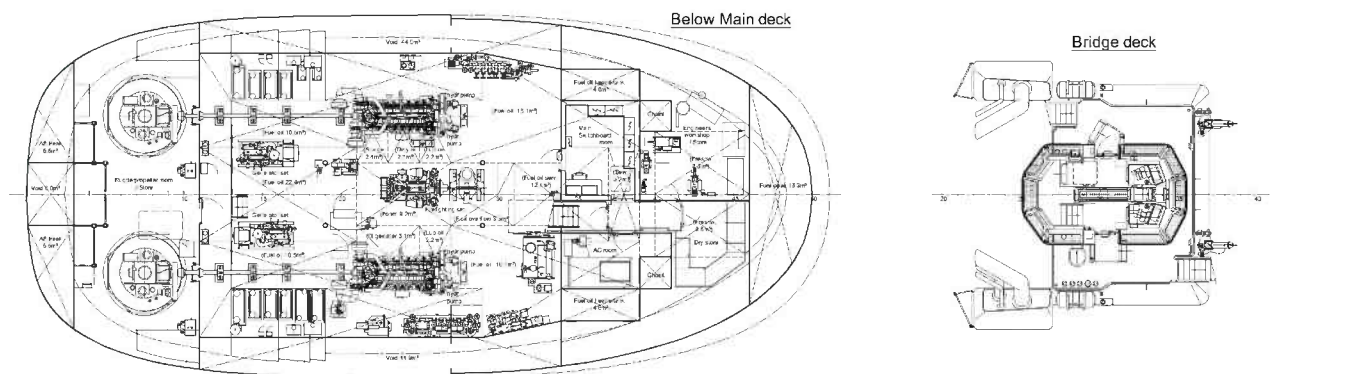
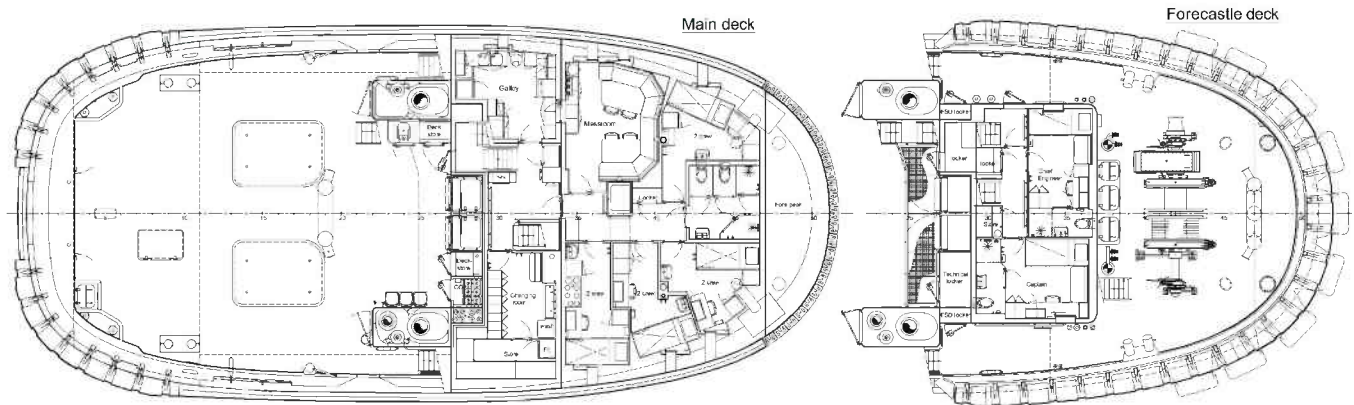
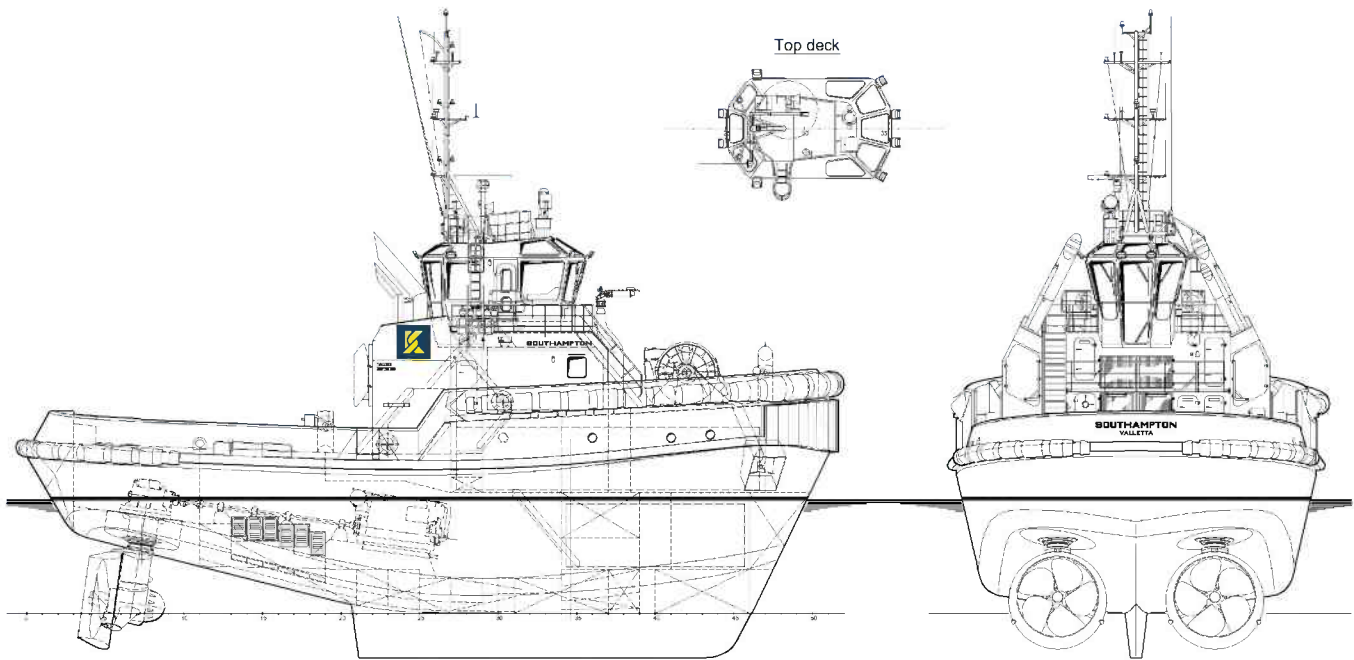
For 10 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store, changing room, store, engineer's workshop and sanitary facilities.

### NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlights	2x Xenon 450 W (FIF1 1)
Radar system	Furuno FAR-2117 with 19" LCD screen
Speedlog	Furuno DS-80
Compass	Cassens & Plath, type Kotter
Autopilot	Simrad AP-70
GPS	Furuno GP-170
Echosounder	Furuno FE-800
VHF	2x Sailor Compact 6222, 25 W
VHF hand-held	2x Jotron Tron TR-20
LRIT	Furuno Felcom 19
SSB	Furuno FS-1575
Navtex	Furuno NX-700A
AIS	Furuno FA-150
EPIRB	Jotron Tron-60S
Sart	Jotron Tronsart20

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# DAMEN

DAMEN SHIPYARDS GROUP

Avelingen-West 20  
4202 MS Gorinchem  
The Netherlands

P.O. Box 1  
4200 AA Gorinchem  
The Netherlands

phone +31 (0)183 63 99 22  
fax +31 (0)183 63 21 89

info@damen.com  
[www.damen.com](http://www.damen.com)

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