



AZIMUTH STERN DRIVE TUG 2913

“DANIMARCA”

GENERAL

Yard number	513114
Delivery date	June 2017
Basic functions	Harbour and coastal berthing, offshore towing, fire-fighting and oil recovery operations
Classification	Bureau Veritas I * HULL • MACH Escort Tug Unrestricted Navigation AUT UMS IWS Fire Fighting 1 Water spray Oil Recovery Ship – Second Line – Supply Vessel – Oil Product (flame point above 60 degrees)
Flag	Italy
Owner	Rimorchiatori Riuniti Porto di Genova S.r.l.

DIMENSIONS

Length overall	29.10 m
Beam overall	13.23 m
Depth at sides	5.35 m
Draught aft	5.78 m
Draught aft incl. double hull tanks	6.04 m
Displacement (98% consumables)	754 t
Displacement (98% consumables) incl. double hull tanks	820 t

TANK CAPACITIES

Fuel oil	96.4 m ³
*Fuel oil (incl. header tanks and double hull tanks)	174.2 m ³
Fresh water	33.5 m ³
Sewage	5.3 m ³
Lubrication oil	4.6 m ³
Hydraulic oil	0.36 m ³
Dirty oil	2.8 m ³
Sludge	2.4 m ³
Bilge water	5.2 m ³
Foam	9.3 m ³
Dispersant	6.2 m ³
Oil recovery	77.8 m ³

* Double hull tanks used for fuel oil or oil recovery

PERFORMANCES

Bollard pull ahead	82.6 t
Bollard pull astern	75.7 t
Speed ahead	13.5 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 ³ /h

AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C7.1 TA, 230/400 V, 125 kVA, 50 Hz
General service pumps	2x Sterling AKHA 6101 each 34 m ³ /h
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 HBC 111 / AOHA 3101
Hydraulic system	Double main engine driven pumps
Sewage treatment plant	Tecnicomar Ecomar 20
Oil pollution control	Dispersant pump set with 2 spraybooms
Fifi set	Diesel driven pump 2800 m ³ /h
Fifi monitors	2x 1200 m ³ /h, water/foam

DECK LAY-OUT

Anchor	2x 495 kg Pool (High Holding Power)
Anchor/towing winch	Hydraulically driven two speed winch with double drum and warping head, pull 38 ton at 11.4 m/min, slack rope speed 35 m/min, 200 ton brake
Capstan	Electrically driven, 5 ton at 15 m/min
Crane + winch on crane	Heila HLM 20-3S, 1.7 ton at 10.56 m + MW 22, 2000 kg
Towing hook fore + aft	Mampaey, disc type 100 ton
Aft winch	Hydraulically driven single drum two speed winch with spooling device, pull 38 ton at 12 m/min and slack rope speed at 38 m/min, 200 ton brake
Fendering	D-fender at sides, cylinder fender at transom corners, D-fender at stern, cylinder bow fender and W-block fender with waterspray
Rescue boat	1x 4-meter inflatable rescue boat with 25 hp outboard engine + rescue boat davit

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, engineer’s workshop and sanitary facilities.

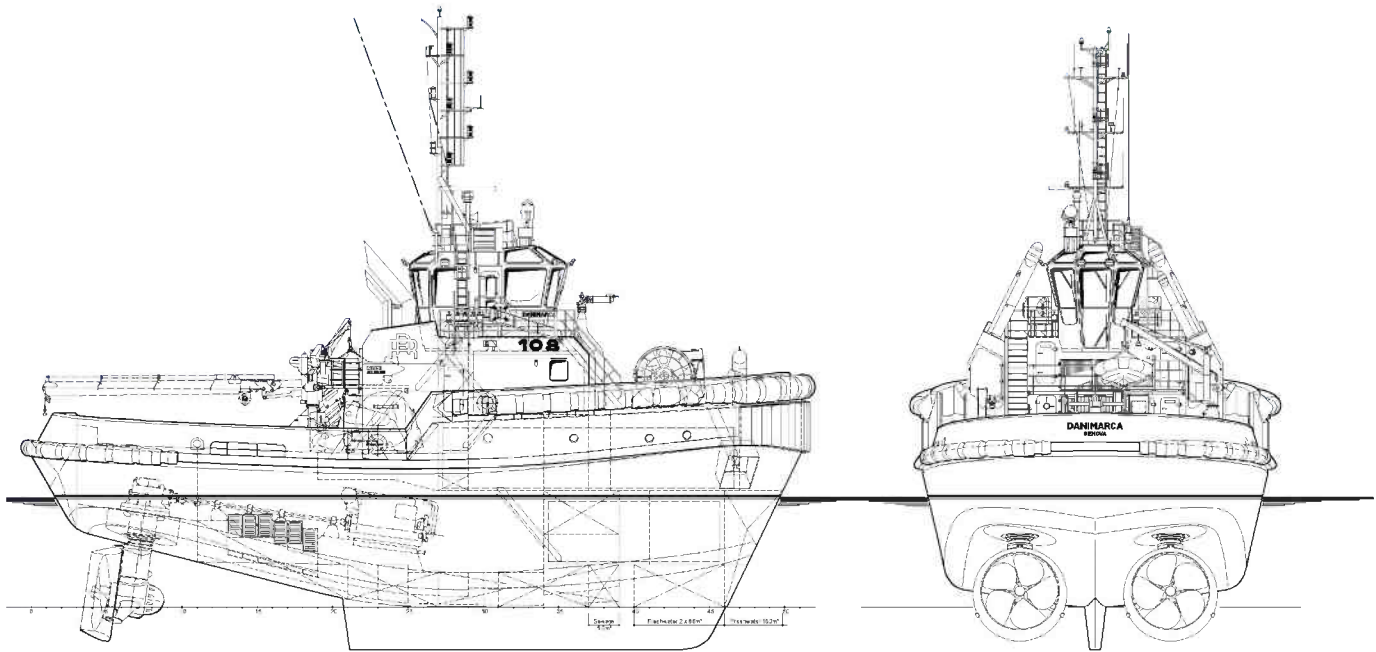
NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlights	2x Norselight 2000 W
Radar system	Furuno FAR-2117 with 19” LCD screen
Speedlog	Furuno DS-80
Compass	Magnetic Kotter
Autopilot	Simrad AP-70
Gyro compass	Anschutz Standard 22
DGPS	Furuno GP-170D
Echosounder	Furuno FE-800
VHF	2x Sailor Compact 6222, 25 W
VHF hand-held	2x Jotron Tron TR-20
SSB	Furuno FS-1575
LRIT	Furuno Felcom 19
Navtex	Furuno NX-700A
AIS	Furuno FA-150
EPIRB	Jotron Tron-60S
Sart	Jotron Tronsart20
Anemometer	Windsonic OMC 115
Emergency telegraph	Eekels TG-1

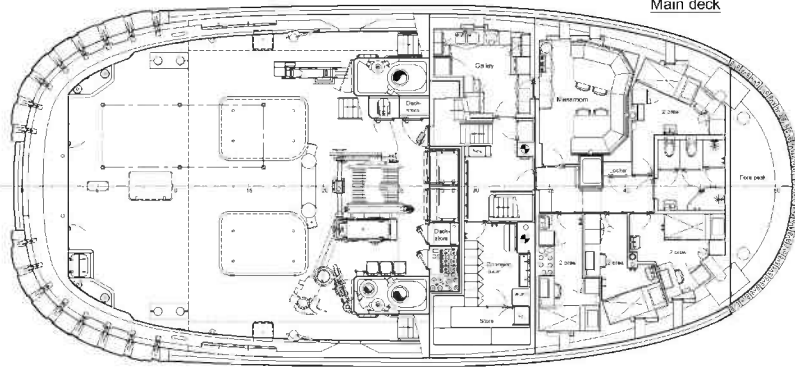
DAMEN

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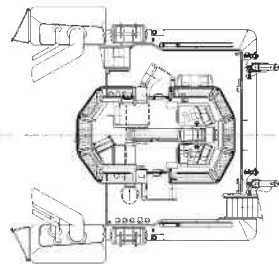
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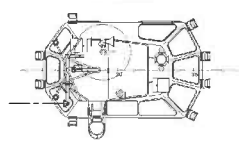
Main deck



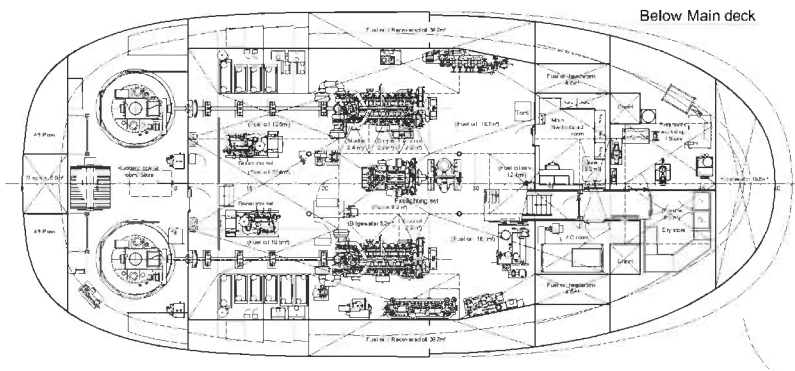
Bridge deck



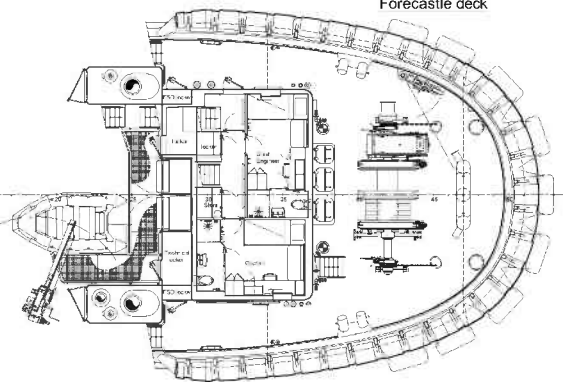
Top deck



Below Main deck



Forecastle deck



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