

## DAMEN ASD TUG® 3212

### "LUISA NERI"

#### GENERAL

YARD NUMBER	512540
DELIVERY DATE	January 2016
BASIC FUNCTIONS	Push-pull, escorting, towing, fire-fighting and oil recovery operations
CLASSIFICATION	RINA I ✕ HULL • MACH Escort Tug; Supply vessel; Fire Fighting ship 1 –water spraying; Oil recovery ship SECOND-LINE –flash point > 60°C –oil product Unrestricted Navigation • AUT-UMS, INWATERSURVEY Italy
FLAG	Italy
OWNER	Fratelli Neri S.p.A Livorno

#### DIMENSIONS

LENGTH O.A.	32.70 m
BEAM O.A.	12.82 m
DEPTH AT SIDES	5.35 m
DRAUGHT AFT	5.51 m
DISPLACEMENT (98%)	815 ton

#### TANK CAPACITIES

FUEL OIL	141.8 m <sup>3</sup>
FRESH WATER	15.2 m <sup>3</sup>
SEWAGE	5.1 m <sup>3</sup>
LUB. OIL	8.1 m <sup>3</sup>
DIRTY OIL	4.3 m <sup>3</sup>
SLUDGE	2.5 m <sup>3</sup>
BILGE WATER	6.8 m <sup>3</sup>
FOAM	12.6 m <sup>3</sup>
DISPERSANT	5.4 m <sup>3</sup>
OIL RECOVERY	42.6 m <sup>3</sup>

#### PERFORMANCES

BOLLARD PULL AHEAD	80.8 ton
BOLLARD PULL ASTERN	74.9 ton
SPEED AHEAD	14.3 knots
SPEED ASTERN	13.9 knots

#### PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3516C HD+ TA/D
TOTAL POWER	5050 bkW (6772 bhp) at 1800 rpm
THRUSTERS	2x Rolls Royce US255 P30 CP Special
PROPELLER	2800 mm controllable pitch
FORCED VENTILATION	20.000/40.000 m <sup>3</sup> /hr

#### AUXILIARY EQUIPMENT

GENERATOR SETS	2x Caterpillar C6.6 TA, 230/400 V, 125 kVA, 50 Hz
BILGE PUMPS	2x Sterling AKHA 6101 each 34 m <sup>3</sup> /hr
FUEL PUMPS	Sterling AKHA 5101 and AOHA 3101
COOLING SYSTEM	Box cooling + anti growth system
FRESHWATER PRESSURE SET	Sterling HBK 111 / AOHA 3101
FUEL OIL PURIFIER	Westfalia OTC 3-02-137
HYDRAULIC SYSTEM	Main engine driven pumps
OIL POLLUTION CONTROL	Dispersant pumpset with 2 spraybooms
FIFI SET	Main engine driven pump FIFI 1 2400 m <sup>3</sup> /hr
FIFI MONITOR	2 x 1400 m <sup>3</sup> /hr, water/foam

#### DECK LAY-OUT

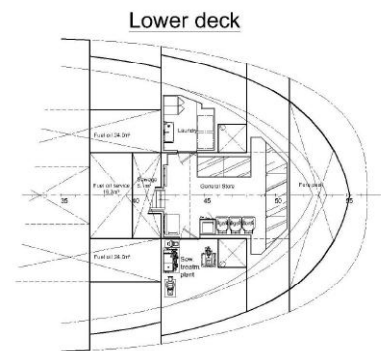
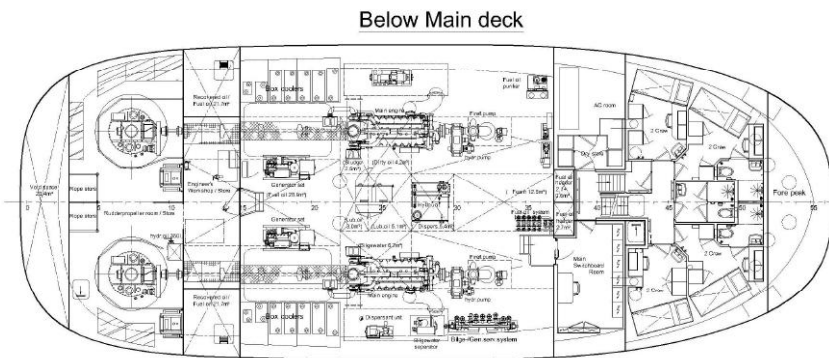
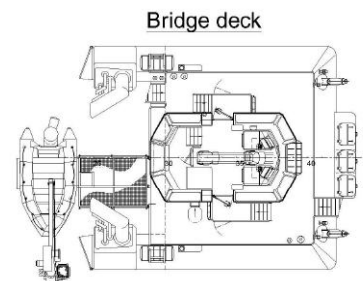
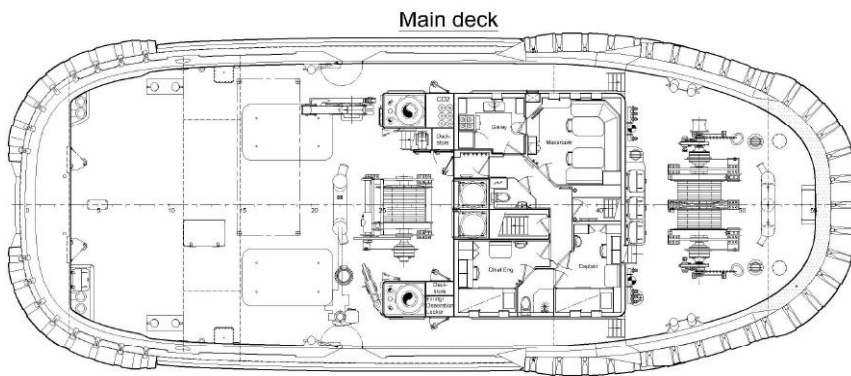
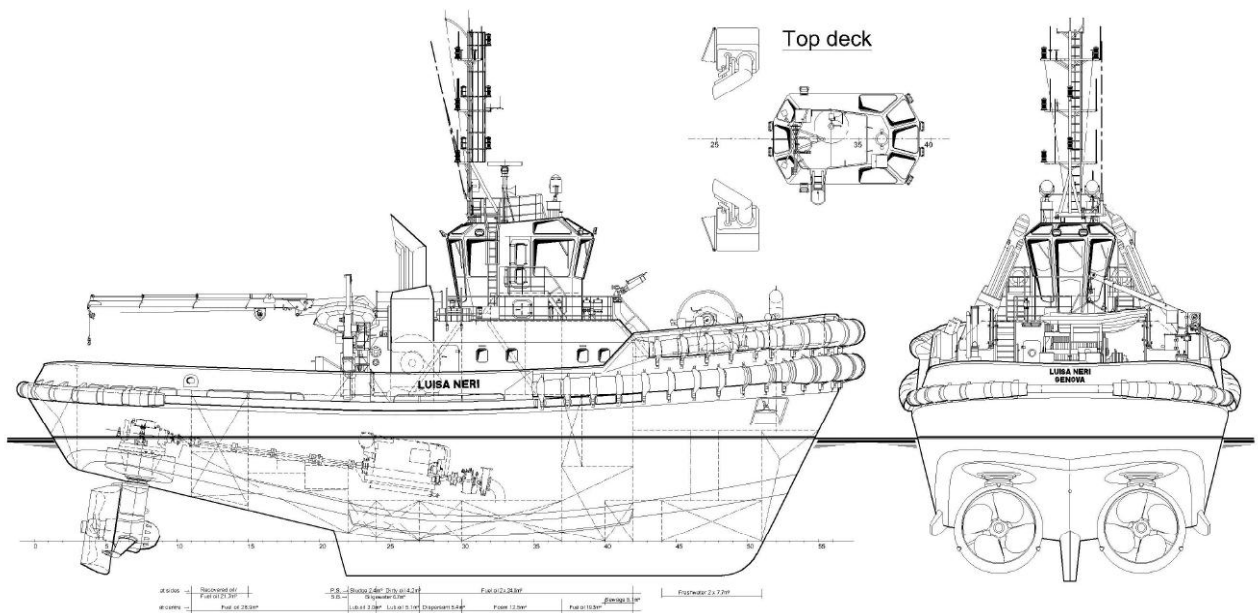
ANCHOR	2x 495 kg Pool (High Holding Power)
ANCHOR/RENDERING-RECOVERY WINCH	Hydraulically driven double drum winch Rendering 100 ton up to 100 m/min at second layer Recovery 60 ton up to 50 m/min at second layer Normal mode pull 60 ton up to 20 m/min, 200 ton brake
CAPSTAN	5 ton at 15 m/min. Electrically driven
CRANE	Heila HLM 20-3S + winch 1.7 ton at 10.56 m
TOWING HOOK AFT	Mampaey SWL 100 ton
TOWING WINCH AFT	Hydraulically driven, single drum winch with spooling device and warping head, pull 30 ton up to 40 m/min and 200 ton brake
FENDERING	D-fender at sides, cylinder fender at transom corners, cylinder bow fenders with water spray

#### ACCOMMODATION

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

#### NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCHLIGHTS	2x 450 W Xenon (FIFI 1)
RADAR SYSTEM	Furuno FAR 2117
COMPASS	Magnetic Kottter
GYRO COMPASS	Anschuetz Compact 22
AUTOPILOT	Robertson AP-70
GPS	Furuno GP-150D
ECHOSOUNDER	Furuno FE-800
VHF	2x Sailor 6222 + 2x hand-held
NAVTEX	Furuno NX-700A
AIS	Furuno FA-150
SSB	Furuno FS-1575
SPEED LOG	Furuno DS-80
INMARSAT	2x Furuno Felcom 18
EPIRB	Jotron TRON-40S
SART	Jotron TRONSART20



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**DAMEN**

DAMEN SHIPYARDS GORINCHEM

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