



DAMEN ASD TUG® 2810

"RUA CAP. LUCIO R."

GENERAL

YARD NUMBER	511560
DELIVERY DATE	March 2012
BASIC FUNCTIONS	Towing operations
CLASSIFICATION	Lloyd's Register * 100 A1 Tug [*] LMC UMS
FLAG	Argentina
OWNER	Rua Remolcadores Unidos Argentinos S.A.M. y C (RUA)

DIMENSIONS

LENGTH O.A.	28.67 m
BEAM O.A.	10.43 m
DEPTH AT SIDES	4.60 m
DRAUGHT AFT	4.70 m
DISPLACEMENT (98% CONSUMABLES)	520 ton

TANK CAPACITIES

FUEL OIL	99.5 m ³
FRESH WATER	14.9 m ³
FOAM	8.2 m ³
LUBRICATION OIL	8.9 m ³
DIRTY OIL	0.3 m ³
SEWAGE	0.2 m ³
SLUDGE	0.3 m ³
BILGEWATER	0.5 m ³

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	58.5 ton(m)
BOLLARD PULL ASTERN	56.6 ton(m)
SPEED AHEAD	13.7 knots
SPEED ASTERN	13.5 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3516B TA HD / C
TOTAL POWER	3730 bkW (5000 bhp) at 1600 rpm
AZIMUTH THRUSTERS	2x Rolls Royce US 205
PROPELLER DIAMETER	2400 mm
FORCED VENTILATION	55.000 m ³ /hr

AUXILIARY EQUIPMENT

GENERATOR SETS	2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
GENERAL SERVICE PUMPS	2x Sterling AKHA 5101 each 20 m ³ /hr at 14 m.w.g.
FUEL PUMPS	Sterling AKHA 4101 and AOHA 3101
COOLING SYSTEM	Fresh water through box cooling
FRESH WATER PRESSURE SET	Sterling AOHA 1202
SEWAGE PUMP	Libellula L1-3H, 6.6 m ³ /hr at 15 m.w.g.
FUEL WATER SEPARATOR	Separ, SWK 2000
HYDRAULIC SYSTEM	Two main engine driven pumps, one each
LUBRICATION OIL PUMP	Sterling R35/25, 2.1 m ³ /hr at 4 bar
DIRY LUBRICATION OIL PUMP	Megator L 125V-DBP, 3.0 m ³ /hr at 2 bar

DECK LAY-OUT

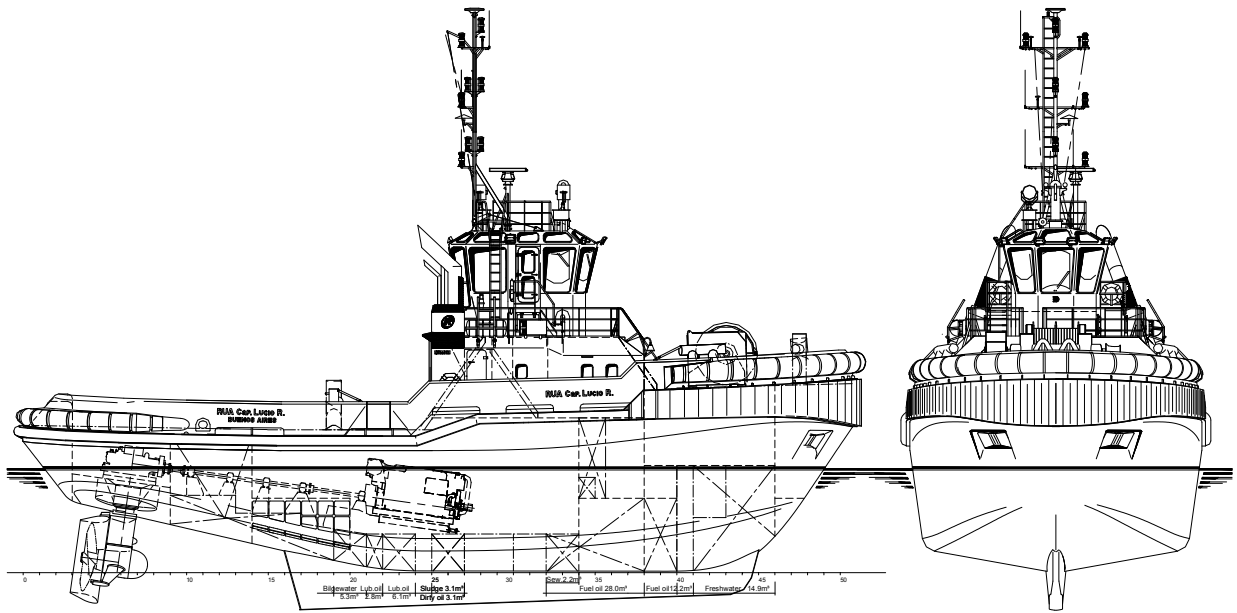
ANCHORS	2x 360 kg Pool (High Holding Power)
ANCHOR/TOWING WINCH	Hydraulically driven two speed winch with split drum and warping head, pull 35 ton at 9.2 m/min, slack rope speed 27 m/min. 150 ton brake 5 ton at 15 m/min. Electrically driven
CAPSTAN	Cylindrical bow fender with w block bow fender, D-fenders at the sides, cylindrical fenders transom corners, tyre fenders over the cylinder bow fender.
FENDERING	

ACCOMMODATION

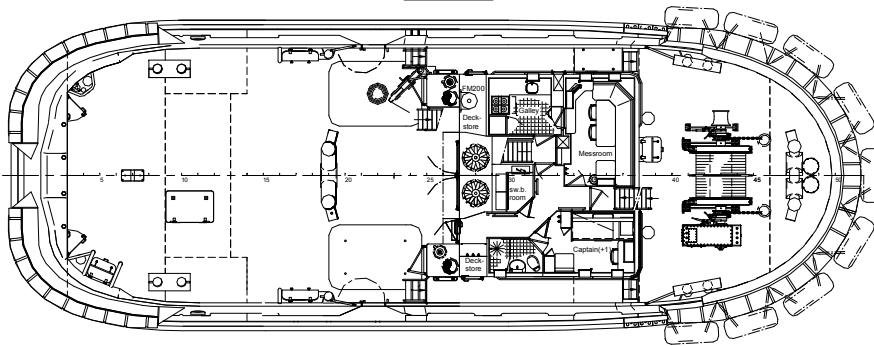
For 8-10 persons, insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse, floating floors and air-conditioned. With 5 cabins, galley, mess/dayroom, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

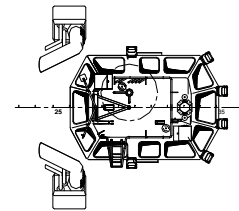
SEARCHLIGHT	2x Pesch 1000W
RADAR SYSTEM	JRC JMA-5212-4BB
COMPASS	Magnetic Kotter
AUTOPILOT	Simrad AP-50
GPS	Furuno GP-150
ECHOSOUNDER	Furuno LS-6100
VHF RADIO TELEPHONE	2x Sailor 6222 (one with DSC)
NAVTEX	Furuno NX-700
AIS	Furuno FA-150
EPIRB	Jotron, Tron-40S
SART	Jotron, Tron Sart



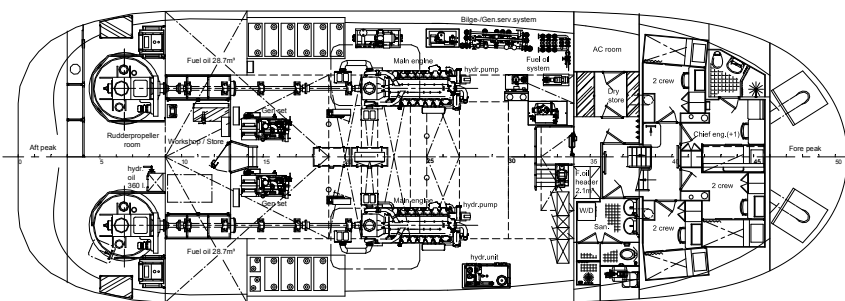
Maindeck



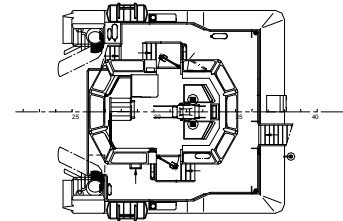
Topdeck



Below Maindeck



Bridgedeck



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DAMEN

DAMEN SHIPYARDS GORINCHEM

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