



DAMEN ASD TUG® 2810

"EXPERIENCE"

GENERAL

YARD NUMBERS	512320
DELIVERY DATE	February 2015
BASIC FUNCTIONS	Towing, mooring and fire-fighting operations
CLASSIFICATION	Lloyd's Register ✳ 100 A1 Escort Tug [✳] LMC UMS

DIMENSIONS

LENGTH O.A.	28.67 m
BEAM O.A.	10.43 m
DEPTH AT SIDES	4.60 m
DRAUGHT	4.94 m
DISPLACEMENT	574 ton

TANK CAPACITIES

FUEL OIL	74.5 m ³
FRESH WATER	15.2 m ³
FOAM	6.6 m ³
LUBRICATION OIL	9.2 m ³
DIRTY OIL	3.1 m ³
SEWAGE	2.2 m ³
SLUDGE	3.1 m ³
BILGEWATER	5.2 m ³
UREA	6.4 m ³

PERFORMANCES

BOLLARD PULL AHEAD	60.7 ton(m)
BOLLARD PULL ASTERN	56.8 ton(m)
SPEED	13.4 knots

PROPULSION SYSTEM

MAIN DIESEL ENGINES	2x MTU 16V4000M63R
TOTAL DIESEL POWER	3680 bkW (4935 bhp) at 1600 rpm
AZIMUTH THRUSTERS	2x Rolls Royce US 205
PROPELLER DIAMETER	2400 mm
FORCED VENTILATION	55.000 m ³ /h

ACCOMMODATION

For 8 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. Captain's cabin, chief engineer's cabin, 3 double crew cabins, galley, mess/dayroom, dry store and sanitary facilities.

AUXILIARY EQUIPMENT

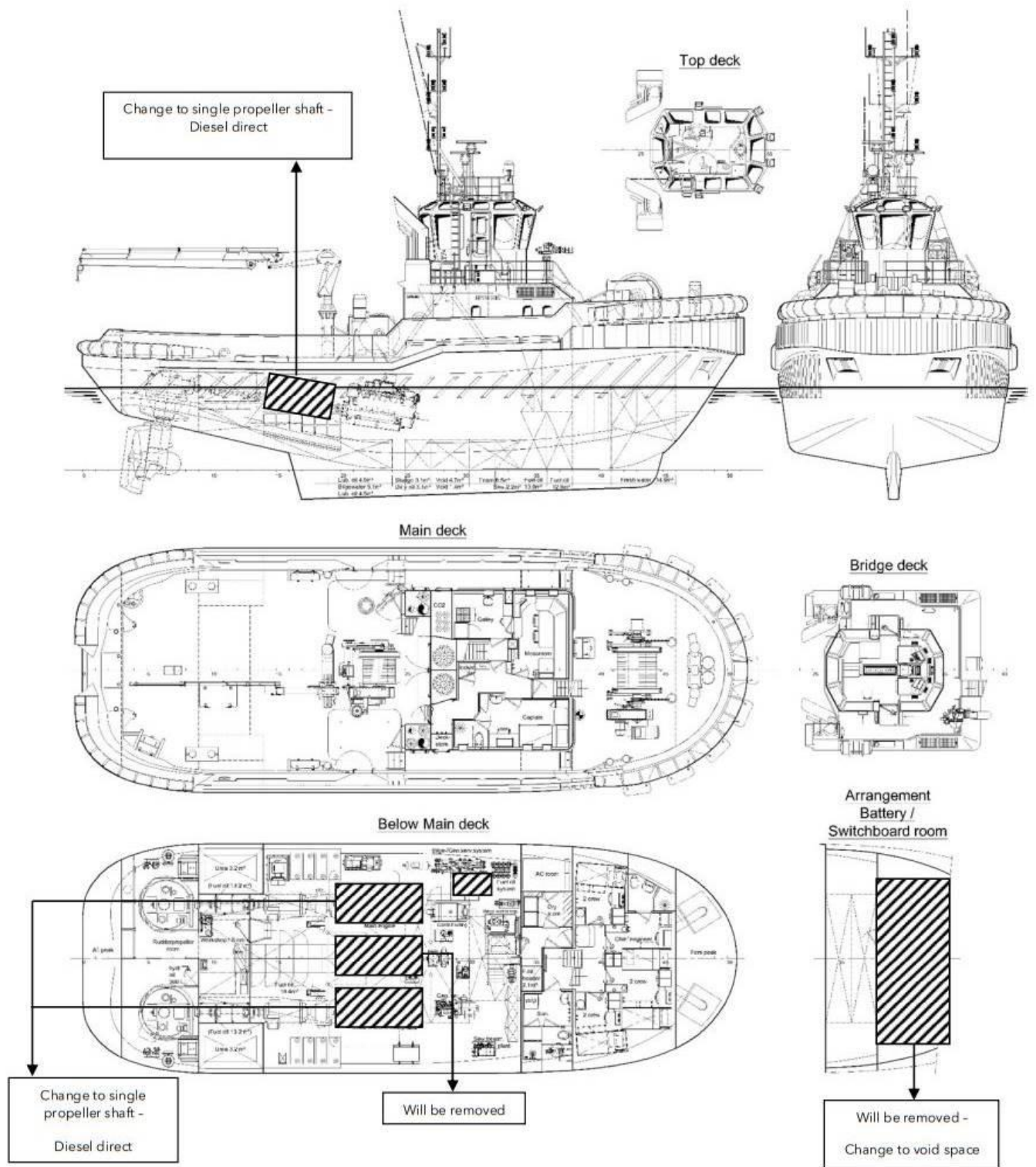
GENERAL GENERATOR SETS	1x Caterpillar C4.4, 107 kVA, 230/400 V, 50 Hz
BILGE PUMPS	2x Sterling AKHA 5101 each 20 m ³ /h
FUEL PUMPS	Sterling AKHA 4101 and AOHA 3101
COOLING SYSTEM	Box cooling + anti-growth system
PRESSURE SET	Freshwater Sterling HBK 111 / AOHA 1202
HYDRAULIC SYSTEM	One electrically driven auxiliary pump
FIFI SET	Propulsion gen. diesel driven pump 1200 m ³ /h 1x MTU 12V2000M41B, 800 KVA, 440 V 1200 m ³ /h, water/foam
FIFI MONITOR	

DECK LAY-OUT

ANCHORS	2x 360 kg Pool (High Holding Power)
FORWARD TOWING WINCH	Electrically driven two speed winch with split drum and warping head, pull 35 ton at 9.1 m/min, slack rope speed up to 28 m/min, 150 ton brake
CAPSTAN	5 ton at 15 m/min. electrically driven
CRANE	Heila HLM 20-3S
TOWING HOOK AFT	Mampaey 65 ton
TOWING WINCH AFT	Electrically driven two speed single drum, pull 35 ton at 9 m/min, slack rope speed up to 27 m/min, brake 150 ton
FENDERING	D-fender at sides, cylinder fender at transom corners, cylinder and W-block bow fender with water spray

NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCHLIGHT	2x Pesch 1000 W
RADAR SYSTEM	JRC JMA-5212-4BB with 19 inch screen
COMPASS/AUTOPILOT	Magnetic Kotter
AUTOPILOT	Simrad AP-70
GPS	Furuno GP-150
ECHOSOUNDER	Furuno FE-700
VHF RADIO TELEPHONE	2x Sailor Compact 6222 (one with DSC)
VHF HAND-HELD	2x Jotron Tron TR-20
NAVTEX	Furuno NX-700
AIS	Furuno FA-150
SPEED LOG	Furuno DS-80
EPIRB/SART	Jotron Tron 40S
SART	Jotron Tron Sart
SSB	Furuno FS-1575
INMARSAT + SPARE	Furuno Felcom 18
GYRO COMPASS	Anschutz standard 22 compact



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