



DAMEN ASD TUG [®] 3213

" YN 5130 28-31 "

GENERAL

YARD NUMBER	5130 28-31
BASIC FUNCTIONS	Towing, mooring, escorting and Ø fire-fighting operations
CLASSIFICATION	Lloyd's Register ✳ 100 A1 Escort Tug [✳] LMC UMS IWS Ø Lloyd's Register ✳ 100 A1 Escort Tug [✳] LMC UMS IWS Fire Fighting Ship 1 with waterspray

DIMENSIONS

LENGTH O.A.	32.44 m
BEAM O.A.	13.29 m
DEPTH AT SIDES	5.50 m
DRAUGHT AFT	6.30 m
DISPLACEMENT (%98 CONSUMABLES)	950 ton (approx.)

TANK CAPACITIES

FUEL OIL	200 m ³
FRESH WATER	65.2 m ³
LUBRICATION OIL	10.7 m ³
DIRTY OIL	4.9 m ³
BILGE WATER	4.9 m ³
SLUDGE	2.4 m ³
Ø FOAM	14.3 m ³
Ø DISPERSANT	3.0 m ³
SEWAGE	2.3 m ³

PERFORMANCES

BOLLARD PULL AHEAD	87.5 ton
BOLLARD PULL ASTERN	80.0 ton
SPEED AHEAD	14.2 knots

PROPULSION SYSTEM

MAIN ENGINE	2x Upgraded Caterpillar C280-8/MC1
MAIN ENGINE POWER	5966 bkW (8000 bhp) at 1010 rpm
AZIMUTH THRUSTERS	2x Rolls Royce US 2 85 CP
PROPELLERS	3000 mm controllable pitch propellers
ALARM SYSTEM	Praxis Mega guard
FORCED VENTILATION	40.000 m ³ /hr

AUXILIARY EQUIPMENT

MAIN GENERATOR SETS	2x Caterpillar C9TA, 400/230V, 188 kVA, 50 Hz
BILGE PUMPS	2x Sterling SIHI AKHA 34 6101 m ³ /hr at 10 m.w.g.
BILGE STRIPPING PUMP	Sterling SIHI AOHA 4.5 3101 m ³ /hr at 10 m.w.g.
FUEL PUMPS	Sterling SIHI AKHA 5101 and 2x R40/35
FUEL PURIFIERS	2x Westfalia OTC 2 -02-137
COOLING SYSTEM	Box cooling + anti marine growth system
SEWAGE TREATMENT PLANT	NT Hamann, Supermini+
FRESH WATER PRESSURE SET	2x Sterling AOHA 3101
HYDRAULIC SYSTEM	Double main engine driven pumps
Ø DISPERSANT	Dispersant pump set with 2 spraybooms
Ø FIRE FIGHTING	M.E. driven pump s, 1x1200m ³ /hr, 2x1200m ³ /hr(FiFi1)
Ø FIFI MONITORS	2 x 1200 m ³ /hr, water/foam

DECK LAY-OUT

ANCHORS + CHAIN	2 x 585 kg Pool (HHP), tot. 330m, chain 24mm, U2
ANCHOR/TOWING WINCH	Hydraulically driven two speed winch with double drum and warping head, pull 50 ton at 12 m/min and speed up to 32 m/min, 2x 150 m. Ø 96 mm. slack rope 212 ton brake
CAPSTAN	5 ton at 15 m/min. Electrically driven
Ø DECK CRANE	Heila HLM 10 -2S 1100 kg at 7.84 m
Ø TOWING WINCH AFT	Hydraulically driven, two speed winch with spooling device, pull 50,0 ton at 12 m/min and at 32 m/min, 1000 m Ø 60 mm wire, 2 12 ton brake
TOWING HOOK AFT	Mampaey 100 0 kN 101.9 ton S.W.L.
STERN ROLLER	SWL 126 ton, length: 3.0 m diam.: 1.2 m
Ø RESCUE BOAT	4 meter inflatable with 25 hp outboard engine

ACCOMMODATION

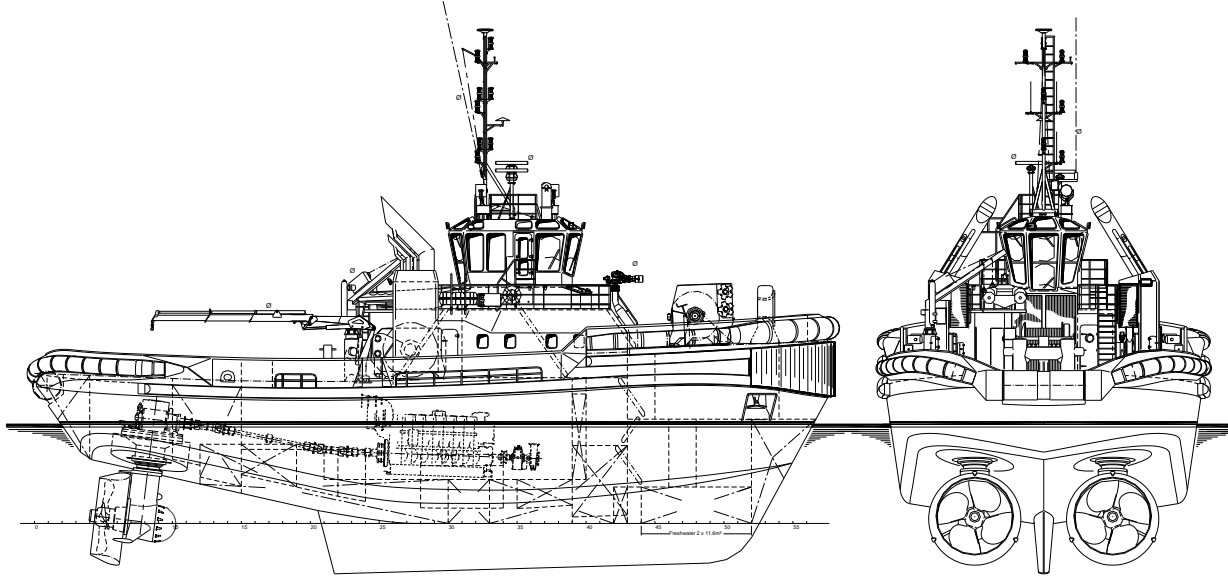
For 10 persons, insulated and finished with durable modern linings, floating floors, acoustical ceiling in the wheelhouse and air-conditioned. With 6 cabins, galley, mess/day room and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

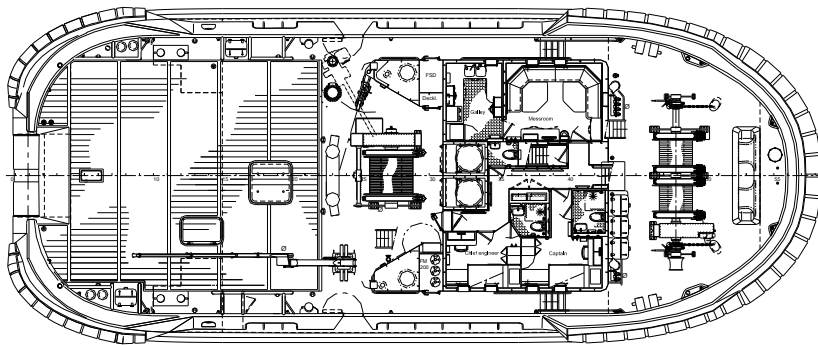
SEARCHLIGHT	2x Pesch , 1000 W, 230 V
RADAR SYSTEM	Furuno FAR -2117
COMPASS /AUTOPILOT	Magnetic Kotter / Simrad AP -70
GPS	Furuno GP -150
ECHOSOUNDER / SPEED LOG	Furuno FE -700 / Furuno DS -80
VHF RADIO TELEPHONE	2x Sailor Compact 6222 (one with DSC)
NAVTEX	Furuno NX -700
AIS / Ø SSB	Furuno FA -150 / Ø Furuno F S-1575
EPIRB / SART	Jotron Tron -40S / Jotron Tron Sart
Ø ANEMOMETER	Ø Windsonic OMC 115
INMARSAT	2x Furuno Felcom 18,1x with LRIT

COMPLETE VESSEL ON STOCK

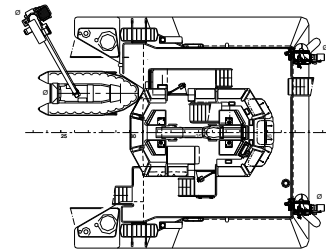
* PHOTOGRAPH SHOWS SIMILAR VESSEL / Ø = OPTIONAL EQUIPMENT



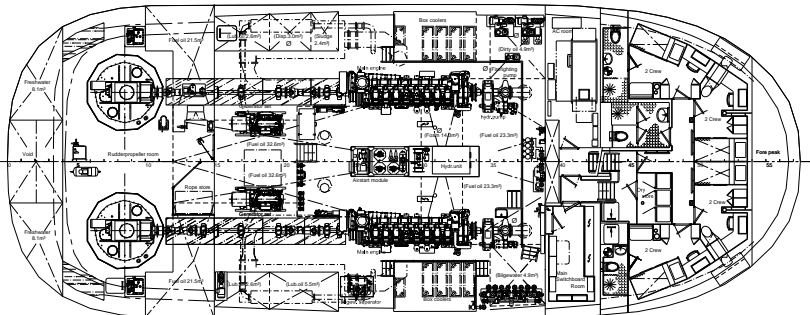
Maindeck



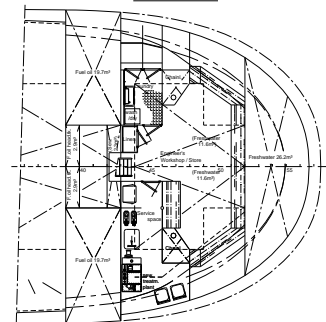
Bridgedeck



Below Maindeck



Lowerdeck



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"YN 513028-31"

DAMEN

DAMEN SHIPYARDS GORINCHEM

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