

Azimuth Stern Drive Tug 2810

STANDARD



▶ PICTURE OF SIMILAR VESSEL

GENERAL

Basic functions	Towing, mooring and Ø fire-fighting operations
Classification	Bureau Veritas I ✳ HULL • MACH Tug Unrestricted Navigation AUT UMS IWS Ø Bureau Veritas I ✳ HULL • MACH Tug Unrestricted Navigation AUT UMS IWS Fire Fighting Ship 1 Ø Lloyd's Register ✳ 100 A1 Tug [✳] LMC UMS IWS Ø Lloyd's Register ✳ 100 A1 Tug, Fire Fighting Ship 1 [✳] LMC UMS IWS Epoxy paint system
Painting	

DIMENSIONS

Length overall	28.67 m
Beam overall	10.43 m
Depth at sites	4.60 m
Draught aft	4.80 m
Displacement (98% consumables)	525 t

TANK CAPACITIES

Fuel oil	72.3 m ³ / Ø 85.9 m ³
Fresh water	14.9 m ³
Lubrication oil	9.0 m ³
Dirty oil	3.1 m ³
Sewage	2.2 m ³
Sludge	3.1 m ³
Bilge water	5.1 m ³
Ø Foam	6.5 m ³
Ø Dispersant	4.7 m ³

PERFORMANCES

Bollard pull ahead	58.0 t
Bollard pull astern	54.0 t
Speed	12.9 kn

PROPULSION SYSTEM

Main engines	2x Caterpillar 3516C TA HD/C
Total power	3730 bkW (5000 bhp) at 1600 rpm
Azimuth thrusters	Kongsberg Maritime US 205
Propeller diameter	2400 mm
Forced ventilation	55.000 m ³ /h

AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
General service pumps	2x Sterling AKHA 5101 20 m ³ /h
Fuel pumps	Sterling AKHA 4101 and AOHA 3101
Cooling system	Box cooling + anti-growth system
Fresh water pressure set	Sterling AOHA 1202
Hydraulic system	Two main engine driven pumps
Ø Oil pollution control	Dispersant pumpset with 2 spraybooms
Ø Fifi set	Main engine driven pump 600 m ³ /h, 1200 m ³ /h, 2400 m ³ /h
Ø Fifi monitor	1x 600 m ³ /h, 1x 1200 m ³ /h or 2x 1200 m ³ /h water/foam

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 up to 28 m/min, 150 ton brake
Ø Towing winch aft	Hydraulically driven two speed winch with spooling device and warping head, pull 35 ton at 9.2 m/min, slack rope speed up to 27.6 m/min, 150 ton brake
Ø Capstan	Electrically driven, 5 ton at 15 m/min
Ø Crane	Heila HLM 10-3S 0.8 ton at 10.36 m
Fendering	D-fender at sides, cylinder fender at transom corners, cylinder and W-block bow fender with waterspray

ACCOMMODATION

For 7 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, one single and two double crew cabins, galley, mess/dayroom, dry store and sanitary facilities.

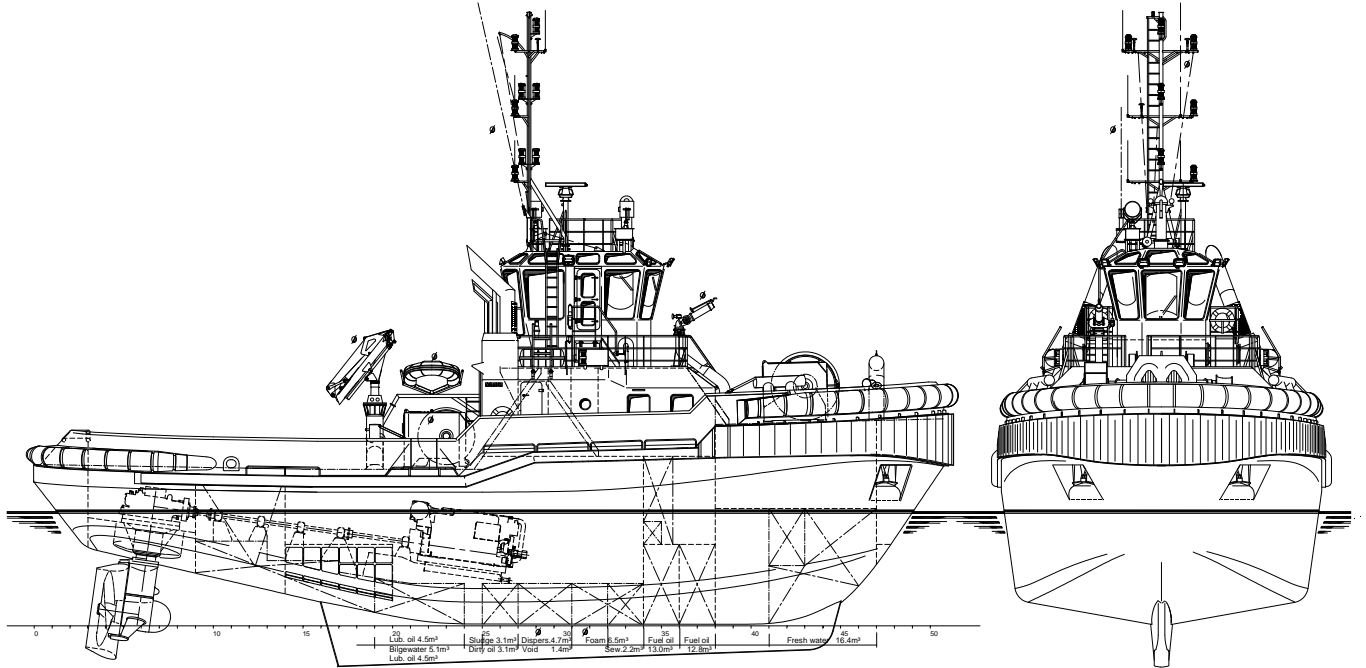
NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlights	2x Pesch 1000 W / Ø 2x Xenon 450 W
Radar system	Furuno FAR 2117 with 19 inch screen
Compass	Magnetic Kotter
Autopilot	Simrad AP-70
GPS	Furuno GP-170
Echosounder	Furuno LS-6100 or Ø Furuno FE-800
VHF radio telephone	2x Cobham Sailor 6222 (one with DSC)
VHF hand-held	2x Jotron Tron TR-20
Navtex	Furuno NX-700A
Ø SSB	Furuno FS-1575
Ø Inmarsat + Ø spare	Furuno Felcom 18
AIS	Furuno FA-150
EPIRB	Jotron Tron-60S
SART	Jotron Tronsart20
Anemometer	Observator Windsonic OMC 115

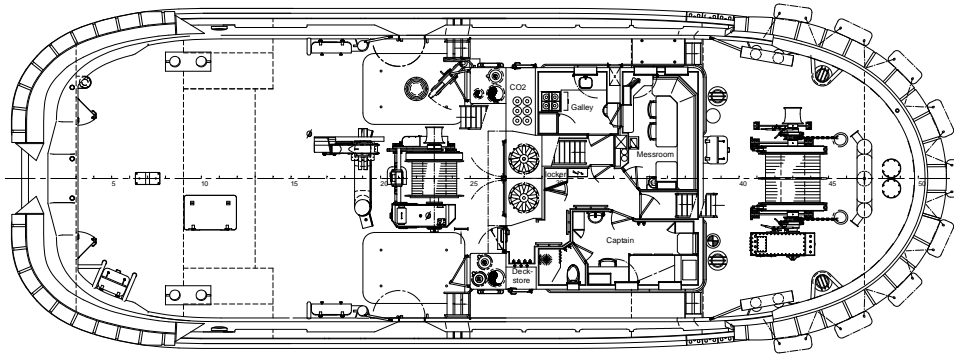
Ø = Optional equipment

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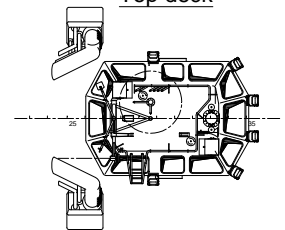
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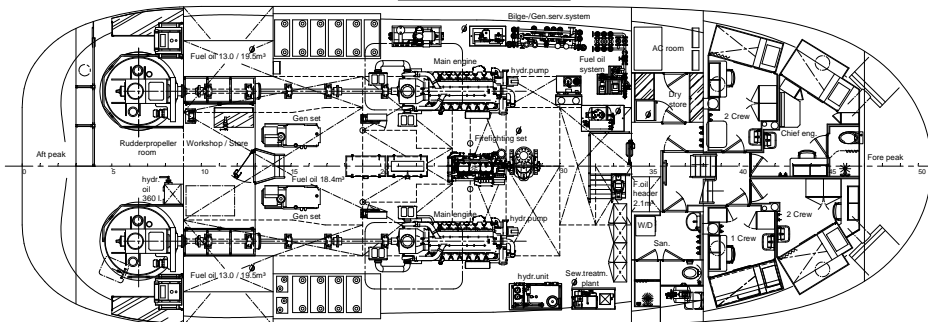
Main deck



Top deck



Below Main deck



Bridge deck

