

Azimuth Stern Drive Tug 2111



PICTURE OF SIMILAR VESSEL

GENERAL

Basic functions

Towing, mooring, Ø escort, Ø oil pollution control and Ø fire-fighting operations

Classification

Bureau Veritas
I * HULL • MACH Tug (Bollard pull = 60 t)
Unrestricted Navigation AUT UMS INWATER SURVEY
Ø Escort
Ø Clean Ship
Ø Green Passport EU
Ø Fire Fighting Ship 1
Ø Fire Fighting Ship 1 with water spray
Lloyd's register
Ø [x] 100 A1 Tug (Bollard pull = 60 t) [x] LMC UMS
IWS CAC 3
Ø ECO
Ø Descriptive note IHM
Ø Fire Fighting Ship 1
Ø Fire Fighting Ship 1 with water spray
Epoxy paint system

Painting

DIMENSIONS

Length overall
Beam overall
Depth at sides
Draught aft (approx.)
(98% consumables, without deck load and Ø)

21.02 m
10.81 m
4.05 m
5.00 m

TANK CAPACITIES

Fuel oil
Fresh water
Sewage
Dirty oil
Lubrication oil
Bilge water
Ø Foam
Ø Dispersant
Ø Urea

31.80 m³
7.0 m³
3.0 m³
1.3 m³
1.3 m³
2.5 m³
6.3 m³
2.5 m³
1.5 m³

PERFORMANCES

Bollard pull ahead
Bollard pull astern
Speed

60.0 T
55.0 t
11.7 kn

PROPULSION SYSTEM

Main engines
Total power
Azimuth thrusters
Clutches (Slipping type)
Propeller diameter
Forced ventilation
Ø Exhaust emission

Caterpillar 3512C HD T/A/C
3806kW (5104bhp) at 1800 rpm
Kongsberg US205S
Kongsberg Built in
2400 mm
50.000 m³/h
IMO Tier III compliant

AUXILIARY EQUIPMENT

Generator sets
Harbor generator set
Bilge pump
Ø Bilge water separator
General service pumps
Fuel oil pump
Fuel oil filters
Fuel oil purifiers
Cooling system
Fresh water pressure set
Sewage pump
Ø Sewage treatment plant
Ø Central heating system
Hydraulic system
Ø Oil pollution control
Ø Fifi pump
Ø Fifi monitor

2x shaft generator 50 kW each, 400 V, 50 Hz
1x Caterpillar C4.4, 64,5 kVA, 400 V, 50 Hz
Azcue CA-32/05 3.6 m³/h
RWO OWS-COM up to 0.5 m³/h
2x Azcue CA-50/3 27.0 m³/h
Azcue MR41/10 up to 12.0 m³/h
2x Coalester filters incl. water separator
2x CJC PTU3 27/81 MZ-E2PWZ, 1920 l/h each
Keel cooling + box cooling
DAB Euroinox 40/50T
Distribex B40 6.6 m³/h
Selmar Blue Sea Plus 2500
Oil fired heater
Main engine driven pumps (i.c.w. CAT main engines)
Dispersant pumpset with 2 spraybooms
Main engine driven pump(s) 1200 m³/h or 2400 m³/h
1x 1200 m³/h or 2x 1200 m³/h water, 300 m³/h water/foam mixture

DECK LAY-OUT

Anchor
Anchor winch
Towing winch

Ø Towing pins
Ø Capstan aft deck
Ø Towing hook aft
Ø Capstan fore deck
Ø Crane

Fendering

1x 270 kg + Ø 1x 270 kg Pool (High Holding Power)
1x Electrically driven 10 m/min + Ø 1x Electrically driven 10 m/min
Hydraulically driven double drum, pull 39 ton and speed up to 9.5 m/min, high speed pull up to 32.5 m/min, brake holding force 150 ton
2x hydraulically driven SWL 12 ton
Electrically driven, 5 ton at 16 m/min
Mampaey SWL 650 kN / 65 ton
Electrically driven, 5 ton at 16 m/min
HS Marine AK 16 HE3, 0,8 t at 11.15 m or
HS Marine AK 28/10.3 E3, 1.7 t at 10.30 m + winch 2000 kg.
Cylindrical rubber bow fender above fender, rubber fender at sides, cylindrical fender aft and W-block fender push bow, Ø tyre fendering

ACCOMMODATION

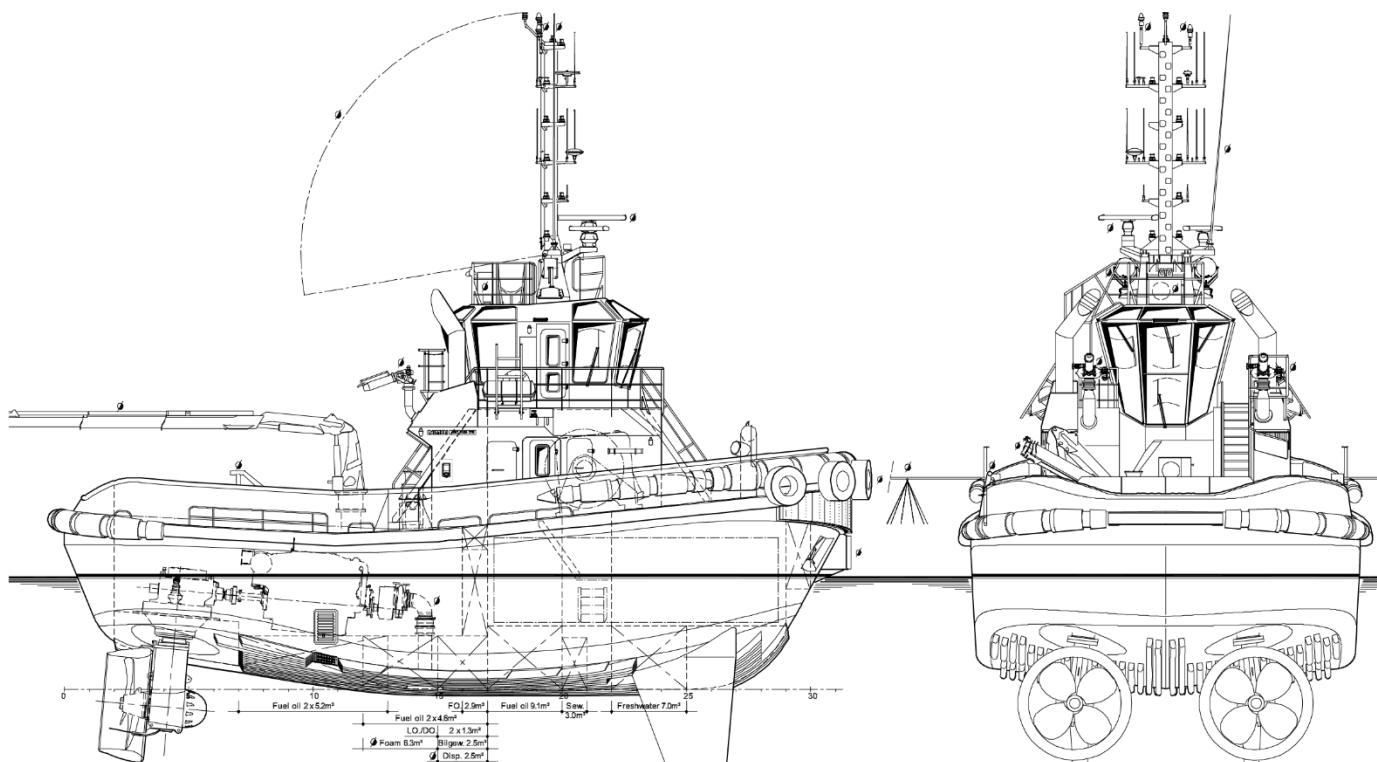
For 6 persons, completely insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse and floating floors. Air-conditioned accommodation with three crew cabins and galley/ mess at accommodation deck.

NAUTICAL AND COMMUNICATION EQUIPMENT

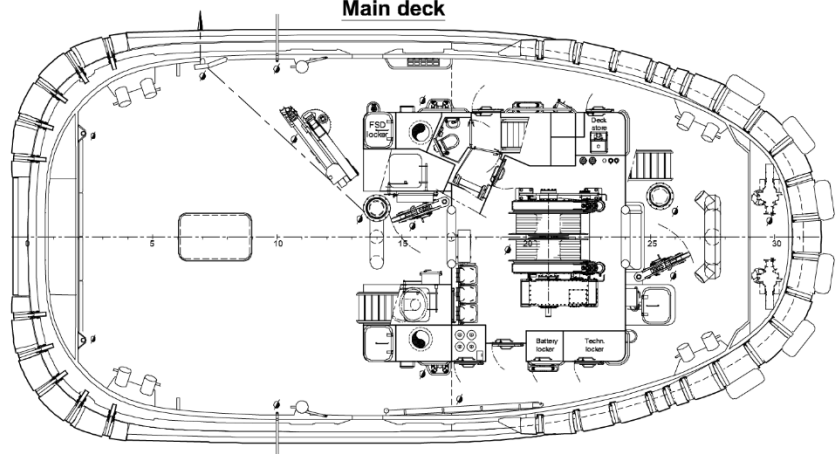
Searchlight
Radar system
Electronic chart system
Ø ECDIS
Compass
Satellite compass/GPS
Autopilot
Echosounder
CCTV
VHF radio telephone
VHF portable (GMDSS)
Ø SSB
Ø Inmarsat + Ø spare
Navtex
AIS
EPIRB
SART
Ø VDR
Remote monitoring
Anemometer
Ø = Optional equipment

1x Norselicht SH470 2000 W + Ø 1x Norselicht SH470 2000 W
1x Furuno FAR 1518-BB + Ø 1x Furuno FAR 1518-BB
MaxSea TZ Professional
Furuno FMD-3200
Cassens & Plath Reflecta 11
JRC JLR-21
Simrad AP-70
Furuno FCV-600 or Ø Furuno FE-800 (MED)
1 camera or Ø 6 cameras
2x Cobham Sailor 6222 (one with DSC) + Ø 1x Cobham Sailor 6215
2x Sailor SP3540
Furuno FS-1575
Furuno Felcom 18
Furuno NX-900
Furuno FA-170
Jotron Tron-60AIS
McMurdo AIS S5
Furuno VR-7000
Ready for Damen Triton
Gill Instruments GMX500

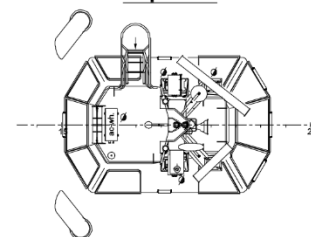
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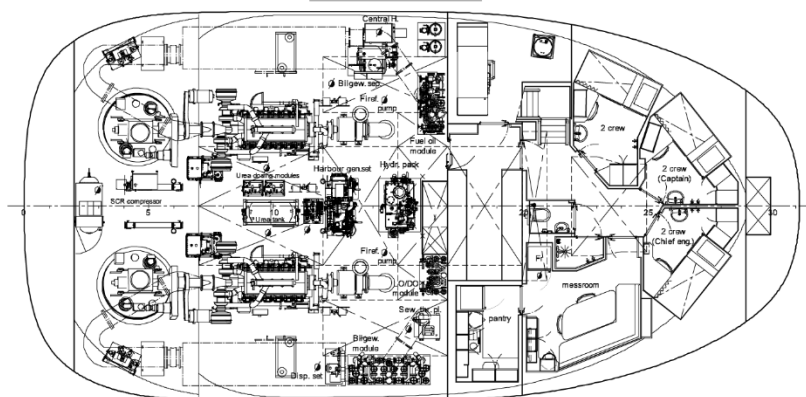
Main deck



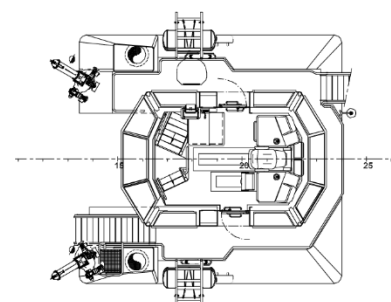
Top deck



Below Main deck



Bridge deck



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