

Azimuth Stern Drive Tug 2811

STANDARD



» PICTURE OF SIMILAR VESSEL

GENERAL

Basic functions	Towing, mooring and Ø fire-fighting operations
Classification	Bureau Veritas 1 * HULL • MACH Tug (Bollard pull = 65t) Unrestricted Service AUT UMS Inwater Survey COMF-NOISE 3, COMF-VIB 3 Ø Escort Ø Fire Fighting Ship 1 Ø Fire Fighting Ship 1 with water spray Ø Lloyd's Register [*] 100 A1 Tug (Bollard pull = 65t) [*] LMC UMS IWS CAC 3
Painting	Epoxy paint system

DIMENSIONS

Length overall	28.57 m
Beam overall	11.43 m
Depth at sites	4.60 m
Draught aft	4.65 m
Displacement (98% consumables)	550 t
Gross tonnage	299
Scantlings	Hull 10 mm, sheerstrake 15 mm

TANK CAPACITIES

Fuel oil	67.8 m ³
Fresh water	14.0 m ³
Lubrication oil	2.3 m ³
Dirty oil	2.3 m ³
Sewage	7.4 m ³
Bilge water	4.9 m ³
Ø Foam	9.8 m ³
Ø Dispersant	4.9 m ³
Ø Urea	3.0 m ³

PERFORMANCES

Bollard pull ahead	60.0 t
Bollard pull astern	55.0 t
Speed ahead	13.0 kn
Speed ahead	12.5 kn

PROPULSION SYSTEM

Main engines	2x Caterpillar 3512C TA HD/D
Total power	3806 bkW (5104 bhp) at 1800 rpm
Azimuth thrusters	Kongsberg Maritime US 205
Propeller diameter	2500 mm
Forced ventilation	60.000 m ³ /h
Ø Exhaust emission	IMO Tier III certified

AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C4.4 TA, 400 V, 100 kVA, 50 Hz
Ø Generator sets	2x Caterpillar C4.4 TA, 440 V, 116 kVA, 60 Hz
Bilge pump	Megator L125 V-DBP
General service pumps	2x Azcue CA-50/3A 20 m ³ /h
Fuel transfer pump	Azcue CA40-1B 12 m ³ /h
Fuel oil filters	2x Coalester filters incl. water separator
Fuel oil purifiers	2x CJC PTU3 27/81 MZ-E2PWZ, 1920 l/h each
Ø Sewage treatment plant	Tecnicomar ECOMar 20
Cooling system	Box cooling + anti-growth system
Hydraulic system	Two main engine driven pumps
Ø Oil pollution control	Dispersant pumpset with 2 spraybooms
Ø Fifi set	Main engine driven pump 1200 m ³ /h, 2400 m ³ /h or Ø water spray
Ø Fifi monitor	1x 1200 m ³ /h or 2x 1200 m ³ /h water/foam

DECK LAY-OUT

Anchor(s)	1x 360 kg Pool + Ø 1x 360 kg Pool (High Holding Power)
Anchor winch	10 m/min
Towing winch	Hydraulically driven two speed winch with split drum and warping head, pull 31.5 ton at 9.5 m/min, slack rope speed up to 41 m/min, 150 ton brake
Ø Towing winch aft	Hydraulically driven two speed winch with spooling device and warping head, pull 40 ton at 8.1 m/min, slack rope speed up to 34 m/min, 150 ton brake
Ø Capstan	Electrically driven, 5 ton at 15 m/min or Ø 18 m/min
Towing hook aft	Mampaey SWL 650 kN / 65 ton
Ø Crane	Heila HLM 10-3S 0.8 ton at 10.36 m or Heila HLM 20-3S 1.7 ton 10.56 m + winch 2000 kg
Fendering	D-fender at sides, cylindrical fender at transom corners, cylindrical and W-block bow fender with water spray

ACCOMMODATION

For max. 8 persons (MLC 2006 compliant), 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.

NAUTICAL AND COMMUNICATION EQUIPMENT

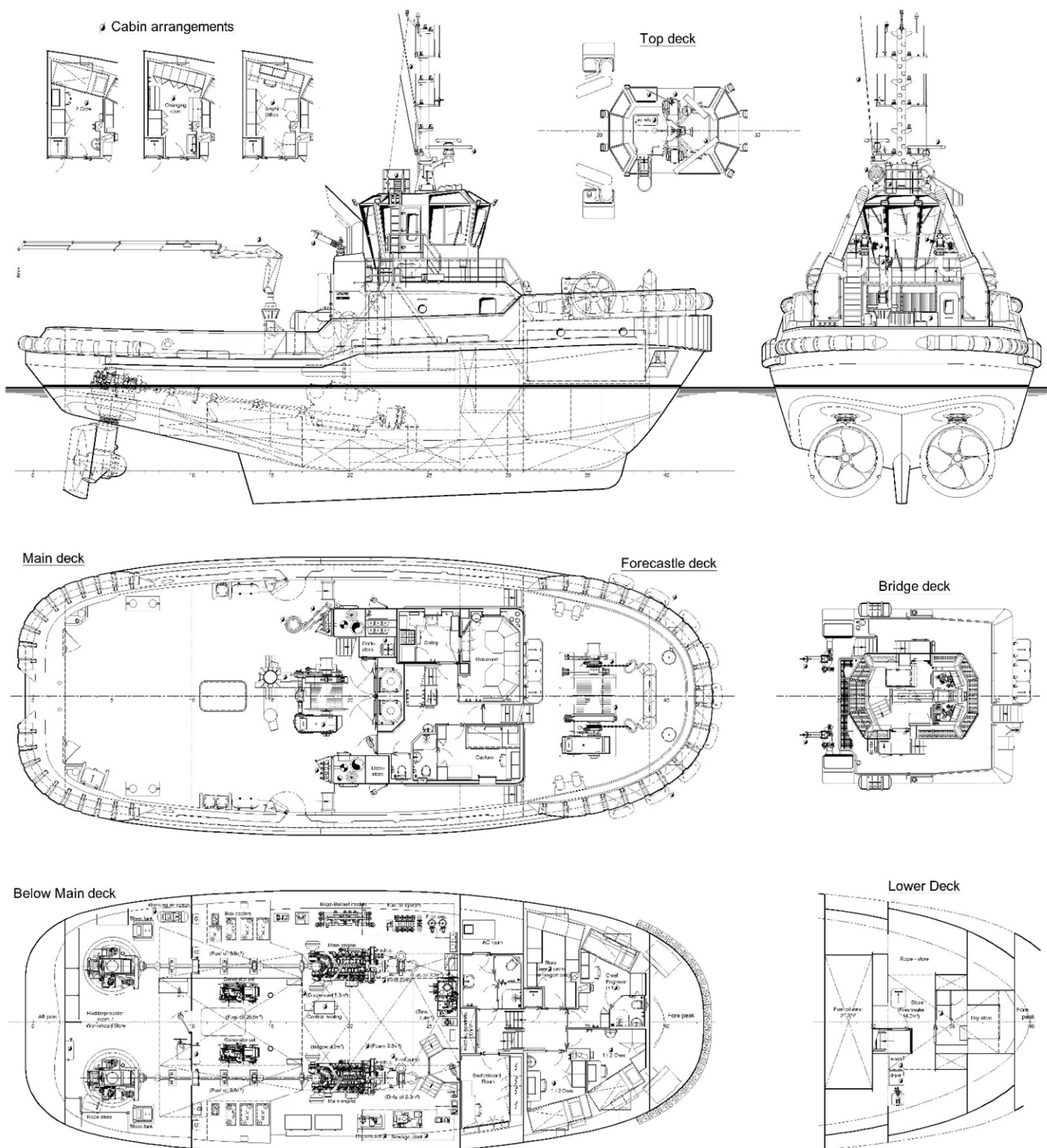
Searchlight(s)	1x Norselight 2000 W + Ø 1x Norselight 2000 W
Radar system(s)	1x Furuno FAR 1518-BB + Ø 1x Furuno FAR 1518-BB
Compass	Cassens & Plath Reflecta 11
Satellite compass/GPS	Simrad GN70/HS80A
Ø Gyro compass	Anschutz Standard 22 Compact
Autopilot	Simrad AP-70
Echosounder	Furuno FCV-628 / Ø Furuno FE-800
VHF radio telephone	2x Cobham Sailor 6222, one with DSC + Ø 1x Cobham Sailor 6215
VHF hand-held	2x Jotron Tron TR-30
Navtex	Furuno NX-700B
Ø SSB	Furuno FS-1575
Ø Inmarsat + Ø spare	Furuno Felcom 18
Ø ECDIS	Furuno FMD-3200
AIS	Furuno FA-170
EPIRB	Jotron Tron-60S
SART	Jotron Tronsart20
Remote monitoring	Ready for Damen Triton
Anemometer	Gill Instruments GMX 500

Ø = Optional equipment



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