

Azimuth Stern Drive Tug 3212

STOCK



▶ PICTURE OF SIMILAR VESSEL

GENERAL

Basic functions	Push-pull, escorting, towing, Ø fire-fighting and Ø oil pollution control operations
Classification	Bureau Veritas I * HULL • MACH Escort Tug (Bollard pull = 85 t) (maximum steering force = 75 t, maximum breaking force = 90 t, maximum escort speed = 10 kn) Unrestricted Navigation AUT UMS INWATER SURVEY COMF-NOISE 3, COMF-VIB 3 Ø Fire Fighting Ship 1 Ø Fire Fighting Ship 1 with water spray Ø Green Passport EU Ø Clean ship Ø Lloyd's Register [*] 100 A1 Escort Tug (Bollard pull = 85 t) [*] LMC UMS IWS CAC 3
Painting	Epoxy paint system

DIMENSIONS

Length overall	32.70 m
Beam overall	12.82 m
Depth at sites	5.35 m
Draught aft	5.90 m
Displacement (98% consumables)	800 t
Gross tonnage	450 t

TANK CAPACITIES

Fuel oil	148.3 m ³
Fresh water	15.4 m ³
Sewage	5.1 m ³
Dirty oil	7.8 m ³
Clean lubrication oil	6.5 m ³
Bilge water	6.5 m ³
Ø Foam	12.3 m ³
Ø Dispersant	5.1 m ³
Ø Urea	3.0 m ³

PERFORMANCES

Bollard pull ahead	82.4 t
Bollard pull astern	77.4 t
Speed	13.5 kn

PROPULSION SYSTEM

Main engines	2x Caterpillar 3516C TA HD/D
Total power	5050 bkW (6772 bhp) at 1800 rpm
Azimuth thrusters	Kongsberg Maritime US 255 P30 FP
Propeller diameter	3000 mm
Forced ventilation	80.000 m ³ /h
Ø Exhaust emission	IMO Tier III certified

AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
Ø Generator sets	2x Caterpillar C4.4 TA, 440 V, 123 kVA, 60 Hz
Bilge pump	Azcue CA-32/05, up to 10 m ³ /h
General service pumps	2x Azcue CA-50/3A, up to 27 m ³ /h
Fuel oil pump	Azcue CA40-1B, up to 12 m ³ /h
Fuel oil purifiers	2x CJC PTU3 27/81, 1920 l/h each
Fresh water pressure set	Azcue MO-19/10
Sewage treatment plant	Selmar Blue Sea Plus 2500
Cooling system	Box cooling + anti-growth system
Hydraulic system	Double main engine driven pumps
Ø Oil pollution control	Dispersant pumpset with two spraybooms
Ø Fifi set	Main engine driven pump 1200 m ³ /h or 2400 m ³ /h Ø with water spray
Ø Fifi monitor	1x 1200 m ³ /h or 2x 1200 m ³ /h water/foam

DECK LAY-OUT

Anchors	2x 495 kg Pool (High Holding Power)
Anchor winches	2x Electric 10 m/min
Towing winch	Hydraulically driven two speed double drum, low speed pull 30 ton up to 27 m/min, maximum speed 44 m/min, brake 200 ton
Ø Rendering/recovery winch	Hydraulically driven double drum rendering/recovery winch, recovery capacity 30 ton up to 44 m/min on 2 nd layer, rendering 112 ton up to 82 m/min on 2 nd layer
Ø Capstan fore	Electrically driven, 5 ton at 15 m/min
Ø Capstan aft	Electrically driven, 5 ton at 15 m/min
Ø Towing hook aft	SWL 100 ton
Ø Towing winch aft	Hydraulically driven single drum two speed winch with spooling device and warping head, high pull/low speed 31 ton up to 12 m/min, slack rope speed up to 39 m/min, 200 ton brake
Ø Crane	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.
Fendering	D-fender at sides, cylindrical fender at transom corners, cylindrical bow fender and nine heavy fender tyres on the fore ship

ACCOMMODATION

For 10 (Ø 12) persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

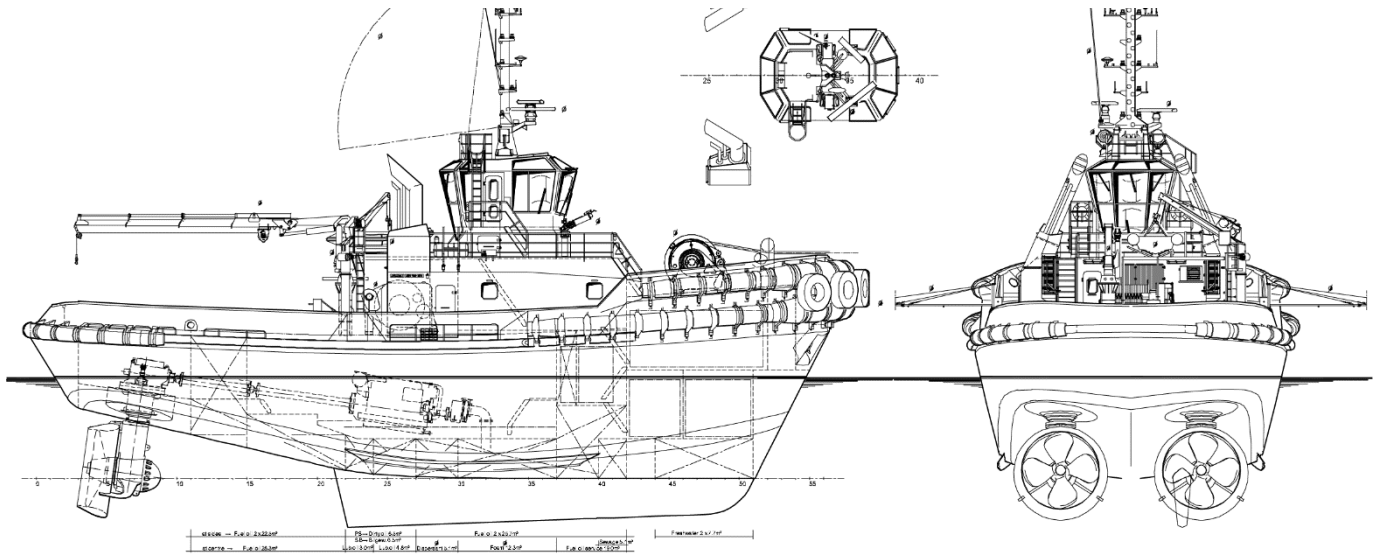
Searchlight(s)	1x Norselight SH470 2000 W + Ø 1x Norselight SH470 2000 W
Radar system(s)	1x Furuno FAR 1518-BB + Ø 1x Furuno FAR 1518-BB
Electronic chart system	MaxSea TZ Professional or Ø Furuno FMD-3200
Compass	Cassens & Plath Reflecta 11
Satellite compass/GPS	Simrad GN70/HS80A
Autopilot	Simrad AP-70
Echosounder	Furuno FE-800
VHF radio telephones	2x Cobham Sailor 6222, one with DSC + Ø 1x Cobham Sailor 6210
Navtex	Furuno NX-700B
Ø SSB	Furuno FS-1575
Ø LRIT	Furuno Felcom 19
Ø Inmarsat	2x 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

DAMEN

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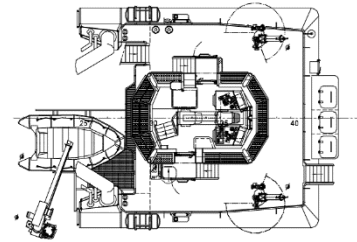
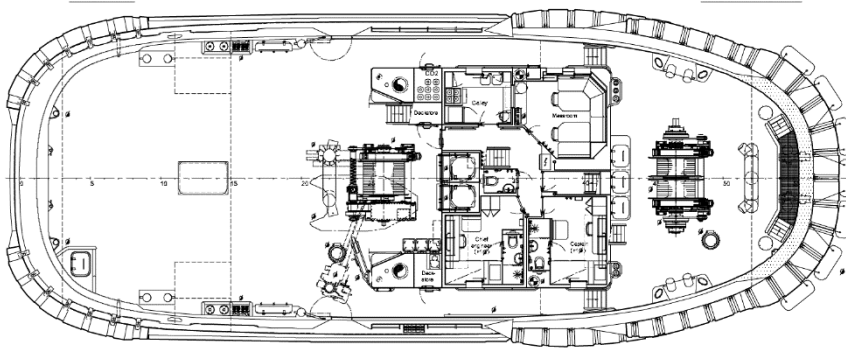
STOCK



Main deck

Forecabin deck

Bridge deck



Below Main deck

Lower deck

