

Azimuth Stern Drive Tug 2813

STOCK



PICTURE OF SIMILAR VESSEL

GENERAL

Basic functions

Towing, mooring, escorting and Ø fire-fighting operations

Classification

Bureau Veritas
I * HULL • MACH Tug (Bollard pull = 80t)
(maximum steering force = 81t, maximum braking force = 97t, maximum escort speed = 10 kn) Unrestricted Service AUT UMS INWATER SURVEY COMF-NOISE 3, COMF-VIB 3
Ø Escort
Ø Fire Fighting 1
Ø Fire Fighting 1 with water spray
Ø Clean Ship
Ø Green Passport EU
Ø Lloyd's Register
[*] 100 A1 Tug (Bollard pull = 80t) [*] LMC UMS
IWS CAC 3
Epoxy paint system

Painting

DIMENSIONS

Length overall	27.59 m
Beam overall	12.93 m
Depth at sides	5.20 m
Draught aft *	6.15 m
Displacement (approx.) *	704 t
Gross tonnage	388 t

* Without options

TANK CAPACITIES

Fuel oil	89.20 m ³
Fresh water	17.20 m ³
Ø Fresh water (incl. additional tanks)	21.90 m ³
Clean lubrication oil	2.40 m ³
Dirty lubrication oil	2.40 m ³
Sewage	8.40 m ³
Bilge water	5.60 m ³
Ø Foam	9.46 m ³
Ø Dispersant	4.90 m ³
Ø Urea	3.00 m ³

PERFORMANCES

Bollard pull ahead	82.7 t
Bollard pull astern	76.1 t
Speed ahead	12.7 kn

PROPULSION SYSTEM

Main engines	2x Caterpillar 3516C TA HD / D
Total power	5050 bkW (6772 bhp) at 1800 rpm
Azimuth thrusters	2x Kongsberg Maritime US 255 P30/P35 FP
Propeller diameter	3000 mm
Forced ventilation	80.000 m ³ /h
Ø Exhaust emission	IMO Tier III compliant

Ø = Optional equipment

AUXILIARY EQUIPMENT

Generator sets

2x Caterpillar C4.4 TA, 400 V, 107 kVA, 50 Hz or Ø 440 V, 123 kVA, 60 Hz

General service pumps

2x Azcue CA 50/3 27 m³/h up to 3.4 bar

Oily-bilge water stripping pump

Azcue CA 32/05 10 m³/h up to 1.3 bar

Ø Bilge water separator

RWO OWS-COM 0.5 up to 0.5 m³/h

Fuel transfer pump

Azcue MR-41/10 12.0 m³/h up to 1.2 bar

Fuel oil purifiers

2x CJC PTU3 27/81 MZ - E2PWZ

Fresh water pressure set

DAB Euroinox 40/50T 70 l/min up to 3.0 bar

Sewage pump

Distrimex B40 6.6 m³/h up to 1.5 bar

Ø Sewage treatment plant

Selmar Blue Sea Plus 2500

Cooling system

Box cooling + anti-growth system / keel cooling channels

Clean lubrication oil pump

Azcue BT-HM-32D4 2.4 m³/h up to 6.0 bar

Ø Oil filtration system (thrusters)

CJC HDU 27/27 PV-E2H1PZ

Dirty lubrication oil pump

Azcue BT-HM-32D4 2.4 m³/h up to 6.0 bar

Hydraulic system

Main engine driven pumps

Ø Oil pollution control

Dispersant pumpset with spraybooms

Ø Fifi set

Main engine driven pump 1200, 2400 m³/h or Ø with water spray

Ø Fifi monitor

1x 1200 or 2x 1200 m³/h, water/foam

DECK LAY-OUT

Anchors

2x 360 kg Pool (High Holding Power)

Anchor winches

2x Electrically driven, DMC

Towing winch fore

Hydraulically driven double drum, pull 35 ton up to

10 m/min, high speed pull up to 40 m/min, brake 200 ton

Hydraulically driven two speed winch with spooling device, pull

30 ton up to 11 m/min, slack rope speed up to 40 m/min, 200 ton brake

SWL 86 ton

Electrically driven, 5 ton at 16 m/min or Ø 19 m/min

Electrically driven, 5 ton at 16 m/min or Ø 19 m/min

HS.Marine AK 16 HE3, 0.8 t at 11.15 m. or AK 28/10.3 E3, 1.7 t at 10.30 m + winch 2150 kg.

D-fender at sides, cylindrical fender at transom corners, cylindrical and W-block bow fender with water spray

Fendering

ACCOMMODATION

For max. 10 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, 4 double crew cabins, galley, mess/dayroom, dry store, ships office and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight

1x Norselight 2000 W + Ø 1x Norselight 2000 W

Radar system

1x Furuno FAR 1518-BB + Ø 1x Furuno FAR 1518-BB

Satellite compass / GPS

JRC JLR-21

Electronic Chart System

MaxSea TZ Professional

Compass

Cassens & Plath Reflecta 11

Autopilot

Simrad AP-70

Echosounder

Furuno FE-800

Speed log

Furuno DS-85

VHF Radio telephone

2x Cobham Sailor 7222 (one with DSC) + Ø 1x Cobham Sailor 6215

VHF hand-held

2x Sailor SP3540

Navtex

Furuno NX-900

AIS

Furuno FA-170

Ø SSB

Cobham Sailor 6310

EPIRB

Jotron TRON 60AIS

Sart

Jotron TRON AIS

Remote monitoring

Ready for Damen Triton

Ø Inmarsat + Ø spare

Furuno Felcom 18 + Furuno Felcom 18

Ø LRIT

Furuno Felcom 19

Anemometer

Gill instruments GMX500

DAMEN

STOCK

