



FAIRPLAY-93

AZIMUTH STERN DRIVE (ASD) TUG

MAIN DATA		TANK CAPACITIES		ACCOMODATION	
Basic functions:	Towing, mooring and fire-fighting operations	Fuel oil (incl. long range tanks)	78.4 m ³	For 6 persons (MLC 2006 compliant), completely insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse and floating floors. Air-conditioned accommodation with four crew cabins and galley/mess at accommodation deck. Switchboard room and sanitary facilities at lower deck.	
Owner:	Damen Marine Services B.V.	Fuel oil:	54.6 m ³		
Classification:	Bureau Veritas I ✕ HULL • MACH Escort Tug (Bollard pull = 70 t, maximum steering force = 65 t, maximum braking force = 49 t, maximum escort speed = 10 kn) Unrestricted Navigation AUT UMS Inwater Survey Fire Fighting Ship 1 Green Passport EU	Fresh water:	7.8 m ³		
		Sewage:	5.1 m ³		
Register & Flag:	The Netherlands	Dirty oil:	1.5 m ³	NAUTICAL AND COMMUNICATION EQUIPMENT	
DIMENSIONS		Lubrication oil:	1.5 m ³	ECDIS:	Furuno FMD-3200
Length over all:	22,80 m	Bilge water:	3.0 m ³	Radar:	Furuno FAR 1518-BB
Breadth over all:	12,03 m	Foam:	6.1 m ³	Searchlights:	2x Norselight SH470 2000 W
Draft (min/max):	4,40 m / 5,40 m	Urea:	2,5 m ³	Satellite compass/GPS:	Simrad GN70/HS80A
Displacement (98% consumables):	485 t	AUXILIARY EQUIPMENT		Compass:	Cassens & Plath Reflecta 11
Scantlings:	Hull 10 mm, sheerstrake 15 mm	Generator sets:	2x Caterpillar C4.4 TA, 400 V, 103 kVA, 50 Hz	NAVTEX:	Furuno NX-700B
PROPULSION SYSTEM		Bilge pump:	Azcue CA-32/05 up to 10 m ³ /h	Echo Sounder:	Furuno FE-800
Type:	2 x Schottel SRP 3030 CP	General service pumps:	2x Azcue CA-50/3A up to 27 m ³ /h	Autopilot:	Simrad AP-70
Main Engines:	2x Caterpillar 3512C TA HD/D	Fuel oil pump:	Azcue CA40-1B up to 12.0 m ³ /h	VHF radio telephone:	2x Cobham Sailor 6222, one with DSC
Total Power:	3804 bkW (5102 bhp) at 1800 rpm	Fuel oil filters:	2x Coalester filters incl. water separator	Handheld VHF:	Sailor SP3540
Azimuth thrusters:	Kongsberg Maritime US 205	Fuel oil purifiers:	2x CJC PTU3 27/81, 1920 l/h each	SSB:	Furuno FS-1575
Clutches (on-off type):	Kongsberg Maritime 'built in' type or equal	Fresh water pressure set:	Azcue MO-19/10	AIS:	Furuno FA-170
		Cooling system:	Box cooling and keel cooling + anti-growth system	EPIRB:	Jotron Tron-60S
Propeller diameter:	2800 mm	Hydraulic system:	Double main engine driven pumps	SART:	Jotron Tronsart20
Forced ventilation:	60.000 m ³ /h	Fifi set:	Main engine driven pumps 1200 - 1400 m ³ /h	Remote monitoring:	Ready for Damen Triton
Exhaust aftertreatment:	Damen SCR system, IMO Tier III compliant	Fifi monitors:	2x 1200 m ³ /h water/foam	Anemometer:	Gill Instruments GMX 500
		DECK LAYOUT		COMMUNICATION	
PERFORMANCES		Anchors:	2x 360 kg Pool (High Holding Power)	Phone:	+31 6 82000784
Bollard Pull ahead:	70 to	Anchor winches:	10 m/min	Mail Port:	fairplay-93@fairplay-towage.com
Bollard Pull astern:	65 to	Towing winch:	Hydraulically driven double drum, pull up to 35 ton and speed up to 40 m/min on second layer, 175 ton brake holding force		
Speed:	13 kn				



Particulars of this unit and inventory believed correct at time of printing but subject to change. Printed November 2023 replacing all previously printed particulars