



FAIRPLAY-93

AZIMUTH STERN DRIVE (ASD) TUG

MAIN DATA		TANK CAPACITIES		ACCOMMODATION	
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
Propeller diameter:	2800 mm	Cooling system:	Box cooling and keel cooling + anti-growth system	EPIRB:	Jotron Tron-60S
Forced ventilation:	60.000 m ³ /h	Hydraulic system:	Double main engine driven pumps	SART:	Jotron Tronsart20
Exhaust aftertreatment:	Damen SCR system, IMO Tier III compliant	Fifi set:	Main engine driven pumps 1200 - 1400 m ³ /h	Remote monitoring:	Ready for Damen Triton
PERFORMANCES		Fifi monitors:	2x 1200 m ³ /h water/foam	Anemometer:	Gill Instruments GMX 500
Bollard Pull ahead:	70 to	DECK LAYOUT			
Bollard Pull astern:	65 to	Anchors:	2x 360 kg Pool (High Holding Power)		
Speed:	13 kn	Anchor winches:	10 m/min		
		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		



Particulars of this unit and inventory believed correct at time of printing but subject to change. Printed November 2022 replacing all previously printed particulars