



## FAIRPLAY-91 REVERSED STERN DRIVE TUG

MAIN DATA		TANK CAPACITIES		ACCOMMODATION	
Delivery date:	January 2023	Fuel oil:	77.1 m <sup>3</sup>	<p>For 6 persons, completely insulated and finished with durable modern linings, sound absorbing ceiling in the wheelhouse and floating floors. Air-conditioned wheelhouse, accommodation and switchboard room. Accommodation above main deck with a captain's cabin, chief engineer's cabin, two double crew cabins, pantry, mess/dayroom and sanitary facilities. The superstructure is mounted resiliently to reduce noise levels.</p>	
Manager:	Fairplay Schleppdampfschiffs-Reederei R. Borchard GmbH	Fresh water:	8.5 m <sup>3</sup>		
Owner:	Fairplay Polska Towage	Bilge water:	5.9 m <sup>3</sup>		
Basic functions	Towing, mooring and fire-fighting	Sewage:	5.9 m <sup>3</sup>		
Classification:	Bureau Veritas IXHULL • MACH Escort Tug (design bollard pull = 85t) (design maximum steering force = 52t, design maximum braking force = 93t, design maximum escort speed = 10 kn) Unrestricted Navigation YOUNG ICE 2 AUT UMS INWATER SURVEY COMF-NOISE 3, COMF-VIB 1 Fire Fighting Ship 1 with water spray	Dirty ubrication oil:	2.5 m <sup>3</sup>		
		Clean lubrication oil:	2.5 m <sup>3</sup>		
		Foam:	12.2 m <sup>3</sup>		
		Urea:	3.0 m <sup>3</sup>		
		DIMENSIONS			
Length overall:	24.73 m	Generator set:	2x Caterpillar C4.4 TA, 81 kVA, 400 V, 50 Hz		
Breadth overall:	13.13 m	General service pumps:	2x Azcue CA 50/3A 20 m <sup>3</sup> /h at 2.35 bar		
Depth at sides:	4.95 m	Bilge water pump:	CA 32/0.5 3.6 m <sup>3</sup> /h at 1.1 bar		
Draught aft:	6.30 m	Fuel transfer pump:	Azcue CA40-1B 12 m <sup>3</sup> /h at 1.2 bar		
Displacement (98% consumables):	579 t	Fuel oil purifier:	2x CJC, PTU3 27/54 MZ-E2PWZ		
Gross tonnage:	330 gt	Cooling system:	Combination keel cooling and box cooling system		
PROPULSION SYSTEM		Fresh water pressure set:	Azcue MO-19/10		
Main engines:	2x Caterpillar 3516C TA HD / D	Hydraulic system:	Double main engine driven pumps		
Total power:	5050 kW (6772 bhp) at 1800 rpm	Fifi set:	Main engine driven pumps 1200 – 1400 m <sup>3</sup> /h with water spray		
Thruster:	Kongsberg Maritime US 255 FP/P30	Fifi monitor:	2x 1200 m <sup>3</sup> /h, water/foam		
Propeller diameter:	3000 mm	DECK LAY-OUT			
Forced ventilation:	67.000 m <sup>3</sup> /h	Anchors:	2x 360 kg Pool (High Holding Power)		
PERFORMANCES		Anchor winch:	2x Electrically driven		
Bollard pull:	80.5 t	Rendering-Recovery winch:	Hydraulically driven double drum, recovery capacity 30 ton up to 44 m/min on 2 <sup>nd</sup> layer, rendering capacity 112 ton up to 82 m/min on 2 <sup>nd</sup> layer, 200 ton brake holding force		
Speed:	13.0 kn	Fendering:	D-fender at sides, cylindrical fender at transom corners, cylindrical and W-block bow fender		
		COMMUNICATION			
		Searchlight:	2x Norselight SH470 2000 W		
		Radar system:	2x Furuno FAR-1518		
		Electronic chart system:	Navi-Sailor 4000 ECS		
		Compass:	Cassens & Plath Reflecta 11		
		Satellite compass/GPS:	Simrad GN70/HS80A		
		AIS:	Furuno FA-170		
		NAVTEX:	Furuno NX-700B		
		Echosounder:	Furuno FE-800		
		Autopilot:	Simrad AP-70		
		Speed log:	FURUNO DS-85		
		VHF hand-held:	2x Jotron TR-30		
		VHF:	2x Cobham Sailor 6222		
		EPIRB:	Jotron Tron-60S		
		Sart:	Jotron Tronsart 20		
		Remote monitoring:	Ready for Damen Triton		
		Anemometer:	Gill Instruments GMX 500		
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Particulars of this unit and inventory believed correct at time of printing but subject to change. Printed January 2024 replacing all previously printed particulars