Reversed Stern Drive Tug 2513 Electric



PICTURE OF SIMILAR VESSEL

GENERAL		AUXILIARY EQUIPMEN	т
Basic functions	Towing, mooring, Ø fire-fighting and Ø oil	Generator sets	2x Caterpillar C32TA, 1175 kVA, 690 V, 60 Hz
	pollution control	General service pumps	2x Azcue CA 50/3B, capacity approx. 20 m ³ /h at 2.35 bar
Classification	Bureau Veritas	Bilge water pump	Azcue CA 32/0.5, capacity approx. 3.6m ³ /h at 1.1 bar
	I & HULL ● MACH Escort Tug Coastal	Fuel pump	Azcue CA 40/1B, capacity approx. 12 m ³ /h at 1.2 bar
	Service AUT UMS INWATER SURVEY	Fuel oil purifier	CJC, PTU3 27/81 incl. 3x FA/BLA 27/27 filter elements
	COMF-NOISE 3, COMF-VIB 3, ELECTRIC	Cooling system	Combination keel cooling and box cooling system
	HYBRID (ZE), BATTERY SYSTEM	Fresh water pressure set	Azcue MO-19/10 + 100 ltr pressure vessel
	Ø Fire Fighting Ship 1	Hydraulic system	Double main engine driven pumps
	Ø Water spray	Ø Sewage treatment plant	Selmar, Blue Sea plus 2500
	Ø Lloyd's Register	Ø Oil pollution control	Dispersant pumpset with two spray booms
	100 A1 Escort Tug, Specified Coastal	Ø Fifi set	1x Generator engine driven pump 1200 - 1400 m ³ /h or 2x generator
	Service, [1] LMC UMS CAC 3 Electric		engine driven pump each 1200 - 1400 m3/h (FIFI1), Ø with water spray
	Hybrid DC	Ø Fifi monitor	1x 1200 -1400 m ³ /h, water/foam or
	Ø Fire Fighting Ship 1		2x each 1200 -1400 m ³ /h, water/foam (FIFI1)
	Ø Water spray		
	o water spray	DECK LAY-OUT	
Pointing	Epoxy paint system	Anchors	2x 360 kg Pool (High Holding Power)
Painting	Epoxy paint system	Anchor winch	Electric, minimal hauling speed 9 m/min
		Ø Second anchor winch	Electric, minimal hauling speed 9 m/min
DIMENSIONS	0.1.70	Towing winch	Hydraulically driven two speed double drum, low speed pull 27 ton up
ength overall	24.73 m	i o thing thinkin	30 m/min, high speed pull 27 ton up to 49 m/min, brake 200 ton
Beam overall	13.13 m	Ø Rendering-Recovery	Pull/low speed 30 ton up to 27 m/min on 2 nd layer, pull/high speed 30 t
Depth at sites	4.95 m	winch	up to 44 m/min on 2^{nd} layer, rendering 112 ton up to 82 m/min on 2^{nd}
Draught aft	6.50 m	WINCH	layer, brake 200 ton
Displacement	615 t	Ø Towing hook	SWL 100 ton
98% consumables)		Fendering	Cylindrical + block bow fender, D-fender side/aft
TANK CAPACITIES		-	
uel oil	46.7 m ³	ACCOMMODATION	
Fresh water	11.2 m ³	For 6 persons (MLC 2006 compliant), completely insulated and finished with durable modern linings	
Sewage	5.9 m ³	sound absorbing ceiling in the wheelhouse and floating floors. Air-conditioned wheelhouse,	
Dirty oil	1.9 m ³	accommodation, battery ro	om, switchboard room. Accommodation above main deck with a captain
Clean oil	1.9 m ³	cabin, chief engineer's cab	in, one double crew cabin, pantry, mess/dayroom and sanitary facilities.
Bilge water	5.9 m ³	The superstructure is mour	nted resiliently to reduce noise levels.
ð Foam	6.1 m ³		
ð Dispersant	3.7 m ³	NAUTICAL AND COMM	UNICATION EQUIPMENT
Irea	1.5 m ³	Searchlight	1x + Ø 1x Den Haan DHR300RCB, LED, 250 W
nca	1.0 111	Radar system	1x Furuno FAR-1518 + Ø 1x Furuno FAR-1518
		Compass	Cassens & Plath Reflecta 11
PERFORMANCES	70 /	Electronic Chart System	Navi-Sailor 4000 ECS
ollard pull ahead	70 t	Ø Gyro compass	Anschuetz Standard 22 Compact
ollard pull astern	65 t	Autopilot	Simrad AP-70
peed	12 kn	Satellite compass/GPS	Simrad GN70/HS80A
Specified preformances in full electric mode (battery powered)		Echosounder	Skipper EMES60
		Speed log	Furuno DS-80
ROPULSION SYSTEM		VHF	2x Cobham Sailor 6222, one with DSC + Ø 1x Cobham Sailor 6215
	2x Ramme TW 1400r L	VHF hand-held	Jotron TR-30
lain engines (electric) otal power		Navtex	Furuno NX-700B
	3700 bkW at 500 rpm	AIS	Furuno FA-170
zimuth thrusters	Kongsberg Maritime US 255 P30 FP	Ø SSB	Furuno FS-1575
attery capacity	2782 2000 mm	Ø SSB Ø LRIT	Furuno FS-1575 Furuno Felcom 19
ropeller diameter	3000 mm		
orced ventilation	38.000 m ³ /h	Inmarsat + Ø spare	Furuno Felcom 18
Exhaust emission	IMO Tier III certified	ØECDIS	Furuno FMD-3200
		EPIRB	Jotron Tron-60S
		Sart	Jotron Tronsart 20
		Remote monitoring	Ready for Damen Triton



Ø = Optional equipment

Reversed Stern Drive Tug 2513 Electric STANDARD



WIN FIN





