



# DAMEN ASD TUG® 3212 VTS AMMOCHOSTOS

**VASILIKO**  
TERMINAL SERVICES

## GENERAL

YARD NUMBER	512503
DELIVERY DATE	February 2014
BASIC FUNCTIONS	Push-pull, escorting, towing, firefighting
CLASSIFICATION	Lloyd's Register X 100 A1 Escort Tug [X] LMC UMS EP Fire Fighting Ship 1 (2400 m3/hr) incl. tonnage and loadline certificate GMDSS cert. A1
FLAG	Republic of Cyprus
OWNER	V.T.S. Vasiliko Tugboat Services Ltd

## DIMENSIONS

LENGTH O.A.	32.70 m
BEAM O.A.	12.82 m
DEPTH AT SIDES	5.35 m
DRAUGHT AFT	5.36 m
DISPLACEMENT (98% CONSUMABLES)	755 ton

## TANK CAPACITIES

FUEL OIL	135.9 m <sup>3</sup>
FRESH WATER	15.2 m <sup>3</sup>
FOAM	12.5 m <sup>3</sup>
BILGE WATER	6.7 m <sup>3</sup>
SEWAGE	5.1 m <sup>3</sup>
SLUDGE	2.5 m <sup>3</sup>
DIRTY OIL	4.2 m <sup>3</sup>
LUB. OIL	8.1 m <sup>3</sup>
HYDR. OIL	2.8 m <sup>3</sup>

## PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	79.3 ton
BOLLARD PULL ASTERN	76.1 ton
SPEED AHEAD	14.5 knots
SPEED ASTERN	14.2 knots

## PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3516C HD+ TA/D
TOTAL POWER	5050 bkW (6772 bhp) at 1800 rpm
THRUSTERS	2x Rolls Royce US255CP
PROPELLER	2800 mm
FORCED VENTILATION	40,000 m <sup>3</sup> /hr

## AUXILIARY EQUIPMENT

GENERATOR SETS	2x Caterpillar C6.6 TA, 230/400 V, 125 kVA, 50 Hz
BILGE PUMPS	2x Sterling AKHA 6101 each 34 m <sup>3</sup> /hr
FUEL PUMPS	Sterling AKHA 5101 and AOHA 3101
COOLING SYSTEM	Box cooling
FRESHWATER PRESSURE SET	Sterling HBK 111 / AOHA 3101
HYDRAULIC SYSTEM	Main engine driven pumps
FIFI SET	Main engine driven pumps, 2x 1200 m <sup>3</sup> /hr
FIFI MONITOR	2x 1200 m <sup>3</sup> /hr, water/foam

## DECK LAY-OUT

ANCHOR	2x 495 kg Pool (High Holding Power)
ANCHOR/RENDERING	Hydraulically driven double drum winch
RECOVERY WINCH	Rendering 100 ton at 100 m/min at third layer Recovery 60 ton at 50 m/min Normal mode pull 60 ton at 20 m/min 200 ton brake
CAPSTAN	5 ton at 15 m/min. Electrically driven
CRANE	Heila HLM 20-3S, 1.7 ton at 10.56 m
TOWING HOOK AFT	Mampaey SWL 100 ton
FENDERING	D-fender at sides, cylinder fender at transom corners, double cylindrical bow fenders 1000 mm. diam. with water spray

## ACCOMMODATION

For 10 persons, insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store and sanitary facilities.

## NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCHLIGHTS	2x 450 W Xenon (FIFI 1)
RADAR SYSTEM	JRC JMA-5212-4BB, with 19" LCD screen
COMPASS	Magnetic Kotter
AUTOPILOT	Simrad AP 50
GPS	Furuno GP-150
ECHOSOUNDER	Furuno LS-6100
VHF/DSC	2x Sailor Compact 6222
VHF HAND-HELD	2x Jotron TR-20
AIS	Furuno FA-150
NAVTEX	Furuno NX-700
EPIRB	Jotron Tron-40S
SART	Jotron Tronsart20

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