



DAMEN ASD TUG® 3212

VTS KERYNEIA

VASILIKO
TERMINAL SERVICES

GENERAL

YARD NUMBER	512504
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 m ³ /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	755 ton
(98% CONSUMABLES)	

TANK CAPACITIES

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

PERFORMANCES

BOLLARD PULL AHEAD	78.4 ton
BOLLARD PULL ASTERN	76.1 ton
SPEED AHEAD	14.5 knots
SPEED ASTERN	13.7 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3516C HD TA/D
TOTAL POWER	5050 kW (6772 bhp) at 1800 rpm
THRUSTERS	2x Rolls Royce US255CP
PROPELLER	2800 mm
FORCED VENTILATION	40.000 m ³ /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 ³ /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 ³ /hr
FIFI MONITOR	2x 1200 m ³ /hr, water/foam

ANCHOR	2x 495 kg Pool (High Holding Power)
ANCHOR/RENDERING RECOVERY WINCH	Hydraulically driven double drum 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 at third layer Brake 200 ton at first layer
CAPSTAN	5 ton at 15 m/min. Electrically driven
CRANE	Heila HLM 20-3S
TOWING HOOK AFT	Mampaey SWL 100 ton
FENDERING	D-fender at sides, cylinder fender at transom corners, double cylindrical bow fenders, 1000mm. 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
SPEEDLOG	Furuno DS-80
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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