



DAMEN ASD TUG® 2509 "MOSCHNYI"

GENERAL

YARD NUMBER	510812
DELIVERY DATE	March 2006
BASIC FUNCTIONS	Towing, mooring and fire fighting
CLASSIFICATION	✳ 100 A1 Tug Specified Coastal or Route Service ICE Class 1A FS UMS LMC (without cross) with the descriptive note: strengthened for Ice Class 1AS FS
FLAG	Russia
OWNER	Baltic Tugs Limited

DIMENSIONS

LENGTH O.A.	25.86 m
BEAM O.A.	8.94 m
DEPTH AT SIDES	4.30 m
DRAUGHT AFT	4.30 m
DISPLACEMENT	420 ton

TANK CAPACITIES

FUEL OIL	72.1 m ³
FRESH WATER	12.1 m ³
FOAM	6.7 m ³
SEWAGE	1.6 m ³
LUBRICATION OIL	1.6 m ³
DIRTY OIL	1.6 m ³
SLUDGE	1.6 m ³
BILGE WATER	5.5 m ³

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	36.7 ton(m)
BOLLARD PULL ASTERN	35.0 ton(m)
SPEED AHEAD	12.7 knots
SPEED ASTERN	12.2 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3512B HD TA/B
TOTAL POWER	2610 bkW (3500 bhp) at 1600 rpm
AZIMUTH THRUSTERS	Rolls Royce US 205
PROPELLER DIAMETER	2000 mm
FORCED VENTILATION	40.000 m ³ /hr

AUXILIARY EQUIPMENT

MAIN GENERATOR SETS	2x Cat 3056 T, 230/400V, 105 kVA, 50 Hz
BILGE PUMPS	2x Sterling SIHI AKHK 5101 20 m ³ /hr
FUEL PUMPS	2x Sterling SIHI AOHA 3101 4.5 m ³ /hr
COOLING SYSTEM	Fresh water through cooling channels
HYDRAULIC SYSTEM	Double main engine driven pumps
FIFI SET	1x Cat 3306B TA, pump 600 m ³ /hr, 10 bar
FIFI MONITORS	Sopot Purga 83, 2x 300m ³ /hr, water/foam

DECK LAY-OUT

ANCHOR	2x 225 kg Pool (High Holding Power)
ANCHOR/TOWING WINCH	Ridderinkhof 10 ton pull at 10 m/min, or 5 ton pull at 22 m/min. Hydraulically driven
TOWING HOOK	Mampaey 450 kN/45.8 tonf
CAPSTAN	Ridderinkhof 3 ton pull at 15 m/min.
HYDRAULIC CRANE	Palfinger PK 10000 M, 1.57 T at 6.2 m

ACCOMMODATION

Accommodation for 8 persons, completely insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse and Bolidit floating floors. Air-conditioned and heated wheelhouse. Heated accommodation, with a Captain's cabin, a Chief engineer's cabin and three double crew cabins, galley, mess/dayroom and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

RADAR SYSTEM	Furuno FR-1505 mk III
COMPASS	Magnetic Kottor Cassens & Plath and Electric Fluxgate IT Holland, 11-B
GPS	Furuno GP-90
ECHOSOUNDER	Furuno LS 6100
VHF/DSC	Sailor RT4822 with DSC
VHF HANDHELD	2x GMDSS approved
NAVTEX	Furuno NX-700
AIS	Furuno FA-100

DAMEN

