



DAMEN ASD TUG® 2810 "SD ROVER"

GENERAL

YARD NUMBERS	511583
BASIC FUNCTIONS	Towing, mooring and fire-fighting operations
CLASSIFICATION	Lloyd's Register ⊗ 100 A1 Tug [⊗] LMC UMS Incl. tonnage and loadline certificate GMDSS cert. A1 Malta Elisabeth Limited (Operator: Kotug)
FLAG	Malta
OWNER	Elisabeth Limited (Operator: Kotug)

DIMENSIONS

LENGTH O.A.	28.67 m
BEAM O.A.	10.43 m
DEPTH AT SIDES	4.60 m
DRAUGHT AFT	4.64 m
DISPLACEMENT (98% CONSUMABLES)	502 ton

TANK CAPACITIES

FUEL OIL	72.7 m ³
FRESH WATER	14.9 m ³
LUBRICATION OIL	9.0 m ³
DIRTY OIL	3.1 m ³
HYDRAULIC OIL	0.36 m ³
SEWAGE	2.2 m ³
SLUDGE	3.1 m ³
BILGEWATER	5.1 m ³

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	61.0 ton(m)
BOLLARD PULL ASTERN	57.5 ton(m)
SPEED AHEAD	13.7 knots
SPEED ASTERN	13.6 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3516C TA HD / C
TOTAL POWER	3730 bkW (5000 bhp) at 1600 rpm
AZIMUTH THRUSTERS	2x Rolls Royce US 205
PROPELLER DIAMETER	2400 mm
FORCED VENTILATION	55.000 m ³ /hr

AUXILIARY EQUIPMENT

GENERATOR SETS	2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
BILGE PUMPS	2x Sterling AKHA 5101 each 20 m ³ /hr
FUEL PUMPS	Sterling AKHA 4101 and AOHA 3101
COOLING SYSTEM	Box cooling + anti growth system
PRESSURE SET	Freshwater Sterling AOHA 1202
HYDRAULIC SYSTEM	Double main engine driven pumps
SEWAGE TREATMENT PLANT	Hamann Supermini plus

DECK LAY-OUT

ANCHORS	2x 360 kg Pool (High Holding Power)
ANCHOR/TOWING WINCH	Hydraulically driven two speed winch with split drum and warping head, pull 35 ton at 9.2 m/min and slack rope at 28 m/min, 150 ton brake 5 ton at 15 m/min. Electrically driven
CAPSTAN	Mampaey 65 ton
TOWING HOOK AFT	D-fender at sides, cylinder fender at transom corners, cylinder and W-block bow fender with water spray
FENDERING	

ACCOMMODATION

For 8 persons, insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse, floating floors, air-conditioned and heated. With 4 cabins, galley, mess/dayroom, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCHLIGHT	2x Pesch 1000 W, 230 V
RADAR SYSTEM	JRC JMA-5212-4BB
HORN	Ibuki E150
COMPASS/AUTOPILOT	Magnetic Kotter / Simrad AP-50
SATELLITE COMPASS	Furuno SC-50
GPS	Furuno GP-150
ECHOSOUNDER	Furuno FE-700
VHF RADIO TELEPHONE	2x Sailor 6222 (one with DSC)
VHF HAND-HELD	2x VHF hand-held transceivers
NAVTEX	Furuno NX-700
AIS	Furuno FA-150
EPIRB	Jotron, TRON-40S
SART	Jotron, Tron Sart