



DAMEN STAN TUG[®] 2208 "HAKI"

GENERAL

YARD NUMBER	509603
DELIVERY DATE	June 2006
BASIC FUNCTIONS	Harbour and coastal towing
CLASSIFICATION	Lloyd's Register #100 A1 Tug Unrestricted Service LMC (without cross) UMS
FLAG	Iceland
OWNER	Associated Icelandic Ports Ltd – Faxaports

DIMENSIONS

LENGTH O.A.	22.62 m
BEAM O.A.	8.44 m
DEPTH AT SIDES	3.74 m
DRAUGHT AFT	3.69 m
DISPLACEMENT	285 ton

TANK CAPACITIES

FUEL OIL	39.1 m ³
FRESH WATER	8.6 m ³
SEWAGE	2.0 m ³
SLUDGE	1.0 m ³
LUBRICATION OIL	2.2 m ³
DIRTY OIL	1.5 m ³
BILGE WATER	1.6 m ³
WATER BALLAST	13.3 m ³

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	39.5 ton
SPEED	12.1 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3512B TA/B
TOTAL POWER	2028 bkW (2720 bhp) at 1600 rpm
GEARBOXES	2x Reintjes WAF 664L / 5.95 : 1
PROPULSION	2x Kaplan II Promarin fixed pitch propellers
NOZZLES	2x 2200 mm Van de Giessen 'Optima'
STEERING GEAR	Powered hydraulic 2x 45°, tiller, rudder indicator
BOW THRUSTER	90 kW (120 hp) hydraulic

AUXILIARY EQUIPMENT

GENERATOR SETS	2x Cat 3304 NA, 230/400 V, 63 kVA, 50 Hz
BILGE PUMPS	2x Sterling SIHI AKHK 5101 each 20 m ³ /hr
FUEL OIL PUMPS	2x Sterling SIHI AOHA 3101 each 4.5 m ³ /hr
COOLING SYSTEM	Closed cooling system
SEWAGE PUMP	Libellula 6.6 m ³ /hr
FIRE FIGHTING ENGINE/PUMP	Caterpillar 3304B T/Sterling capacity 300 m ³ /hr
FI-FI MONITORS	2x 150 m ³ /hr

DECK LAY-OUT

ANCHORS	2x 225 kg Pool (High Holding Power)
CHAIN	247.5 m, Ø 16 mm U2
ANCHOR WINCH	DMT, 10 m/min, incl. warping head
TOWING WINCH AFT	DMT, hydraulically driven, 10 ton pull at 10 m/min, 300 meter steel wire
TOWING HOOK	SWL 45 ton
DECK CRANE	Heila HLM 20-2S, 1.7 ton at 8.50 mtr
FENDERING	Block fender type pushbow, D-fender all around

ACCOMMODATION

Accommodation for 4 persons, completely insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse and Bolidit floating floors. Heated accommodation, with 2 cabins for 2 persons, galley, mess/dayroom and sanitary.

NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCHLIGHT	2x Pesch 1000 W
RADAR	Navnet - MaxSea
COMPASS	Magnetic, Cassens & Plath, Kotter type
SATELLITE COMPASS	Furuno SC-50
AUTOPILOT	Robertson AP-50
GPS	Furuno GP-90
ECHOSOUNDER	Navnet
VHF	Sailor RT 4822, 25 Watt + DSC
HANDHELD VHF	2x, GMDSS approved
AIS	Furuno FA-100
SSB	Furuno FS-1570
NAVTEX	Furuno NX-700

DAMEN