



DAMEN MULTI CAT[®] 2613

"Orcadia II" YN571683

GENERAL

YARD NUMBER	571683 (Damen Shipyards Hardinxveld)
DELIVERY DATE	30 th April 2015
BASIC FUNCTIONS	Anchor handling, dredge support/service, towing, mooring, pushing, hose handling and survey
CLASSIFICATION	Bureau Veritas 1 ✕ HULL • MACH Tug unrestricted nav. • AUT UMS
REGULATIONS	Maritime and Coastguard Agency Workboat Class 1
FLAG	United Kingdom
OWNER	Scotmarine Ltd.

DIMENSIONS

LENGTH O.A.	26.37	m
BEAM O.A.	13.59	m
DEPTH AT SIDES	4.00	m
DRAUGHT AFT	3.71	m (max.)
DISPLACEMENT	657	ton
BRITISH TONNAGE	199.8	BT
GROSS TONNAGE	299	GT

TANK CAPACITIES

FUEL OIL	120.0	m ³
FRESH WATER	51.1	m ³
LUBRICATION OIL	3.0	m ³
HYDRAULIC OIL	4.7	m ³
DIRTY OIL	3.6	m ³
BILGEWATER	4.7	m ³
SEWAGE	7.3	m ³

PERFORMANCES

BOLLARD PULL AHEAD	50.5 ton maximum
BOLLARD PULL AHEAD	50.4 ton average
SPEED	10.6 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3512B TA
TOTAL POWER	2610 bkW (3500HP) at 1600 rpm
GEARBOXES	2x Reintjes WAF 773 / 7.087:1
PROPELLERS	2x Ø 2400 mm Promarin fixed pitch
CONTROLS/STEERING	Straathof/WK Hydraulics
NOZZLES	2x Damen Marine Components "Optima"
BOW THRUSTER	1 x 184kW (250HP), hydraulically driven

AUXILIARY EQUIPMENT

MAIN GENERATOR SETS	2x Caterpillar C04.4
CAPACITY	2x 107 kVA, 50 Hz, 230/400V
HYDRAULIC SET	1x Caterpillar C18TA-B 357kW (480HP)
TRANSFER PUMPS	1x SIHI VWSI, 50 m ³ /h for fuel oil 1x SIHI VWSI, 50 m ³ /h for fresh water Westfalia OTC-2, capacity 1150L/Hr
FUEL OIL SEPARATOR	
DECK LAY-OUT	
ANCHOR/ WINCH	1 x 360 kg Pool TW (HHP) + 1 spare Kraaijeveld KAB-1-H-19D, hydraulic driven
DECK CRANE	2 x HS Marine AKC290 HE3 11,3 ton(m) @ 16.5m / 41,6T @ 5.0m Kraaijeveld KAW-30-H-TR/TR, double drum in waterfall execution
ANCHOR HANDLING / TOWING WINCH	100T pull 1 st layer @ 5,9m/min, wire capacity 600m Ø 48 mm, 9 layers, 150 ton brake holding (1 st layer)
CAPACITIES ANCHOR HANDLING DRUM	60T pull 1 st layer @ 9,7m/min, wire capacity 750m Ø 44 mm, 10 layers, 150 ton brake holding (1 st layer)
CAPACITIES TOWING DRUM	WK Hydraulics, SWL 50T WK hydraulics, SWL 75T, chain dim. 38-64mm 1 x Dromec HPV12000, pull 12 ton @ 5m/min, slack 20m/min Wire capacity 100m, Ø 24mm, @5Layers
TRIPLE TOWING PINS FORE	1x 5,94m width, Ø 1000mm, SWL 150T
CHAIN STOPPER	1x 2,19m width, Ø 700mm, SWL 125T
TUGGER WINCHES	
BOW ROLLER	
STERN ROLLER	

ACCOMMODATION

Heated and air-conditioned living spaces for 8 persons, consisting of four double crew cabins, a galley/mess and sanitary facilities. The Galley/Mess will be fitted with a TV and DVD player.

NAUTICAL AND COMMUNICATION EQUIPMENT (GMDSS A3)

SEARCH LIGHTS	2x Pesch 2000 W
RADAR SYSTEM	1x Furuno, FAR 2117
COMPASS	1x Cassens & Plat, Reflecta 1
GPS COMPASS	1x Furuno SC-50
AUTOPILOT	1x Simrad AP-70
GPS	1x Furuno, GP-150 D
ECHOSOUNDER	1x Furuno, FE-700
SPEEDLOG	1x Furuno, DS-80
AIS	1x Furuno, FA-150
INTERCOM	1x Sigma-700
VHF	2x Sailor, RT6222, with DSC
HANDHELD VHF	2x TR-20
SSB	1x Furuno, FS-1570
INMARSAT - C	2x TT-3000E
NAVTEX	1x Furuno, NX-700
WATCH ALARM	1x Marble, 421
PC WITH CHART	1x PC with electronic chart system
WINDINDICATOR	1x Obsermet OMC-115

