

# DAMEN MULTI CAT<sup>®</sup> 2613

## "Orcadia II" YN571683

### GENERAL

YARD NUMBER	571683 (Damen Shipyards Hardinxveld)
DELIVERY DATE	30 <sup>th</sup> 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 <sup>3</sup>
FRESH WATER	51.1	m <sup>3</sup>
LUBRICATION OIL	3.0	m <sup>3</sup>
HYDRAULIC OIL	4.7	m <sup>3</sup>
DIRTY OIL	3.6	m <sup>3</sup>
BILGEWATER	4.7	m <sup>3</sup>
SEWAGE	7.3	m <sup>3</sup>

### 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

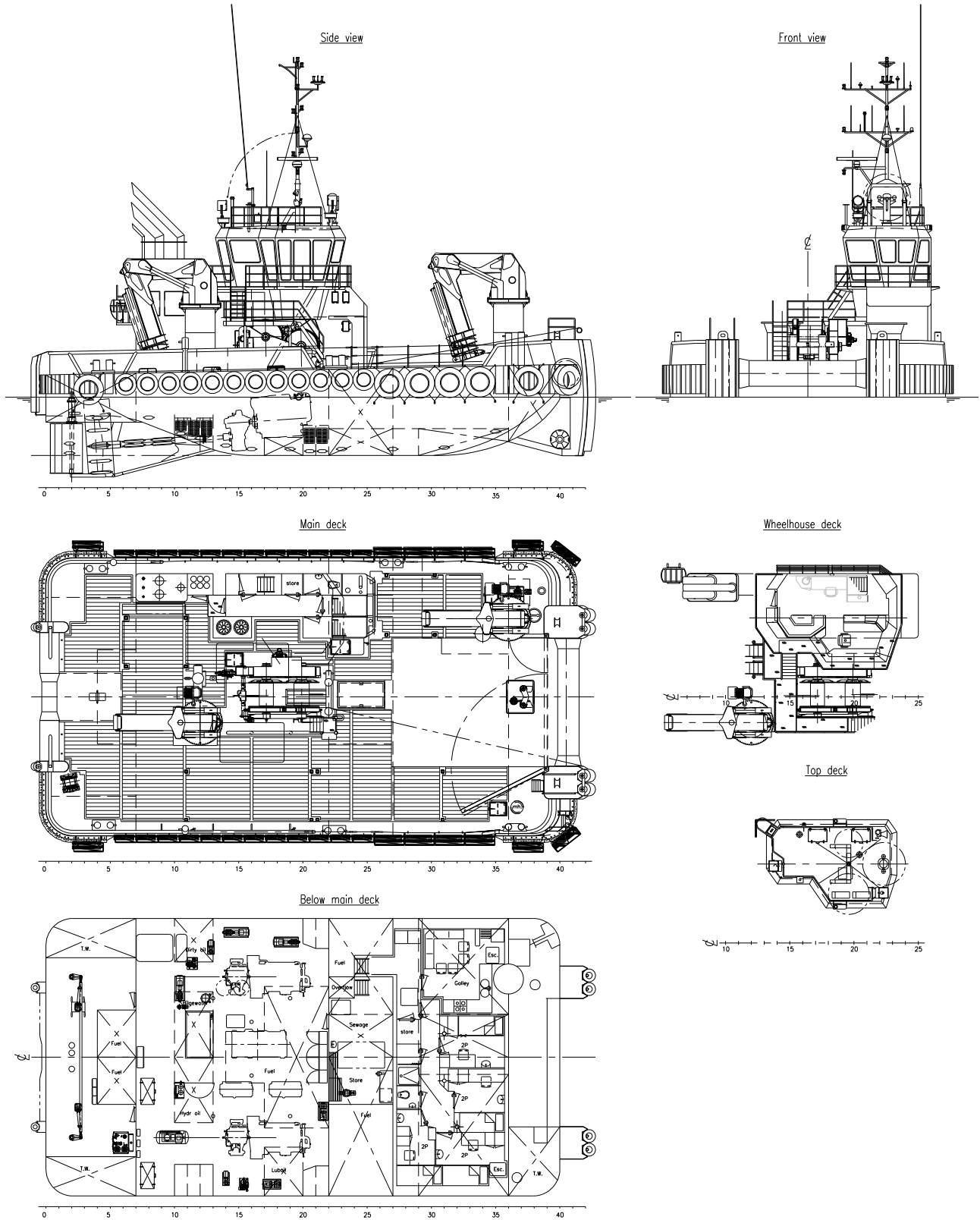
MAIN GENERATOR SETS	2x Caterpillar C04.4
CAPACITY	2x 107 kVA, 50 Hz, 230/400V
HYDRAULIC SET	1x Caterpillar C18TA-B 357kW (480HP)
TRANSFER PUMPS	1x SIHI VWSI, 50 m <sup>3</sup> /h for fuel oil 1x SIHI VWSI, 50 m <sup>3</sup> /h for fresh water Westfalia OTC-2, capacity 1150L/Hr
FUEL OIL SEPARATOR	
<b>DECK LAY-OUT</b>	
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 <sup>st</sup> layer @ 5,9m/min, wire capacity 600m Ø 48 mm, 9 layers, 150 ton brake holding (1 <sup>st</sup> layer)
CAPACITIES ANCHOR HANDLING DRUM	60T pull 1 <sup>st</sup> layer @ 9,7m/min, wire capacity 750m Ø 44 mm, 10 layers, 150 ton brake holding (1 <sup>st</sup> 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



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**DAMEN**

DAMEN SHIPYARDS HARDINXVELD

Member of the DAMEN SHIPYARDS GROUP



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