



DAMEN SHOALBUSTER® 3209

"MTS VANGUARD"

GENERAL

YARD NUMBER	571707 (Damen Shipyards Hardinxveld)
DELIVERY DATE	May 2014
BASIC FUNCTIONS	Towing, mooring, pushing, anchor handling, dredging support
CLASSIFICATION	Bureau Veritas I ✕ Hull • Mach Tug Unrestricted Navigation AUT-UMS
REGULATIONS	Saint Vincent, unrestricted service
FLAG	Saint Vincent
OWNER	Marine & Towage Services Group Ltd

DIMENSIONS

LENGTH O.A.	32.27 m
BEAM O.A.	9.35 m
DEPTH AT SIDES	4.40 m
DRAUGHT AFT	3.30 m
DISPLACEMENT	625 t

TANK CAPACITIES

FUEL OIL	220.00 m ³
FRESH WATER	40.80 m ³
LUBRICATION OIL	7.30 m ³
HYDRAULIC OIL	3.10 m ³
DIRTY OIL	4.30 m ³
BILGE WATER	4.30 m ³
SEWAGE	3.30 m ³

PERFORMANCES (TRIALS)

BOLLARD PULL MAX	50.5 tons (m)
SPEED MAX.	11.5 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar Type 3512C TB/HD
TOTAL POWER	2610 bkW (3500 bhp) @ 1600 rpm
GEARBOXES	2x Reintjes WAF 773/6.44:1
PROPULSION	2x Promarin fixed pitch propellers
DIAMETER	2x 2250 mm V.d. Giessen optima nozzles
BOWTHRUSTER	257 kW (350 bhp) 1965rpm, hydraulically driven

AUXILIARY EQUIPMENT

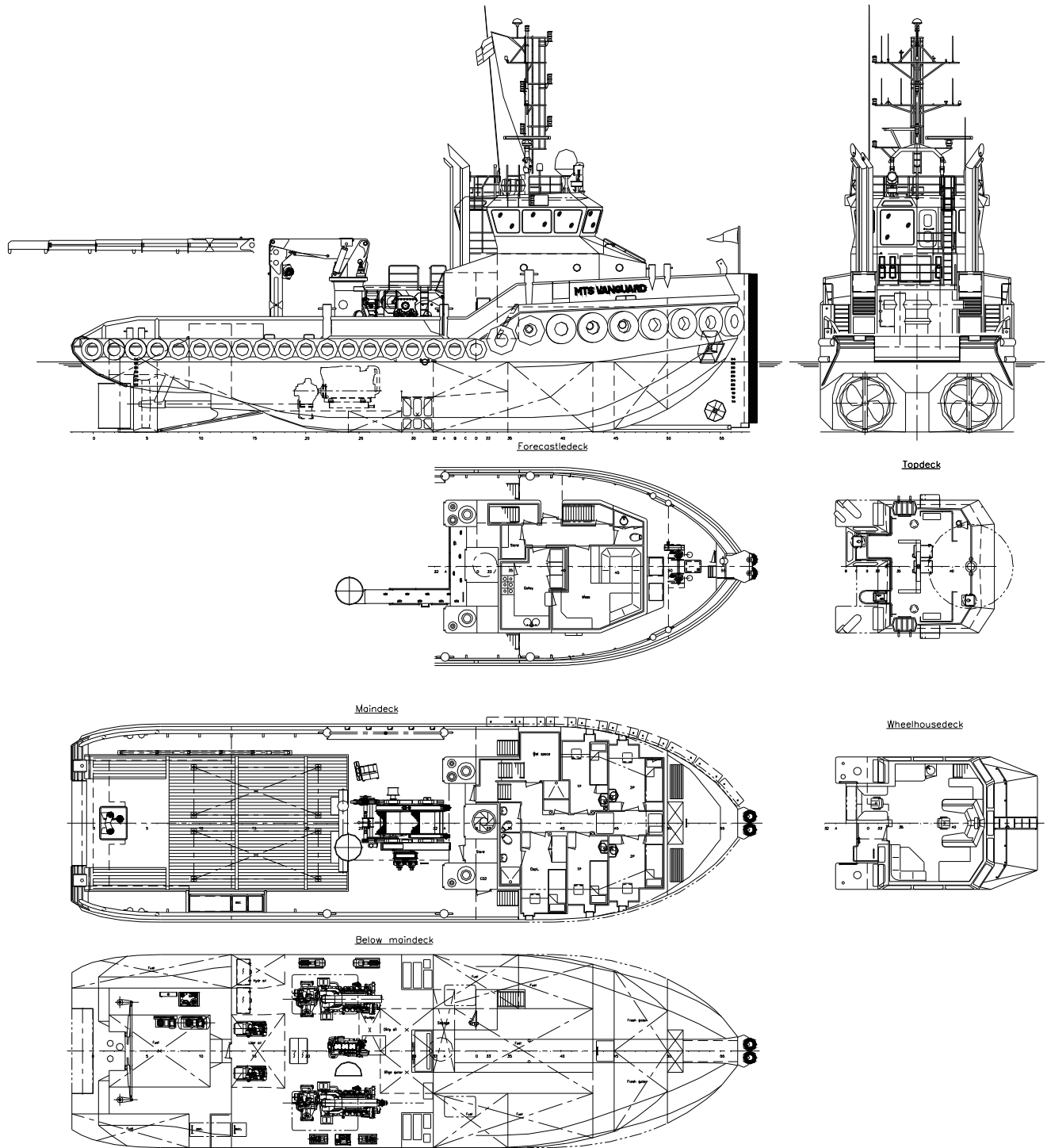
MAIN GENERATOR SETS	2x Caterpillar C4.4 TA
CAPACITY	2x 107.5 kVA, 50 Hz, 230/400V AC
HYDRAULIC	1x Caterpillar C18 TA-B
CAPACITY	357 kW @ 1800 rpm
TRANSFER PUMPS	For Fresh Water: VWSI 8020, 50 m ³ /h @ 4.8 bar For Fuel Oil: VWSI 8020, 50 m ³ /h @ 4.8 bar Westfalia, OCT 2
FUEL OIL SEPARATOR	

DECK LAY-OUT

ANCHOR	2x 360 kg Pool (HHP)
CHAIN	19 mm stud-link anchor chain 220 m
ANCHOR WINCH	DMT, AW200-H19K2, 15.3 (m) at 10m/min Heila HLRM 170-4SL, 18.2 ton (m) @ 8.3m, 7.9 ton(m) @ 15.93 m + 5 ton winch, wire cap 50m, ø 18mm
DECK CRANE	DMT, WATW-H1000KN 50t (m) at 12m/min / 18t (m) at 24.2m/min Wire cap 850 m, ø 44mm Holding force: 150 t (m) 100t (m) at 5.9m/min / 37t (m) at 12m/min Wire cap 750m, ø 44mm Holding force: 150 t (m) Dromec HPV-12000, 12 ton (m) @ 5-20 m/min
TOWING WINCH	
CAPACITY TOWING PART	
CAPACITY ANCH. H. PART	
TUGGERWINCH	
TOWINGS PINS	WK- Hydraulics SWL 50 Ton
CHAIN STOPPER	WK- Hydraulics SWL 75 Ton

NAUTICAL AND COMMUNICATION EQUIPMENT GMDSS A3

SEARCHLIGHTS	2x Pesch 2000W
MAGNETIC COMPASS	1x Cassens & Plat, Reflecta 1
GYRO COMPASS	1x Anschuetz 22
WATCH ALARM	1x Marble 421
RADAR	1x Furuno, FAR-2117
GPS	1x Furuno, GP-150D
AIS	1x Furuno, FA-150
AUTOPILOT	1x Radio Zeeland, Seapilot 75
ECHOSOUNDER	1x Furuno, FE-700
SPEEDLOG	1x Furuno, DS-80
VHF RADIO TELEPHONE	2x Sailor, RT6222 2x DSC, 1x Thrane & Thrane RT 6210
HANDHELD VHF	2x Jotron, TR20
NAVTEX	1x Furuno, NX-700
SSB	1x Furuno, FS-1570
INMARSAT-C	2x Sailor 6110
INTERCOM	1x Sigma 700
ENTERTAINMENT	1x Seatel, Coastal 24
FLEET BROADBAND	1x Thrane & Thrane, FB150



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Member of the DAMEN SHIPYARDS GROUP



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