



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)

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

PROPULSION SYSTEM

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|--------------|--|
| 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

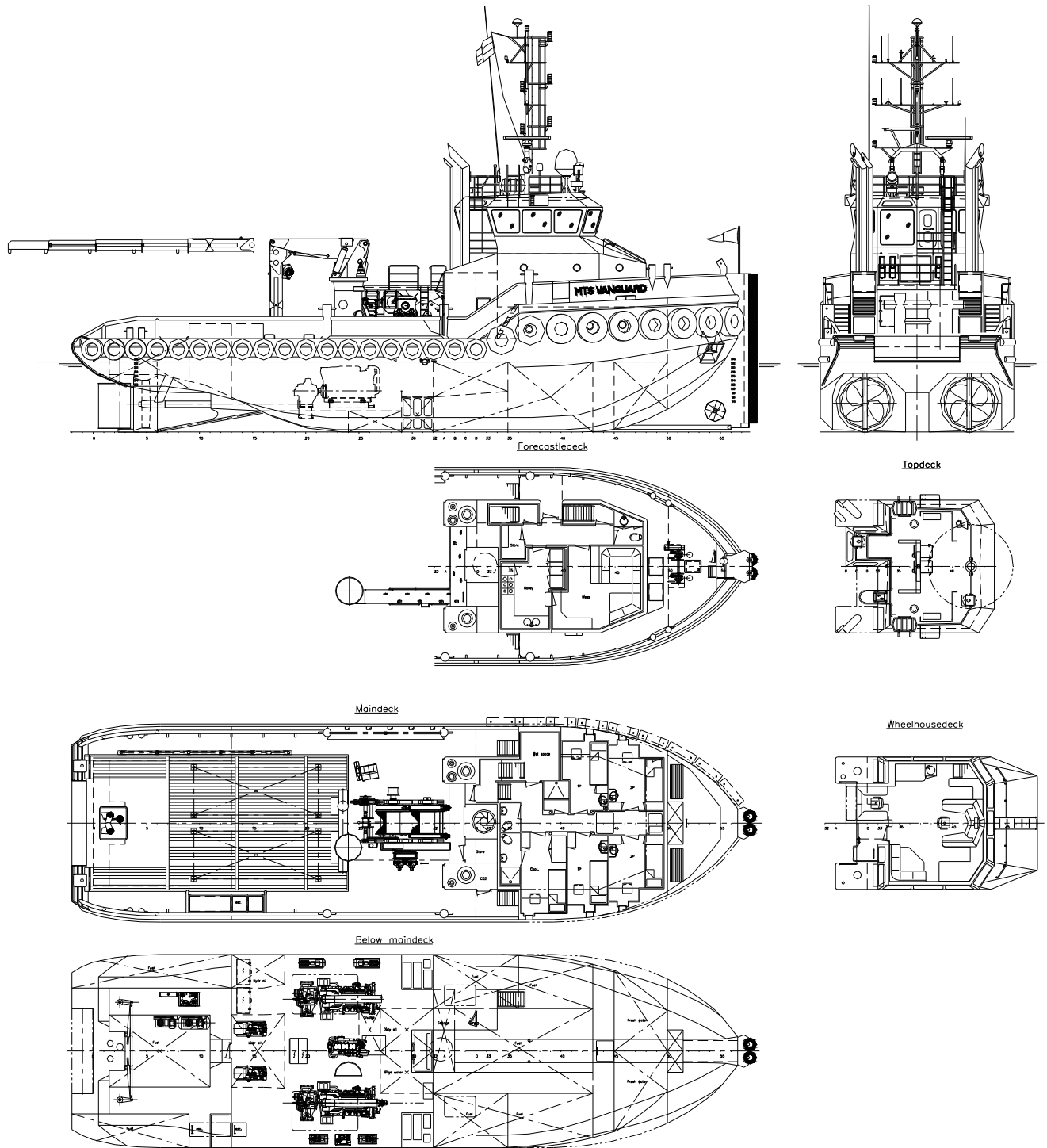
| | |
|---------------------|---|
| MAIN GENERATOR SETS | 2x Caterpillar C4.4 TA |
| CAPACITY | 2x 107.5 kVA, 50 Hz, 230/400V AC |
| HYDRAULIC | 1x Caterpillar C18 TA-B |
| CAPACITY | 357 kW @ 1800 rpm |
| TRANSFER PUMPS | For Fresh Water: VWSI 8020, 50 m ³ /h @ 4.8 bar For Fuel Oil: VWSI 8020, 50 m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

DECK LAY-OUT

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|------------------------|---|
| 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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