



DAMEN PUSHBUSTER® 3511

"DMS BLACKBIRD"

GENERAL

YARD NUMBER	1599 (Damen Shipyards Hardinxveld)
DELIVERY DATE	October 2008
BASIC FUNCTIONS	Towing, mooring, pushing, anchor handling, dredging support
CLASSIFICATION	Bureau Veritas I 3/3 (E) * Tug Unrestricted Navigation * MACH AUT-UMS
REGULATIONS	Dutch Shipping Inspectorate (IWW)
FLAG	Netherlands
OWNER	Damen Marine Services

DIMENSIONS

LENGTH O.A.	35.25 m
BEAM O.A.	11.60 m
DEPTH AT SIDES	5.25 m
DRAUGHT AFT	4.22 m
DISPLACEMENT	956 tons

TANK CAPACITIES

FUEL OIL	380.00 m ³
FRESH WATER	42.00 m ³
LUBRICATION OIL	6.50 m ³
GEAR OIL	4.30 m ³
HYDRAULIC OIL	6.50 m ³
DIRTY OIL	5.60 m ³
SLUDGE	4.60 m ³
SEWAGE	25.40 m ³

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	61.0 tons (m)
SPEED APPROX.	11.65 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar Type 3516B TA
TOTAL POWER	3650 bkW (4895 bhp) @ 1600 rpm
GEARBOXES	2x Reintjes WAF 873 /7.455:1
PROPULSION	2x Promarin fixed pitch propellers
DIAMETER	2x 2700mm V.d. Giessen optima nozzles

AUXILIARY EQUIPMENT

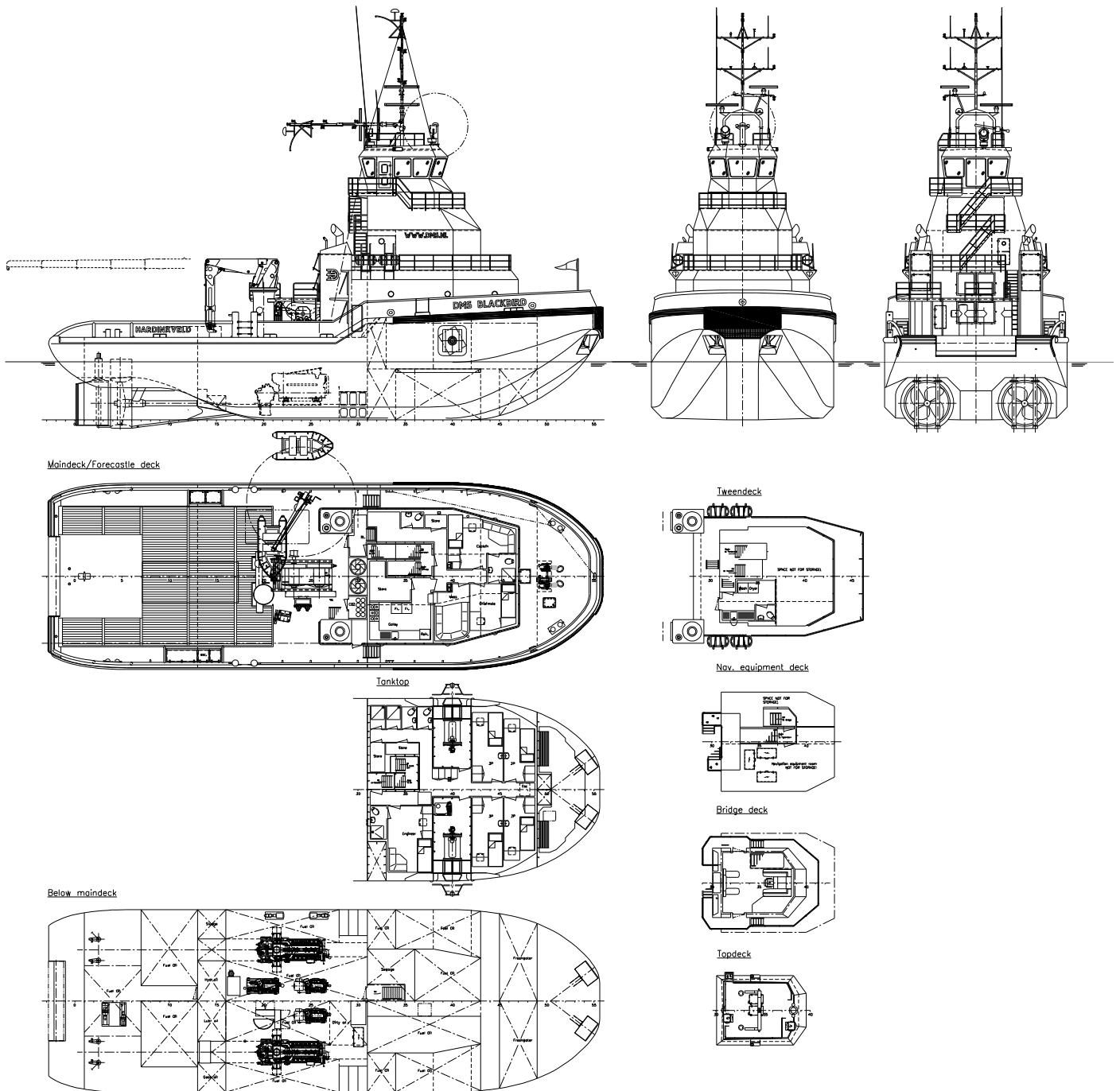
MAIN GENERATOR SETS	2x Caterpillar C9 TA
CAPACITY	2x 150 kVA, 50 Hz, 230/400V
HYDRAULIC	1x Caterpillar C9 TA
CAPACITY	189 kW @ 1800 rpm
TRANSFER PUMPS	For Fuel Oil: VWSI 8020, 50 m ³ /h @ 4.8 bar
FUEL OIL SEPARATOR	Alfa Laval MAB 104

DECK LAY-OUT

ANCHOR	2x 450 kg Pool (HHP)
CHAIN	22 mm stud-link anchor chain 275 m
ANCHOR WINCH	Ridderinkhof hydraulically driven
DECK CRANE	Heila HLRM 170-4SL, 7.9 ton(m) @ 15.95 m
ANCHOR HANDLING/TOWING WINCH	Ridderinkhof 50 tons (m) @ 10 m/min (pull), 100 tons (m) @ 5 m/min (anchor)
TUGGERWINCH	75/150 tons (m) holding power 8 ton (m) @ 4.5 m/min

NAUTICAL AND COMMUNICATION EQUIPMENT

ACCORDING TO GMDSS AREA 3	
SEARCHLIGHTS	2x Pesch 1000W
MAGNETIC COMPASS	1x Magnetic
GYRO COMPASS	1x Anschuetz 22 compact
WATCH ALARM	1x Marble 421
RADAR	2x Furuno FAR-2117
GPS	1x Furuno GP-150
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 RT5022 25 Watts
HANDHELD VHF	2x Jotron TR20
NAVTEX	1x Furuno NX-700
SSB	1x Furuno FS-1570
INMARSAT-C	2x Felcom 15
INTERCOM	RZ Delta 700
GSM	1x Sagem, Telsat
SHIP SECURITY ALERT SYSTEM	1x TT3000SSA
IRIDIUM TRANCEIVER	1x Sailor SC 4000A



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Member of the DAMEN SHIPYARDS GROUP



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