



# DMS KITE

DAMEN SHOALBUSTER 3209 FIFI 1

## PICTURE OF SIMILAR VESSEL

### GENERAL

Yard number	571809
Delivery Date	March 2020
Basic functions	Towing, mooring, pushing, anchor handling, dredging support
Classification	Bureau Veritas: 1 * Hull • MACH Tug (design bollard pull=50.3t); Firefighting 1 - water spraying; Anchor handling Unrestricted Navigation • AUT-UMS
Regulations	Dutch Shipping Inspectorate (ILT), unrestricted service Saint Vincent and the Grenadines Damen Marine Services
Flag	
Owner	

### DIMENSIONS

Length overall	32.27 m
Beam molded	9.10 m
Beam overall (Incl. fender)	9.35 m
Depth molded (at ½ L)	4.40 m
Max. Draught	3.30 m
Deadweight @ max. draught	200 t
Deck area	80 m <sup>2</sup>
Gross tonnage	335 GT

### TANK CAPACITIES

Fuel oil	218.0 m <sup>3</sup>
Fresh water	40.8 m <sup>3</sup>
Lubrication oil	7.3 m <sup>3</sup>
Hydraulic oil	3.0 m <sup>3</sup>
Dirty oil	3.7 m <sup>3</sup>
Bilge water	4.3 m <sup>3</sup>
Sewage	6.4 m <sup>3</sup>

### PERFORMANCE

Bollard pull avg.	49.2 t
Speed avg.	12.3 kn

### PROPULSION SYSTEM

Main engines	2x Caterpillar Type 3512C TTA/HD
Total Power	2610 kW (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
Bow thruster	257 kW (350 bhp), hydraulically driven

### ACCOMMODATION

Heated and air-conditioned living spaces for 9 (+2 extra) persons, consisting of a captain's cabin, three double crew cabins, two single officers cabins with each one extra bunk. A combined galley and mess and sanitary facilities are provided.

### AUXILIARY EQUIPMENT

Main generator sets	2x Caterpillar C4.4 TA
Capacity	2x 86 ekW, 107.5 kVA, 50 Hz, 230/400VAC
Hydraulic	1x Caterpillar C18 TA
Capacity	1x 372 kW @ 1800 rpm
Fire-fighting 1 with water spray	Caterpillar C32 ACERT
pre-wetting	970 kW @ 1800 rpm with FFS pump, capacity 2800 m <sup>3</sup> /hr
FiFi monitor	2x FFS electrical controlled from the wheelhouse. Throw length / height: 120m /45m

### DECK LAY-OUT

Anchor	2x 337 kg HHP
Chain	2x 220m, 19 mm stud-link, U2
Anchor winch	1x Kraaijeveld, KAB-1-H-19D/19D
Deck crane	1x Heila HLRM 170-4SL 7.9 ton @ 15.93 m, 18.2 ton @ 8.03 m 5 ton, 45m drum wire capacity
Deck crane winch	Kraaijeveld KAW-30-H-TR/TR
Towing/Anchor handling winch	Towing pull 50 ton @ 12.5 m/min @ 1 <sup>st</sup> layer, Wire cap. 1x 800m Ø44mm, holding force: 150 ton Anchor handling pull 100 ton @ 7 m/min @ 1 <sup>st</sup> layer Wire cap. 1x720m Ø44mm, holding force: 150 ton 1x Dromec HPV-12000, 12 ton @ 20 m/min @ 1 <sup>st</sup> layer 1x WK-Hydraulics 50T-2F-1CS Towing pins 50 ton SWL, chain stopper 75 ton SWL Ø980 mm, 100 ton SWL
Tugger winch	
Towing pins	

### Stern Roller

### SECONDARY SHIP SYSTEMS

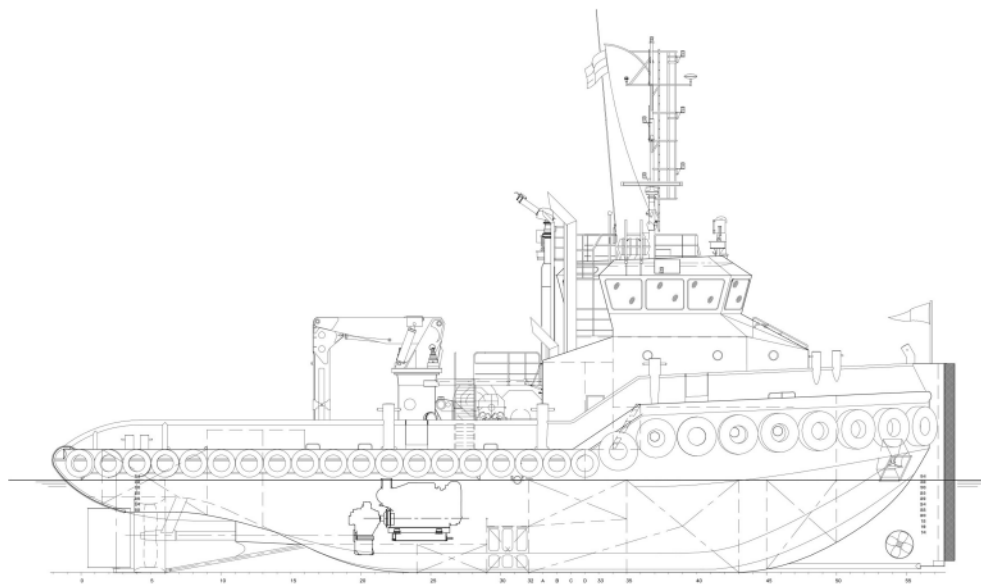
Transfer pumps	2x VWSI 8020, 50m <sup>3</sup> /hr @ 4.8 bar, 1x FW, 1x FO
Fuel oil separator	1x Alfa Laval, MIB 303, 760 l/h @ 4.8 bar
Bilge water separator	1x FACET CPS-2.5MKIII, 500 l/hr
Compressor	1x ABAC B-4900B, 39.2 m <sup>3</sup> /h at 11 bar, 500L tank

### NAUTICAL AND COMMUNICATION EQUIPMENT - GMDSS A3

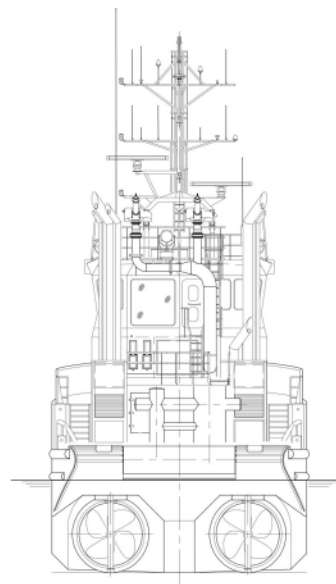
Searchlight	2x Pesch 2000W
Radar	2x Furuno, FAR-2117
Magnetic compass	1x Cassens & Plat, Reflecta 1
Autopilot	1x Simrad, AP 70
Gyro compass	1x Anschutz STD-22
DGPS	1x Furuno, GP-170
Dual ECDIS	1x FMD-3100
Echo sounder	1x Furuno, FE-800
Speed log	1x Furuno, DS-80
Intercom	1x Phonetech CIS 3101
Watch alarm	1x Furuno BR-500
VHF radio telephone	2x Sailor, RT6222 with DSC
SSB	1x Sailor 6310
NAVTEX	1x Furuno, NX-700
Handheld VHF	2x Jotron, TR30
Inmarsat-C	2x Sailor 6110
AIS	1x Furuno, FA-170
V-SAT	1x Cobham Sailor 800
Wind indicator	1x Obsermet OMC115
TV system	1x Seas-6000

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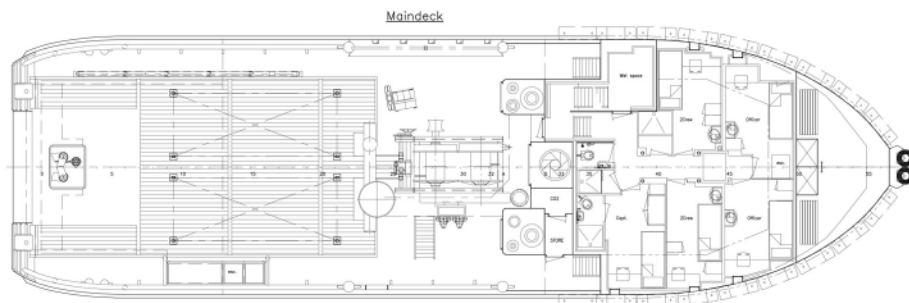
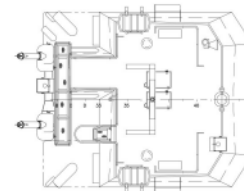
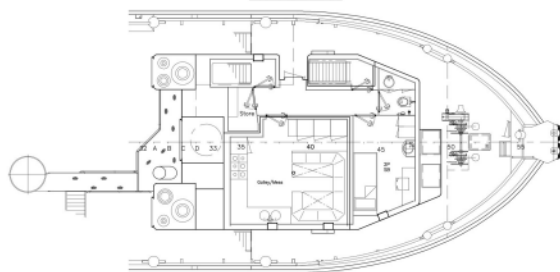
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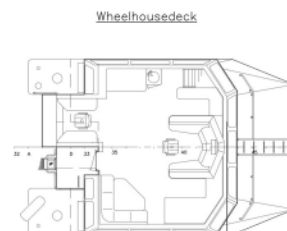
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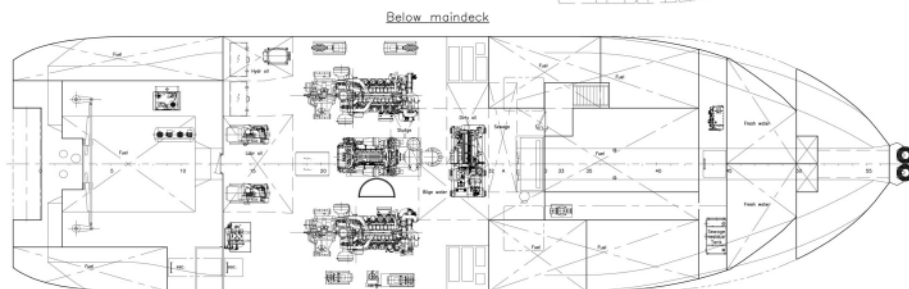
Topdeck



Maindeck



Wheelhousedeck



Below maindeck

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