Tugs Towing & Offshore Newsletter

22nd Volume, Special Dated 11 November 2021

BUYING, SALES, NEW BUILDING, RENAMING AND OTHER TUGS TOWING & OFFSHORE INDUSTRY NEWS

TUGS TOWING & OFFSHORE NEWS SPECIAL

"DUCHESS"

Photo Ruud Zegwaard

On Monday Thursday 11 November, 2021 the new build Damen Shipyards Hardinxveld yard number 571814, Shoalbuster 2711 "Duchess" was christened at the Dutch shipyard

Advertisement

Shoalbuster **Duchess** (Imo 9928944) is the newest addition for the Ports of Jersey the Shoalbuster 2711 ordered from Damen Hardinxveld is the second Damen vessel to be purchased by the Ports of Jersey.

The **Duchress** Shoalbuster 2711 design in the fleet has dimensions of 27,05 x 11.63 meter, a free deck space of 75 square meter, a strong deck crane and a strong anchor handling & towing winch.

On the 24 September 2021 the contract was signed between Damen Shipyards Hardinxveld (DSHa) and with Ports of Jersey for the building Damen Shoalbuster 2711. the second vessel of its kind ever to be built. The award of contract comes following a tender procedure. The new vessel will be the second Damen vessel to be operated by the Ports of Jersey, which has operated a Damen Shoalbuster 2709, named **Duke of Normandy**, for the past fifteen years.

Ports of Jersey was looking for a vessel offering versatility. As Donford Nicholas, operations and commercial manager, explains. “Since our incorporation, Ports of Jersey Marine Services department has developed a presence in the commercial maritime world, while still undertaking regular maintenance work in local waters.

“With an expanding work scope we needed a vessel with increased capability. We were looking for something that could support a wide range of tasks, including engineering and survey projects. We have a keen focus on sustainability so it is our goal to support the forthcoming offshore wind projects that will take place in UK and EU waters nearby. We see this vessel as added value, not only for the Ports of Jersey, but for the community as a whole, offering a greater potential of commercial opportunities and, ultimately, wider employment prospects.”

Ports of Jersey selected the Damen Shoalbuster 2711 after visiting the first of its kind on display at the Seawork exhibition in Southampton. The Shoalbuster 2711 is an evolved version of the 2709. An additional two metres of beam provide extra stability, work space, storage and space for a larger crane. It is MCA compliant, offers 40 tonnes bollard pull and boasts excellent crew facilities.

As with all standard Damen vessels, there is room for the customer to select their own options to suit their individual requirements.
"We've opted to have the vessel fitted with the latest Heila crane," says Donford. "We've got a good relationship with Heila. They provided the crane to the **Duke of Normandy** and everyone is familiar – and happy – with it."

The **Duke of Normandy** played an important role in Damen's success in securing the contract for the new vessel.
"We've been very happy with the performance of the **Duke of Normandy**. She's proven her quality over 15 years. The price for the new vessel was also competitive. Besides this, we enjoy a good relationship with Damen."
This was demonstrated just last year when Damen Shipyards Gorinchem won the tender to conduct the **Duke of Normandy's** 15-year drydock and renewal survey. No sooner had the vessel docked than the coronavirus outbreak occurred. All the crew had to leave the Netherlands and return to Jersey.

"From then onwards we had to manage the project remotely. Damen were very supportive. We had regular digital contact throughout the project and everything was done well and on-time. Like Damen, we've taken the coronavirus very seriously. We've had a track and trace system in place since July last year – something we've been happy to share with our colleagues at other ports and airports – and we require a negative test result for anyone coming aboard."

Damen sales manager Frederik van der Linde said of the contract, “I’m very happy with this order. It’s a testimony to the quality of the Ports of Jersey’s first Damen Shoalbuster, the **Duke of Normandy**, that we delivered 15 years ago and to the excellent relationship our two organisations enjoy. I am looking forward to continuing to develop this relationship into the future.”

The **Duchess** multipurpose, workboat is defined by its heavy-duty construction and large work deck which may feature a deck crane as well as a broad scope of towing / anchorhandling equipment. Designed for multiple roles in diverse working environments.

She is classed Bureau Veritas, I HULL · MACH Offshore support vessel (Anchor handling); Tug (design bollard pull = 41 t)) Unrestricted navigation · AUT UMS Emission regulations IMO tier II certified
Nat. Authoritities : Flag UK MCA Cat 0

Sponsor lady of the tug Mrs Fiona Planterose - Head of Group Procurement - Ports of Jersey received the flowers

The tug was handed over by yard director Mr. Jeroen van Woerkum to the new owners the Ports of Jersey

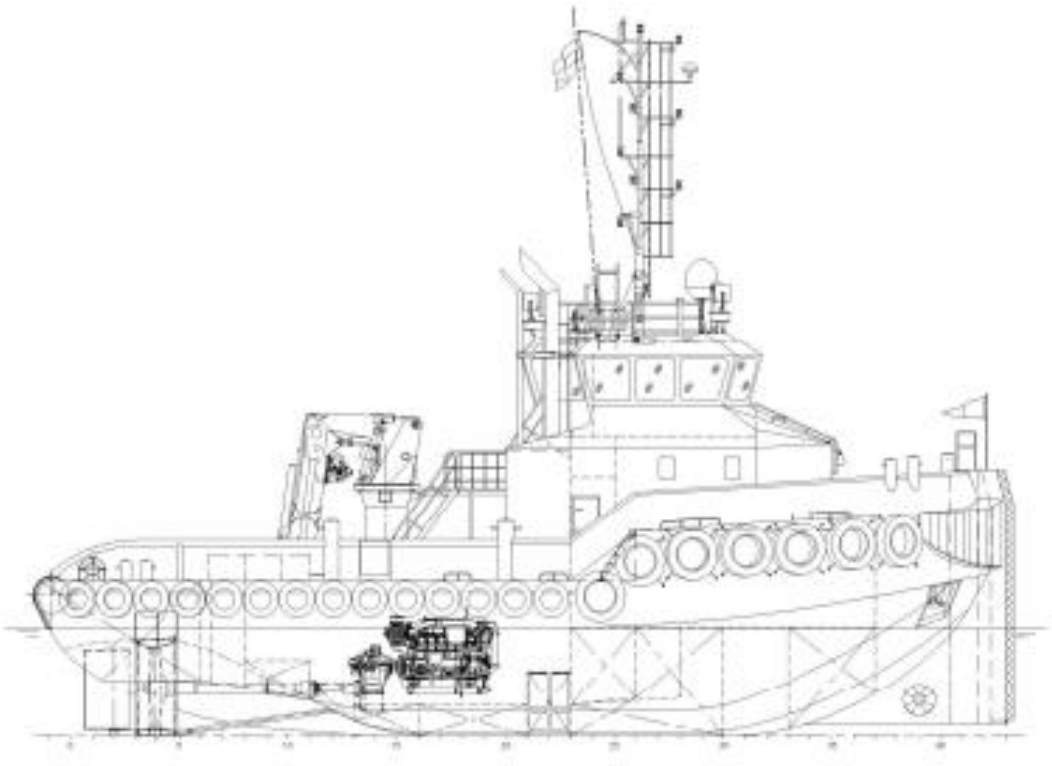
Dimensions:

The "**Duches**" has a Length overall 27,05 m Beam overall 11,63 m Beam moulded 10,50 m Depth moulded 4,25 m Deadweight ↓ Draught (98% condition) 3,00 m 125 ton Cargo deck area 75 m2 Gross Tonnage 321 GT British Tonnage 193 BT

Propulsion system: **

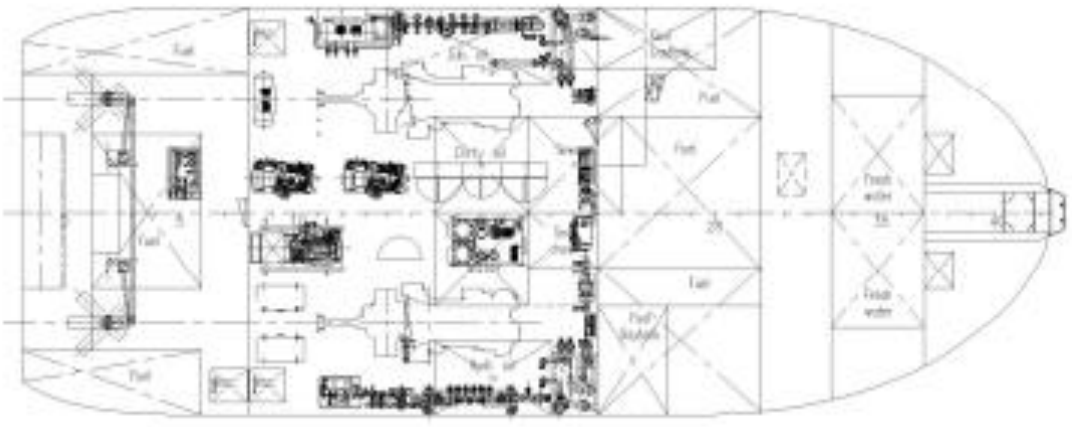
The main power is provided by two Caterpillar 3512C B-rating diesel engines with a total output of 2,610 bkW (3,500 bhp) at 1,600 rev/min. This is delivered to a two screw arrangement of Promarin fixed pitch propeller turning in 2,250 Optima nozzles via Rientjes WAF 773, red. 6,44:1 gearboxes. Further the vessel has a Veth VT-180, 145 kW (200 bhp), electrical driven bow thruster

On trails, this configuration gave the vessel a bollard pull of 42.6 tonnes and a free running speed of 12 knots.



PS Caterpillar main engine

SB Caterpillar main engine



Auxiliary equipment:

The two Generator sets are one unit Caterpillar C4.4, 107 kVA/86 ekW 230/400V, 50Hz and one unit Caterpillar C9.3, 321.5 for bowthruster and deck equipment Capacity 1x 300 ekW, 1800 rpm.

One Fuel oil transfer Azcue CA50 / 7A, 30 m3 /hr, One Fresh water transfer Azcue CA50 / 7A, 30 m3 /hr and one Fuel oil separator Westfalia OTC2, 1150 ltr/hr

Aft engine room Caterpillar generator sets

Fore engine room Caterpillar generator set

Bowthruster and deck equipment generator set

Main switch board

Air compressor set

Fuel oil separator

Deck layout:

Two Pool anchor HHP of 315 kg with chain 192,5 m each and diameter of 19 mm. Two anchor winch Kraaijeveld KAB-1-H-19. The combined anchor handling/towing winch are mounted on the aft main deck. Towing winch According Noble Denton Regulations Kraaijeveld KAW-30-H-TR/TR Towing part: Pull 60 ton @ 8,7 m/min, 12 ton @ 32 m/min, BHL = 135 ton, Wire capacity 800 m Ø44mm Anchor handling part: Pull 100 ton @ 5,4 m/min, 20 ton @ 19 m/min, BHL = 135 ton, Wire capacity 650 m Ø44mm. Towing pins set DMC with integrated chain stopper. Sternroller Ø1.0 m, length 4 m. One Tugger winch Dromec HPV-12000, 12 t @ 20 m/min. One moonpool Integrated in pushbow. Two Couple winches Kooiman, BHL 60 ton. One Deck crane Winch kit 1x Heila HLRM 140/6S 5,65 ton @ 19,03 m, 19,7 ton @ 6,28 m SWL 5 ton, 0-18 m/min, 50 m wire length.

Shoalbuster 2711

Deck Crane

Double drums winch, one for towing and one for anchor handling

Tugger winch /Mooring winch

SB Anchorwinch

Tank arrangements/capacity:

The tug consist tanks for the following liquids; Fuel oil tanks capacity 140,0 m3; Fresh water tanks capacity 30,0 m3; Lubrication oil tank capacity 4,8 m3; Hydraulic oil tank capacity 3,5 m3; Bilge water tank capacity 4,7 m3; Dirty oil tank capacity 4,6 m3; Sewage tank capacity 4,7 m3

Accommodation:

The tug has been outfitted to the highest standards heated and air-conditioned living spaced for 7 persons, consisting of a captain's cabin, two single officer cabins and two double crew cabins. Galley, mess and sanitary facilities are facilitated as per General Arrangement Plan. According to ILO2006 regulations.

Captain cabin

Single bedroom

Galley

Messroom

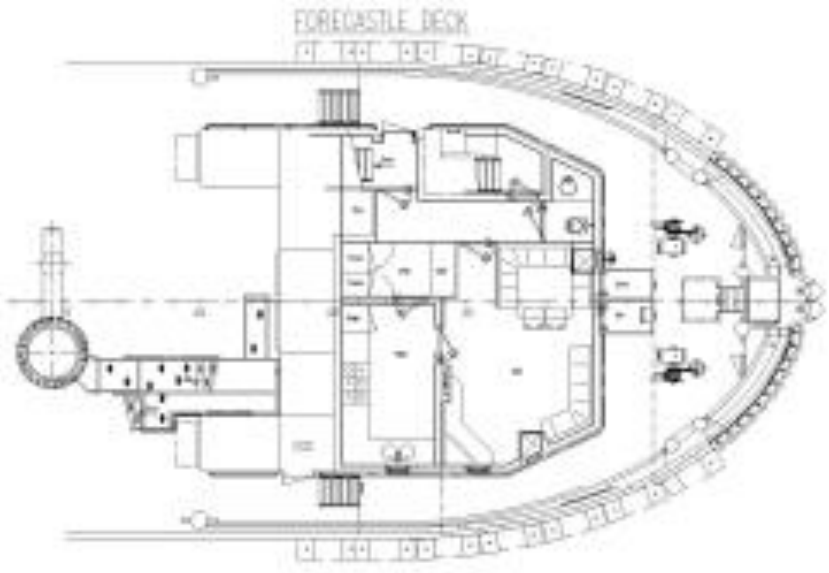
Messroom/Dayroom

Laundry

Nautical and Communication Equipment:

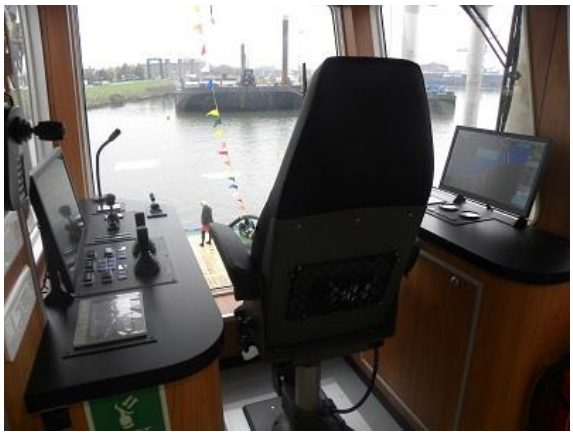
The bridge is equipped with extensive nautical and communication equipment according the highest standards:

Searchlights 2x Pesch 2000W Radar System 1x Furuno, FAR-1518BB Magnetic compass 1x Cassens & Plath, Reflecta 1 Autopilot 1x Simrad, AP-70 Gyro compass 1x Anschutz Standard 22 Compact EPIRB 1x Jotron, Tron-60S SART 1x Jotron, Tron Sart-20 GPS 1x Furuno, GP-170 AIS 1x Furuno, FA-170 Echosounder 1x Furuno, FE-800 Speedlog 1x Skipper, EML-224 Intercom 1x Phontech, CIS3000 Watch alarm 1x Furuno, BR-500 VHF / DSC 2x Trane & Thrane, RT6222 Handheld VHF 2x Jotron, Tron TR-30 SSB 1x Cobham, model 6310 Inmarsat-C 2x Cobham, Sailor 6110 Navtex 1x Furuno, NX-700A Radio – TV system 1x SEAS system, SEAS-6000 VSAT 1x Cobham, Sailor 800 Wind meter 1x Obsermet, OMC-115 ECDIS 1x Furuno FMD3100



PS bridge console

SB bridge console



Aft bridge console

Chart table

PS foreward Bridge servey desk

SB aft bridge dining table

Three chairs are fitted on sliding rails for the forward manoeuvring console and aft bridge manoeuvring console. The bridge chart table is found at the starboard forward bridge and a starboard aft dining table and at portside fore bridge a dedicated survey desk. The very spacious bridge has a beautiful good looking layout with an around view over the fore deck, aft deck and sides. This Damen Shoalbuster is again built to the highest standards.

Launching ceremony

Baptism scissors

Sponsor Lady, Harbour Master & Yard director

Bottle half way

Bottle of Champagne broken on ships hull

Change flag from yard to owners

The godmother of the **Duchess** Mrs Fiona Planterose received a gift from the Damen Hardinxveld director Mr. Jeroen van Woerkom

Another gift was a part of the champagne bottle and a plate to remember the Baptiste of the vessel

A very nice picture of the vessel for the owners and a barometer/clock set for the captain

Towingline thanks the owners – Ports of Jersey and the yard – Damen Shipyard Hardinxveld-Giessendam for their hospitality and invitation for the christening ceremony of the Shoalbuster 2711 "**Duchess**"

Towingline/Tugs Towing & Offshore News wish the vessel, the owner and her crew in all-weather work circumstances safe voyages

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