



Tomorrows Tugs. Today.

ASD TUG 2111

DAMEN
OCEANS OF POSSIBILITIES



A compact multipurpose tug for every port

Tugs that are compact, manoeuvrable and powerful are essential to maximize harbour utilisation. The volume of sea transport keeps expanding each year while the growth of port infrastructure is unable to keep up. Ports need to handle vessels faster to ensure they meet the demand. We believe that the compact tugs from our Next Generation range enable ports to step up their game.

Efficient and effective

The ASD Tug 2111 is designed with efficiency in mind. The placement of the double drum winch inside the deck house allows the vessel to operate a single winch over both the bow and the stern of the vessel.

This placement has the additional benefit that the working decks remain clear to be utilized for other operations and it allows the further optimisation of the placement of both towing bits to increase the manoeuvrability of the vessel during operations.

The combination of the beamier hull design and the patented Twin Fin concept gives the vessel more stability, better course stability and increased manoeuvrability compared to other, similar-sized, vessels.

This, combined with the powerful and fast responding, high speed, main engines, make the compact ASD Tug 2111 a very nimble, 50-tonne bollard pull workhorse for any port.

Fulfilling your sustainability goals

Calls for sustainable shipping solutions are louder than ever. We aim to answer those calls by ensuring that our conventionally-driven vessels can operate with lower emissions by offering the latest exhaust after-treatment capabilities via our own Damen selective catalyst reduction system and by offering the option of a full electric propulsion train.

All of our Next Generation Tugs come prepared for the Damen SCR system. This system makes the vessel compliant with IMO TIER III and EU Stage V regulations as well as achieving ULEV notation. This modular system can be applied, off the shelf, at any stage of construction or as a retrofit.

Following the successful introduction of our first fully electric tug, the RSD-E Tug 2513, the electric propulsion system concept is now ready to be implemented across our entire Next Generation Tug range, thereby bringing the possibility of zero emission operations to a wider variety of vessels.



› IMO Tier III SCR system



› Damen E-Drive system

ASD Tug 2111

The compact, multipurpose ASD Tug 2111 delivers an impressive bollard pull of 50 tonnes, while the patented Twin Fin skag plus twin Azimuth thrusters ensure excellent manoeuvrability. An obstacle-free working deck ensures a safe working environment for three to six crew members, as does the powerful covered winch which handles both forward and aft operations.

50

bollard pull (max)

21

length (metres)

6

max crew



DIMENSIONS

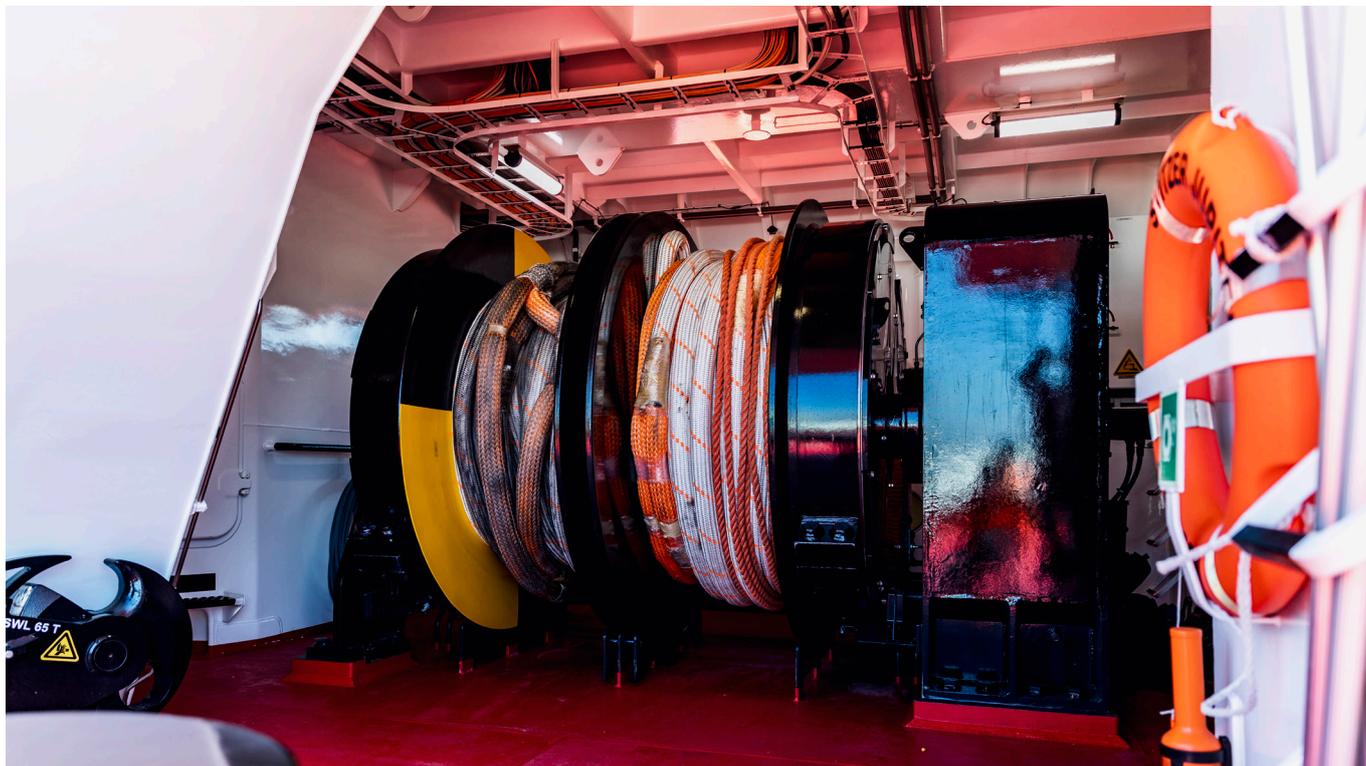
- › Length 21.02 m
- › Beam 11.13 m
- › Draught max 4.10 m
- › Gross tonnage <200 gt

PERFORMANCE

- › Bollard pull ahead 50 tonnes
- › Bollard pull astern 45 tonnes
- › Speed 10.7 knots

FUNCTIONALITY

- › Harbour and terminal (un)berthing
- › Escort operations
- › Fire-fighting operations
- › Oil pollution control operations
- › Coastal operations



Standardisation – cost effective and low maintenance

The ASD Tug 2111 builds further on the Damen philosophy of standardised shipbuilding. The vessel is fitted with the same modular system as our other Next Generation Tugs, and, throughout the vessel, durable systems and components are used that have been developed based on the lessons learned from the hundreds of vessels that Damen has designed and built.

The vessel is fitted with a fresh water, closed loop, keel cooling system, and the combination of an optimised hull shape with a smart fuel tank layout eliminates

the need for a sea water ballast system. By minimising the number of seawater systems in the engine room, the associated maintenance of such systems is reduced to a bare minimum.

Safety first!

The ASD Tug 2111 excels in compact versatility, but the main priority must always be to bring the vessel - and those aboard - safely back home when the job is done. Safety is fully integrated into the design of all of the Damen Next Generation Tugs. The shatterproof Damen Safety Glass in the wheelhouse, the spacious and uncluttered work deck, the high freeboard,

the full vision bridge and the large tumblehome, to name but a few, are all incorporated in the design so that the vessel and crew can do their job safely.

Global support where you need it

As a total solutions partner, Damen Shipyards provides much more than just integrated designs and the delivery of high-quality vessels. Damen Services offers 24/7 support via our worldwide service network, providing a wide range of services from a single spare part to long-term service agreements.

