

ASD 3110

Two sister vessels



► PICTURE OF SIMILAR TUG

GENERAL

Built	2007, rebuilt 2026
Basic functions	Towing and mooring
Classification	Lloyd's Register ✕100 A1 Tug UMS LMC

DIMENSIONS

Length overall	30.82 m
Beam overall	10.20 m
Depth at sites	4.80 m
Draught aft	4.88 m

TANK CAPACITIES

Fuel oil	136.6 m ³
Fresh water	63.4 m ³
Sewage	2.1 m ³
Dirty oil	2.6 m ³
Lubrication oil	3.9 m ³
Sludge	1.3 m ³

PERFORMANCES

Bollard pull ahead	± 53 t
Speed ahead	± 12 kn
Speed astern	± 11 kn

PROPULSION SYSTEM

Main engines	2x Caterpillar 3516B TA HD / B
Total power	3542 bkW (4750 bhp) at 1600 rpm
After treatment	Damen NOx Reduction system
Emission	IMO Tier III certified, newly installed 2026
Azimuth thrusters	Rolls Royce US 205
Propeller diameter	2400 mm
Forced ventilation	52.000 m ³ /hr

AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C4.4
Bilge pumps	2x Sterling AKHA 5101 20 m ³ /hr
Fuel oil pumps	2x Sterling 20 m ³ /hr and 4.5 m ³ /hr
Fuel oil purifier	CJC
Hydraulic system	Double main engine driven pumps
Water transfer pump	Sterling SIHI AKHK 5101 20 m ³ /hr
Cooling system	Box cooling + anti marine growth system

DECK LAY-OUT

Anchors	2x 360 kgs Pool (High Holding Power)
Anchor/towing winch	Kraaijeveld, 10 ton pull at 20 m/min. 130 ton brake
Towing winch aft	Kraaijeveld, 18 ton pull at 11 m/min. 130 ton brake
Towing hook	Mampaey 65 ton
Fendering	D-fender at sides + triple cylinder bow fender
Stern roller	Length 1250, diameter 550 mm

ACCOMMODATION

Air-conditioned accommodation for 10 persons with a captain's cabin, chief engineer's cabin, officer's cabin and 4 crew cabins each for 2 persons, a mess/dayroom, galley and sanitary facilities

NAUTICAL AND COMMUNICATION EQUIPMENT

Radar
Compass
Gyro compass
Autopilot
GPS
Echosounder
VHF
SSB
Navtex receiver
Speedlog
AIS



These two sister tugs are extremely manoeuvrable and due to their operational flexibility, they can be used for harbour, coastal berthing operations and offshore towing.

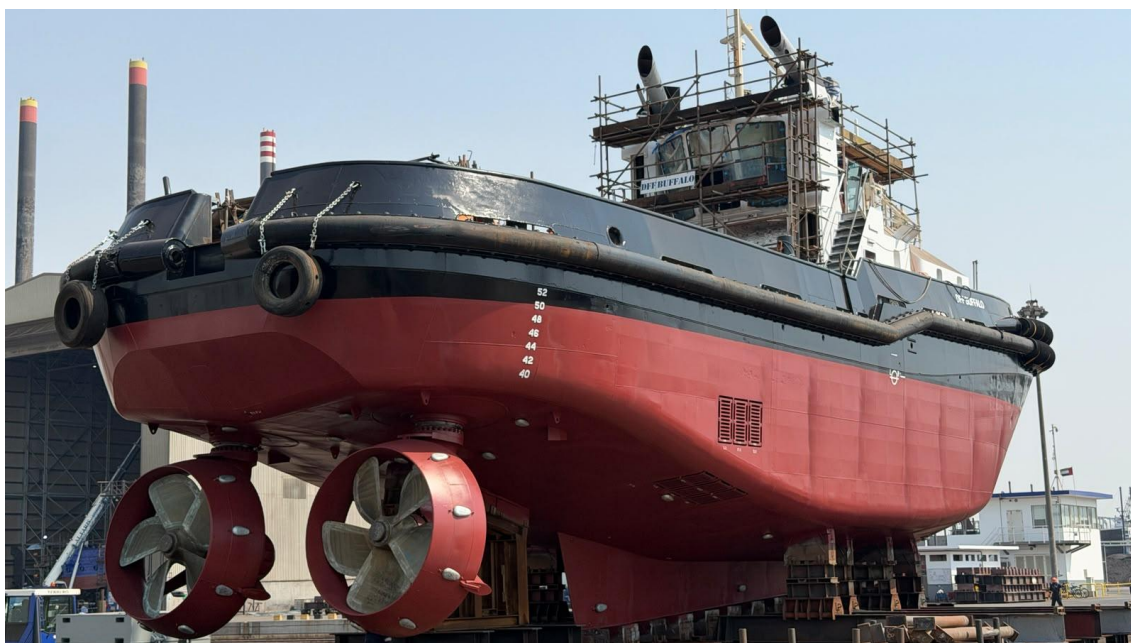
Because of its good stability the full potential of the high steering forces and the hydrodynamic forces of the hull in the indirect towing mode, especially at somewhat higher speeds, they can be used safely.



DAMEN

[Damen.com](https://www.damen.com)

© This product sheet is designed to inform about Damen and its product(s). All data presented is preliminary and subject to changes. No rights can be derived from this information with regard to dimensions, characteristics or performances of any of the products shown. Damen is not liable for the consequence of taking on the information from the product sheet. The entire contents of this product sheet (text, drawings, photos, etc.) is copyrighted and may not be reproduced or distributed without the specific written permission of Damen.



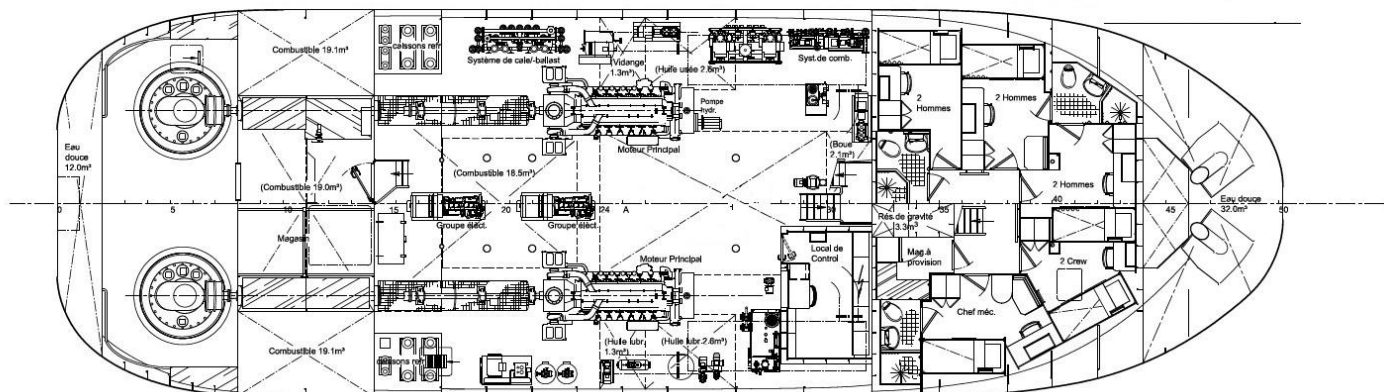
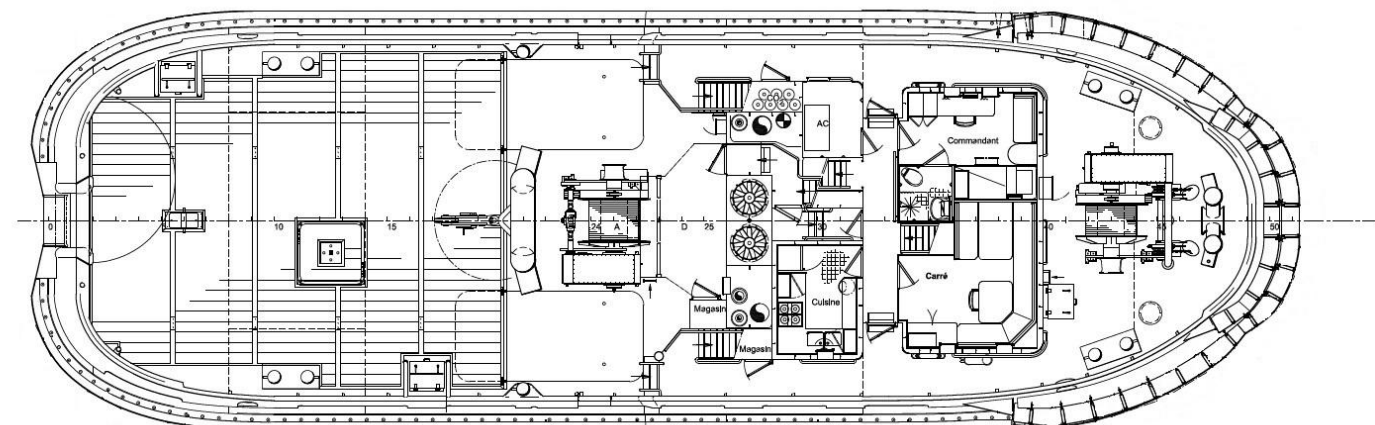
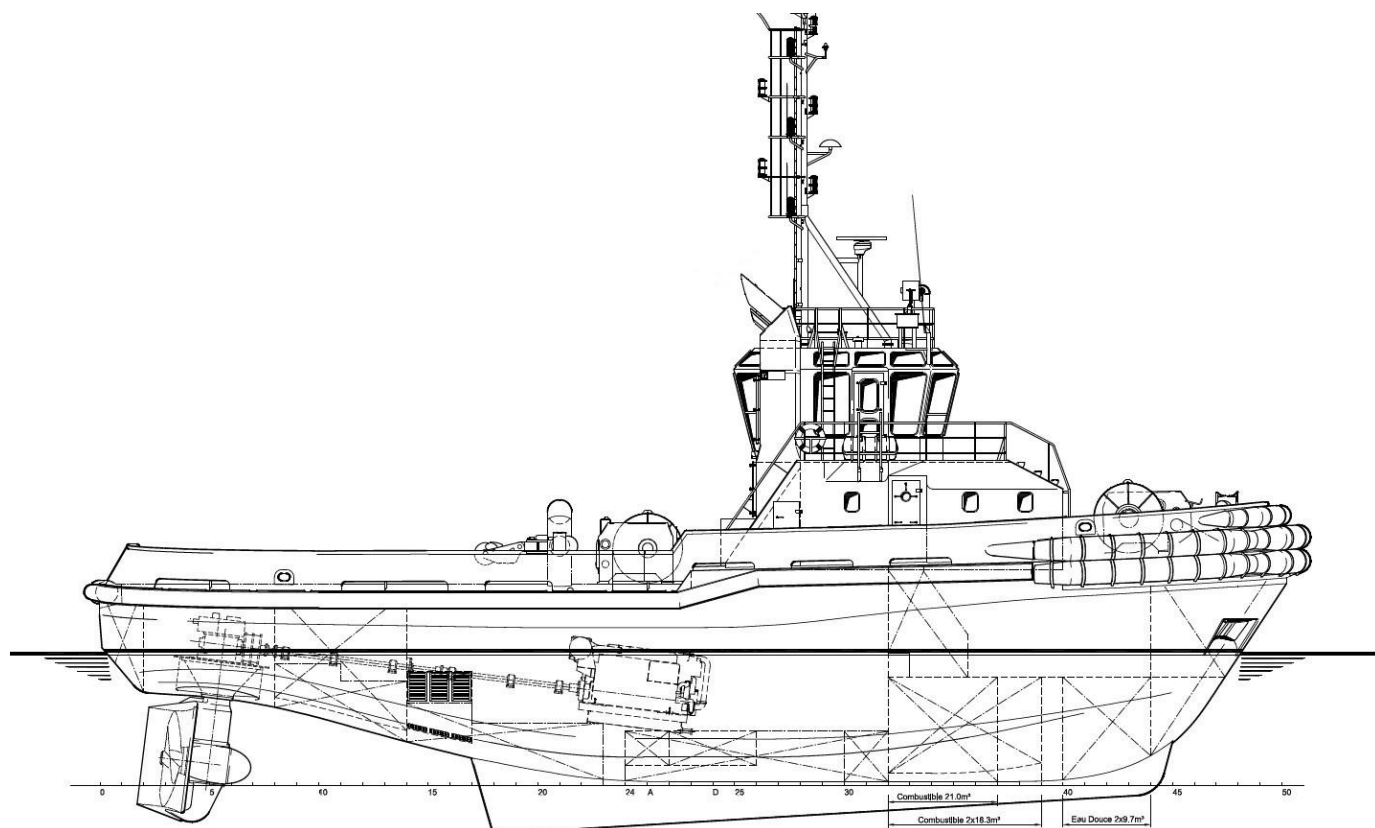
DAMEN

[Damen.com](https://www.damen.com)

© This product sheet is designed to inform about Damen and its product(s). All data presented is preliminary and subject to changes. No rights can be derived from this information with regard to dimensions, characteristics or performances of any of the products shown. Damen is not liable for the consequence of taking on the information from the product sheet. The entire contents of this product sheet (text, drawings, photos, etc.) is copyrighted and may not be reproduced or distributed without the specific written permission of Damen.

ASD 3110

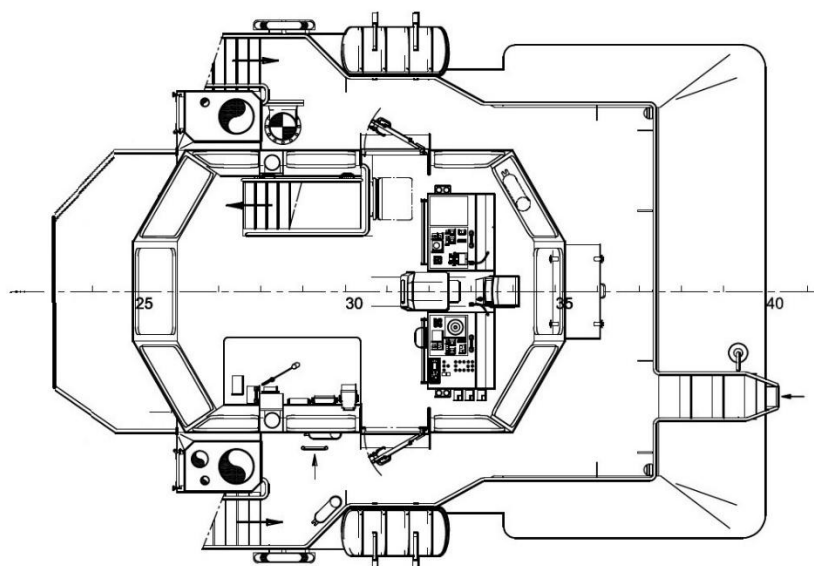
Two sister vessels



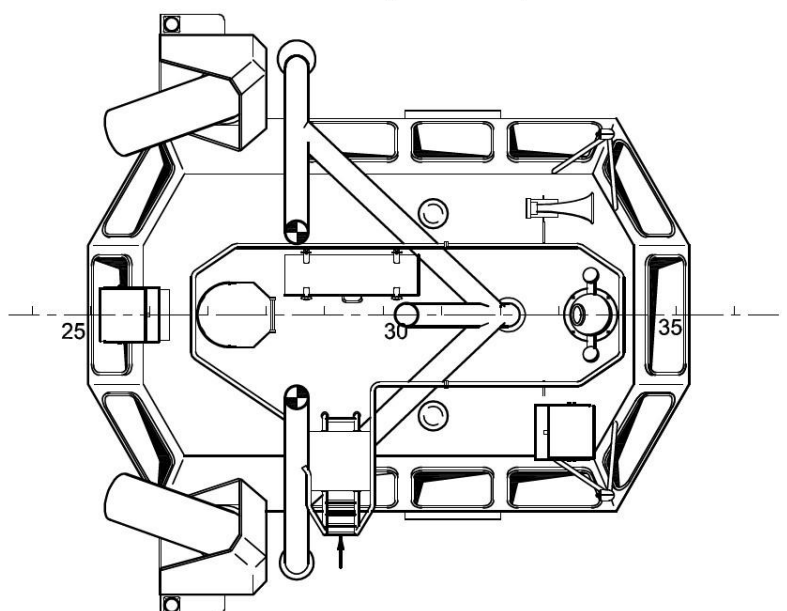
DAMEN

Damen.com

© This product sheet is designed to inform about Damen and its product(s). All data presented is preliminary and subject to changes. No rights can be derived from this information with regard to dimensions, characteristics or performances of any of the products shown. Damen is not liable for the consequence of taking on the information from the product sheet. The entire contents of this product sheet (text, drawings, photos, etc.) is copyrighted and may not be reproduced or distributed without the specific written permission of Damen.



Topdeck



DAMEN

Damen.com

© This product sheet is designed to inform about Damen and its product(s). All data presented is preliminary and subject to changes. No rights can be derived from this information with regard to dimensions, characteristics or performances of any of the products shown. Damen is not liable for the consequence of taking on the information from the product sheet. The entire contents of this product sheet (text, drawings, photos, etc.) is copyrighted and may not be reproduced or distributed without the specific written permission of Damen.