



General

Basic functions	: Towing and mooring operations
Classification	: Bureau Veritas I 3/3 E + Tug Coastal Waters Ice III MACH
National authorities	: Dutch Shipping Inspection 200 n.m.
Call sign	: P.I.M.V.
Imo nr.	: 9110860

Dimensions

Length o.a.	: 22.50 m.
Beam o.a.	: 7.25 m.
Depth at sides	: 3.76 m.
Draught aft.	: 2.93 m.
Displacement	: 231 ton(m.)

Tank capacities

Fuel oil	: 34900 l.
Fresh water	: 9200 l.
Ballast	: 17600 l.
Sewage	: 1100 l.
Dirty lub. oil	: 1300 l.
Clean lub. oil	: 1300 l.

Accommodation

Heated living spaces for 7 persons, consisting of a captain's cabin, 4 crew cabins, galley/mess and sanitary spaces.

Performances

Bollard pull	: 25.5 ton(m.)
Speed	: 11.9 knots

Propulsion system

Main engines	: 2 x Wärtsilä SACM UD25 V12 M4D
Total power	: 1324 bkW (1775 bhp) at 1650 rpm
Gearboxes	: 2 x Messon 601 RSD/5.1:1

Propellers	: 2 x Lips fixed pitch propellers
Diameter	: 2 x 1700 mm in nozzles

Auxiliary equipment

Generator set	: 2 x Lister CDT-4 Stamford UCM 224
Capacity	: 57.5 kVA each, 50Hz, 220/380V

Deck lay-out

Anchors	: 2 x 180 kg Pool (High Holding Power)
Chains	: 2 x 110 m. shortlink 20 mm O2.
Anchor winch	: Kraaijeveld 2 ton, 10 m/min.
Towing hook	: Marnpaey disc type SWL=25.5 ton
Towing winch	: Kraaijeveld, side by side 10 ton pull, 60 ton holding
Slipway	: f 610 mm x 17,5 mm
Wooden deck	: 12/2" bengkirai hardwood

Nautical and communication equipment

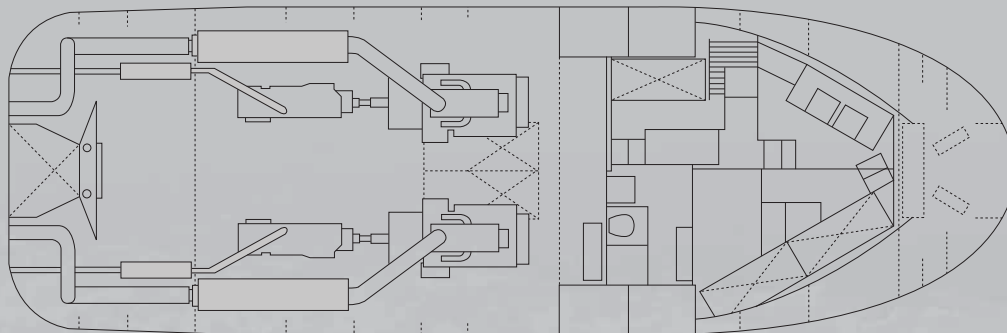
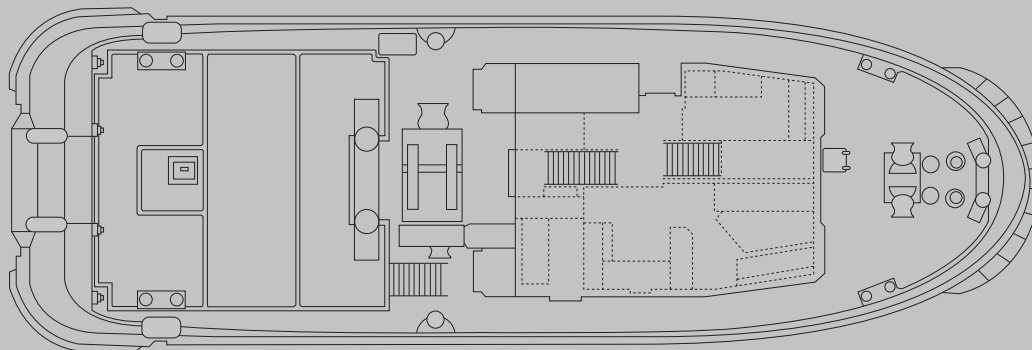
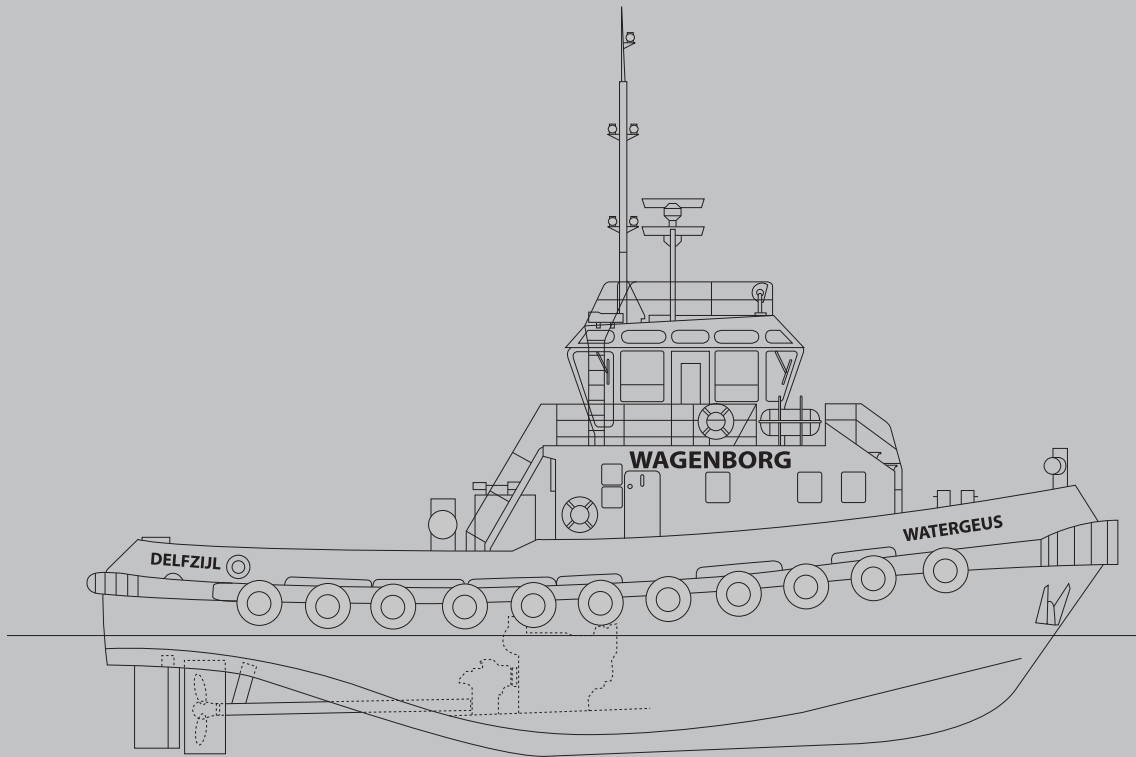
Searchlight	: 2 x 1000 W Pesch
Radar system	: Furuno FR-2110 and FR-8050
Compass	: Electronic IT Holland, S6
Autopilot	: Robertson AP-45
GPS	: Furuno GP-70 Mark 2
Echosounder	: Furuno FE-606
VHF radio telephones	: 2 x Sailor RT-2048
Navtex receiver	: Furuno NX-500
VHF hand-held receiver	: Furuno FM-55
SSB transceiver	: Furuno FS-1562
Mobile telephone	: +31 6 - 53 27 33 15

Particulars believed to be correct, but not guaranteed.



WAGENBORG TOWAGE

WATERGEUS



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