

The NavTug® 18TS push is a small, compact and powerful multi-purpose shallow water tug. It is designed, built and certificated as a seagoing vessel under GL-Class as well as inland navigation vessel.



BASIC DATA

MAIN PARTICULARS

BOLLARD PULL:	16 t
SPEED:	11 kn
TONNAGE:	65 GT
CLASSIFICATION:	GL X100 A5 K(20) E Tug X MC
FLAG:	Germany

MAIN DIMENSIONS

LENGTH, o.a.:	18,5 m
BEAM, o.a.:	6,2 m
DRAUGHT:	1,80 - 2,20 m
AIR DRAUGHT min.:	Approx. 4,30 m

CAPACITIES

FUEL OIL MGO:	2 x 6 m ³ + 2 x 2 m ³
FRESH WATER:	2 x 1 m ³
SEWAGE:	1 x 1 m ³
SLUDGE:	1 x 0,4 m ³
BALLAST:	2 x 4,5 m ³ + 1 x 2,7 m ³

ACCOMMODATION:

ON MAIN DECK

- Open Galley
- Dining table for 3 persons

BELOW MAIN DECK

- 1 double cabin
- 2 single cabins
- 1 sanitary space with shower, wash basin and WC

GALLEY EQUIPMENT

- Cooker and exhaust hood
- Fridge without freezer
- Workplate, sink, provisions ward robe

FIRE PROTECTION AND FIGHTING

- FM200-system in the engine room with release station on deck
- 2 x Powder extinguisher 6kg in the engine room
- 1 x Co² extinguisher in the engine room
- 1 x Powder extinguisher in the messroom
- 1 x Powder extinguisher in the lower corridor
- 1 x Co² extinguisher in the wheelhouse
- 20m fire hose in the engine room
- 20m fire hose on deck

LIFE SAVING EQUIPMENT

- 1 x liferaft 6 persons
- 1 x life bouy with rope, 2 x with light
- SART
- EPIRB

ANCHOR AND MOORING EQUIPMENT

ANCHOR EQUIPMENT:

- Double hydraulic with capstan
- 2 x chain stopper
- Stud-link cable 2 x 82,5 m K2 12,5 mm, galvanized
- 2 x anchor 90kg d'Hone spezial HHP
- 2x emergency slip device for chain
- Bailing of the chain locker with a hand pump
- 2 x stern anchor 180 kg d'Hone spezial HHP
- 2 x wire stern anchor 180 kg d'Hone spezial HHP
- 2 x wire stern anchor 180 kg d'Hone spezial HHP, operated hydraulically with pneumatic emergency release device
- 80 m wire 18 mm on drum

LIFTING DEVICE FOR WHEELHOUSE

LIFTING RANGE: ca. 4,4 m

LIFTING CAPACITY: 3,75 t

- Hydraulic operation with safety clamp
- Cable routing: Outside, open access with energy chain
- Radar and signal mast foldable

NAUTICAL EQUIPMENT

The ship is equipped with navigation equipment for the planned navigation areas, among other things, with:

- GMDSS A1
- UKW DSC
- SART
- EPRIB
- 2 x Searchlights 24 V
- Phone, Fax, TV, LAN, Radio
- GMDSS hand broadcasting equipment
- GPS Navigation
- AIS
- River radar, Sea radar prepared
- Rate of turn indicator
- Magnetic compass
- Riverpilot
- Echo sounder

TOWING EQUIPMENT

- Towing hook "disc type" with SWL 20 tons with pneumatic release from wheelhouse + local

MACHINERY

MAIN ENGINES:	2 x 441 KW @ 1800rpm Volvo Penta D16
GEARBOX:	2 x ZF W2300
SHAFT LUB/COOL:	Closed water circuit cooling
PROPELLER:	2x 4-blade propeller 1,3 m dia, Piening
NOZZLES:	2x Optima nozzles
RUDDERS:	2 x single plate rudders
GENSET 1:	1 x 27 kVa Hatz aircooled
GENSET 2:	1 x 20 kVa Hatz aircooled