

*This for a long time within small family ship owner company operated and well maintained inland tugboat now for sale. The motor launch type of hull, originally designed by the well-known Theo Gillissen, has been lengthened in 2001 with 1.60 m. Beside some other re-investments during the years, in 2021 the combi autopilot renewed, main engine overhauled and new propeller fitted, in 2023 new radar with for marine use dedicated navigation overlay system installed. Very suitable for use as project management-, hydrographic-, guard/ traffic control vessel and of course as tug.*

Type	Tugboat
Built	1977, the Netherlands
Dimensions	14.90/14.65 x 3.96 m
Draft	± 1.58 m (in way of rudder soul piece)
Airdraft	± 3.35 m with lowered mast, etc./ ± 6.25 m with mast upright
Displacement	Max. 30.386 m <sup>3</sup> / 25.067 m <sup>3</sup> / (acc. to inland tonnage certificate)
Propulsion	Single fixed 4-blade Cunial propeller, dia. ± 960 mm
Main engine	Volvo Penta, type TAMD 121D
Output	362 hp
Gearbox	Masson NFB, ratio 3.59:1
Cooling system	Closed heat exchange system via bilge keels
Steering system	Single type Becker rudder, double hydraulic cylinder actuator, electric/ hydraulic power steering system beside the hand hydraulic driven system
Bow thruster	None
Speed	Cruising ± 8.5 knots/ top speed ± 9.6 knots (both free sailing)
Bollard pull	± 3 to 4 tons
Deck equipment	Bow push chair with rubber fender, tyre fenders along sides and stern, 2 manually operated 10 tons couple winches, towing bitt with towing hook, hoisting davit with hand operated winch, alu mast with hand operated lowering system
Anchor gear	Bow anchor of type D'hone special, 40 m stainless steel anchor chain, hand operated anchor winch
Moonpole	Aft of wheelhouse over port side, stainless steel, size 700 x 400 mm
Electrical system	Separated start and board net system both 24V, via Victron 1500W converter also 220V available. Battery charging via alternator at main engine, via shore power by means of Victron battery charger
Tank capacities	Fuel oil 3.3 m <sup>3</sup> Fresh water 0.8 m <sup>3</sup>
Accommodation	In forward below deck space 1 single berth, galley and 1 separate toilet space. Hereafter on aft cockpit work deck level 1 spacious wheelhouse/ day-room/ survey office
Heating/ climate systems	CV system with make Kabola gasoil type heater.
Nav./comm. equipment	3x VHF, hand held VHF, river radar with map navigation system, rudder and turn angle indicator, AIS, echo depth sounder with display in radar screen, search light, remote operated blue day sign
Class	EU inland waters certificate, type of vessel tugboat, for EU zone 3 and 4 and rivers Rijn, Waal and Lek in the Netherlands
Remark	Lots of stainless steel deck outfitting. Aluminium framed windows of which most with double glass. Interior neatly finished in clear-varnished wood. In wheelhouse beside special survey desk lay-out also a normal table and bench lay-out available. Survey equipment cable passages in top deck and aft side of wheelhouse both dia. 2". By main engine driven make MDB/ Woerner, automatic grease system at propeller shaft. Suitable for cruising the Canal du Midi.































