

*Compact shallow draft inland waters tug/ push boat. Since 2021 vessel largely refurbished, amongst modified steering gear, new carpentry in wheelhouse and in forward below deck accommodation, new antenna and navigation lights mast, largely renewed electrical board net system and several new navigation and communication equipment.*

Type	Tug/ push boat
Built	1980, Shipyard H.A. van Gelder, the Netherlands
Dimensions	14.80 x 4.40 x 1.60 m
Draft	1.31 up to 1.45 m
Propulsion	Single fixed propeller
Main engine	Caterpillar, type 3408PCTA, mfd. 1980, revised in 2000, emission label none
Output	370 hp at 1800 rpm
Gearbox	Twin Disc, type MG 516, ratio 1.52 :1
Cooling system	Box heat exchanger cooling system
Steering system	Hydraulically operated balanced type rudder, steering gear unit with 1 hand hydraulically and 1 via PTO main engine and 1 24V electrically driven hydraulic pump, rebuilt and modified 2023.
Speed	± 8 knots free sailing
Bollard pull	± 3 to 4 tons
Displacement	Max. 67.760 / min. 60.676 m <sup>3</sup> (acc. to inland tonnage certificate)
Deck equipment	Bow push chair with rubber fender, 1 stern rubber fender, tyre fenders along sides, 2 manually operated 25 tons coupling winches on aft deck, 1 main towing bitt with 1 towing hook and underneath bitt 1 Panama type rope guide, 1 manually operated drum type bow anchor winch, 1 mechanically lowerable mast
Aux. engines	In aft peak in steel sound insulated casing 1 generator set with make Mitsubishi 3 cylinder diesel engine, emission label none
Output	9 kVA (220/ 380V)
Bow thruster	None
Hydraulic powerpack(s)	Unit for lowerable mast, with electrically driven hydraulic pump and same for optional small 2nd steering position, see remark
Tank capacities	Fuel oil 8.0 m <sup>3</sup> Fresh water 1.0 m <sup>3</sup>
Accommodation	In forward below deck space 1 almost double size bed; spacious wheelhouse also in use as day-room with diner table and 1 kitchen block with sink and ceramic electric cooktop; in separate space accessible from deck 1 shower and toilet space
Heating/ climate systems	CV system with make Kabola gasoil type heater, built 2004; in wheelhouse 1 new make Mitsubishi split airco-unit
Nav./comm. equipment	3x VHF, river radar, auto pilot, rudder and turn angle indicator, echo sounder, AIS, remote controlled search light and blue day sign
Class	EU inland waters certificate for inland vessel as tugboat for EU zone 3 and 4 and rivers Rijn, Waal and Lek in the Netherlands, with push boat certificate appendix for inland waters in the Netherlands.
Remark	Available 1 dismountable small second wheelhouse with small scissor lift underneath (which can be fitted at foundation on top of main wheelhouse), still empty without further technical installations.









































