

# Doeve Brokers

## yachts & ships



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## Tug / Push boat 16.84 with ES-TRIN

**Sold**

price excl. VAT

<b>Dimensions (m)</b>	16.84 x 4.64 x 1.75	<b>Ref. no.</b>	231112
<b>Mooring</b>	Near Amsterdam, Netherlands	<b>Year</b>	1955
		<b>Material</b>	steel

### Vision Doeve Brokers

This tug and push boat is an impressive boat. With her heavy duty construction, this boat is designed to handle even the most demanding tasks on the water. The boat is in an excellent state of maintenance, both inside and outside. The beating heart of this tugboat is a powerful Caterpillar engine. On board the ship offers comfortable accommodations for the crew. The aft cabin is equipped with a 1-persons bed. The toilet is located in the deckhouse. The wheelhouse is equipped with all necessary navigation equipment. The fore cabin is well thought out, with two cabins under the wheelhouse, each with a single bed. The salon is spacious and has an open kitchen. This boat is equipped with, among other things, a tug bits, two coupling winches, a rubber push bow fender and a stern fender. In our opinion, a great opportunity to acquire this well-maintained boat.

## General information

<b>Yard:</b>	Van der Velden's Shipyard "Zwartewater", NL-Zwolle
<b>Rebuilt year:</b>	1994
<b>Hull shape:</b>	round bottom
<b>Hull material:</b>	steel
<b>Deck material:</b>	steel
<b>Superstructure material:</b>	steel
<b>Construction method:</b>	riveted and welded rubbing strake around bulwark around forward deckhouse deckhouse wide side decks (gunnels) Sturdy, heavily constructed 2 watertight bulkhead(s) push bow closed bollard cabinets
<b>Steering system:</b>	hydraulic wheel power steering A. van der Velden systems
<b>Windows:</b>	aluminium windows frames aluminium outside doors
<b>Displacement (approx.):</b>	maximum allowable displacement 76,574 m <sup>3</sup> displacement in empty condition 65,239 m <sup>3</sup> displacement 11,335 m <sup>3</sup>
<b>Ballast (approx.):</b>	3 metric tons steel
<b>Airdraft (approx.):</b>	4,20 m everything down
<b>Owner:</b>	Dutch owner
<b>Registration:</b>	Dutch registered B-registered Costs for the change of ownership and / eventually deletion are for purchasers amount.
<b>Colour / Paint System:</b>	orange hull white superstructure very well maintained see photographs last underwater treatment 09-2022
<b>Certificates:</b>	inland waterways certificated (TRIWV / ES-TRIN) zone 2 Netherlands zone 3 zone 4 Waal, Lek & NL Rhine valid until: 09-2029
<b>Suitable for / as:</b>	commercial shipping tug pushboat commercial shipping

	recreational vessel
	suitable for bigger waterways
<b>General information:</b>	Any transactions must be submitted to the client or owner of the vessel for approval. Until this approval has been granted, all offers made are entirely without obligation.
	Hand over in consultation.
<b>Additional information:</b>	The techniques used on board are commercial shipping quality.
	various rust sensitive places are made from stainless steel
	forepeak with chain locker
	tug
	pushing bow
	tug bits
	The relevant VAT will be due on the asking price if the vessel is purchased by a consumer or by a Dutch company (provided it concerns a Dutch seller). Sale at 0% VAT to a is eventually possible if the buyer meets the applicable VAT guidelines.
	Great vessel for cruising on the European canals and rivers.

## Technical information

<b>Enginepower:</b>	540 Hp 403 kW
<b>Engine brand:</b>	Caterpillar
<b>Revolutions:</b>	1800 RPM
<b>Engine model:</b>	3412
<b>Number of cylinders:</b>	V-12
<b>Construction year engine:</b>	1999
<b>Running hours (approx.):</b>	5700 on the hour counter (11-2023)
<b>Fuel:</b>	diesel
<b>Fuel tank (approx.):</b>	2x 1500 litre steel tank(s)
<b>Cooling system:</b>	closed box cooler dry exhaust insulated exhaust
<b>Propulsion:</b>	5 blade propeller greased lubrication of propeller shaft greasing device
<b>Gearbox:</b>	Reintjes WAF 360 hydraulic (1993) reduction/ratio 4,481:1
<b>Speed (approx.):</b>	20 km/hour top speed
<b>Heating:</b>	Kabola central heating on diesel
<b>Engine instruments:</b>	present alarm system
<b>Electricity system:</b>	24 / 230 Volt 230 Volt shore power connection
<b>Batteries:</b>	2x 180 Ah 2x 185 Ah
<b>Battery charger:</b>	Mastervolt Mass battery charger 24/40
<b>Genny:</b>	Hatz diesel genny 3,5 kVA

	3000 RPM
Fresh water tank (approx.):	1x 1500 litre
	steel tank(s)
	cemented tank(s)
Water pressure system:	electric water pump
Holding tank (approx.):	not present, enough space to build-in
Engineroom:	see photographs
	clean engineroom
	very well maintained
Bilge pump:	general service pump
	electric pump
	also deckwash pump
Gas system:	present
	Gas certificate
Additional information:	auxiliary engine with PTO for the hydraulic
	200 liter lubrication oil tank (approx.)
	spare propeller

## Accommodation

Interior:	see photographs
	mahogany finish
	very well maintained
Insulation:	available
Cabins:	3 cabins
Berth:	Portside cabin: 1x 1-pers
	Starboard cabin: 1x 1-pers
	Aft: 1x 1-pers
Toilet / Heads:	above water toilet
Galley:	L-shape galley
Cooker:	4-burner hob
	on gas
Fridge / Refrigerator:	present
	230 Volt
Freezer:	small ice compartment
Worktop:	plastic worktop
Washbasin:	stainless steel sink
Water tap:	cold running water
Headroom (approx.):	forward (approx.) 2,17 m
	cabins (approx.) 1,91 m
	wheelhouse (approx.) 1,97 m
	aftcabin (approx.) 1,74 m
	toilet (approx.) 1,66 m

## Navigation equipment

Navigation equipment:	Hoeker110 rate-of-turn indicator
	Furuno FA-150 Automatic Identification System (AIS)
	Furuno GP-32 GPS

Van der Velden RI 505 rudder indicator
Radio Holland RHRS-2005RC daylight radar
2x Sailor RT2048 VHF
search light
Seafarer 501 depth / echosounder
blue board with oscillating light
flashing light
navigation lights
horn
window wiper

## Rigging and sails

<b>Mast:</b>	radarmast & lantern mast aluminium
<b>Lowerable:</b>	yes manual

## Equipment

<b>Anchor equipment:</b>	manual anchor winch Klipp anchor anchor chain in hawse-hole warping drum
<b>Safety:</b>	life buoys life jackets fire extinguishers according to the certification requirements
<b>Additional information:</b>	2 coupling winch(es) aluminium gangway steering chair Survey report of the underwatership is available (09-2022)























