

Doeve Brokers/Valuurs vof  
 Sworn & EMCI Certificated Brokers  
 & Valuurs S&P Yachts & Ships

Westhavenkade 87c  
 NL-3133 AV Vlaardingen

Phone +31 (0)10 248 98 30  
 Mobile +31 (0)653 20 20 84

E-mail [info@doevemakelaar.nl](mailto:info@doevemakelaar.nl)  
 Website [www.doevemakelaar.nl](http://www.doevemakelaar.nl)  
[www.doeve.be](http://www.doeve.be)  
[www.doeve.fr](http://www.doeve.fr)

IBAN NL82 INGB 0664 0466 73  
 CoC Rotterdam 24266857  
 VAT NL8214.04.520.B01



## Tugboat Assistant with TRIWV

Dimensions (m)	16.13 x 4.10 x 1.80	Ref. no.	200204
Mooring	Near Utrecht, Netherlands	Year	1907
		Material	steel

### Vision Doeve Brokers

Inland navigation tugboat which is, after being released from professional shipping, used as a recreational vessel. A boat that is in the hands of real enthusiasts and that shows. She is in a very good condition and meets the applicable TRIWV certification requirements. In the front it is spacious with in there the galley, U-seat (2-persons sleeping place) and a shower. The wheelhouse has been enlarged in the past and that has increased the comfort very much. In the aft there is a double bed as well as cupboard space and a washbasin with warm and cold water. In the engine room is a beautiful 3-cylinder Stork Ricardo that when she runs is a pleasure to listen to and to cruise with. A beautiful boat for enthusiasts that is very welcome at many events.

## General information

<b>Yard:</b>	Shipyards De Toekomst, NL-Vrijenban
<b>Hull shape:</b>	round bilged
<b>Hull material:</b>	steel
<b>Deck material:</b>	steel
<b>Superstructure material:</b>	steel
<b>Construction method:</b>	riveted
	new steel is welded
	rubbing strake around
	bulwark around
	closed bollard cabinets
	forecabin
	aft cabin below
<b>Steering system:</b>	mechanical
	wheel
	steel rudder
<b>Windows:</b>	aluminium windows frames
<b>Displacement (approx.):</b>	maximum allowable displacement 63,882 m3
	displacement in empty condition 54,207 m3
	displacement 9,675 m3
<b>Ballast (approx.):</b>	concrete
	& gravel
<b>Airdraft (approx.):</b>	everything down 4,10 m
<b>Owner:</b>	Dutch owner
<b>Colour / Paint System:</b>	black hull
	green bulwark
	brown superstructure
	very well maintained
	see photographs
	last underwater treatment 04-2017
<b>Certificates:</b>	inland waterways certificated (TRIWW / ES-TRIN)
	zone 2 Netherlands
	zone 3
	zone 4
	Waal, Lek & NL Rhine
	valid until: 04-2024
<b>Suitable for / as:</b>	recreational vessel
	inland waterways
<b>General information:</b>	The ship is recognized as a Historic Vessel
	good sailing characteristics
<b>Additional information:</b>	classic lines
	beautiful sheer
	tug
	tug bits
	towing hook
	Great vessel for cruising on the European canals and rivers.

## Technical information

Enginepower:	141 Hp 103 kW
Engine brand:	Stork Ricardo
Revolutions:	650 RPM
Engine model:	BR 213 air started
Number of cylinders:	3
Construction year engine:	1962
Fuel:	diesel
Fuel tank (approx.):	1800 litre 2 steel tank(s)
Cooling system:	intercooling dry exhaust
Propulsion:	4 blade propeller greased lubrication of propeller shaft
Gearbox:	Brevo mechanical reduction/ratio 3:1
Speed (approx.):	12,5 km/hour cruising speed at 510 RPM
Bow thruster:	Kalkman electric bow thruster 24 Volt 12 Hp
Electricity system:	12 Volt 230 Volt shore power connection
Batteries:	2x 225 Ah domestic batterie(s) 2x 140 Ah domestic batterie(s)
Battery charger:	Mastervolt IVO battery charger 12/25-2
Genny:	portable Yanmar
Inverter:	Victron inverter 12/2000
Fresh water tank (approx.):	400 litre 1 steel tank(s) cemented tank(s)
Water pressure system:	electric water pump
Hot water system:	boiler/water calorifier (230 Volt)
Engineroom:	see photographs
Bilge pump:	present manual pump
Deck wash pump:	present
Gas system:	yes, bottle(s) in bottle box on deck Gas certificate
Additional information:	air compressor 2x air bottle

## Accommodation

Interior:	various materials have been used see photographs
Insulation:	for a large part
Cabins:	1 cabin

Berth:	Dinette: 1x 2-pers Aft: 1x 2-pers
Lay-out plan (not to scale):	see attachment
Bathroom:	shower cubicle thermostat tap Aft: washbasin with hot & cold running water
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:	stainless steel worktop
Washbasin:	stainless steel sink
Water tap:	hot & cold running water
Entertainment:	radio/CD player
Headroom (approx.):	foc's hole (approx.) 1,77 / 1,79 m wheelhouse (approx.) 1,97 m aftcabin (approx.) 1,75 m
Additional information:	inventory The vessel will be delivered as without the private goods like furniture, clothing, artwork and tools.

## Navigation equipment

Navigation equipment:	Eurofunk depth / echosounder Sailor RT144B VHF Em-Trak A100 Automatic Identification System (AIS) Standard Horizon HX 270E portable VHF blue board with oscillating light search light rudder indicator window wiper barometer clock thermometer horn ships bell
-----------------------	--

## Rigging and sails

Mast:	lantern mast pine
Lowerable:	yes manual

## Equipment

Anchor equipment:	manual anchor winch
	40 m anchor cable
	Klipp anchor
	in hawse-hole
	specified length(s) is/are approximate
Safety:	1 fire blanket
	1 carbon monoxide detector(s)
	1 gasdetector
	3 fire extinguishers
	3 life buoys
	3x inflatable life jackets
	according to the certification requirements
Additional information:	Survey report of the underwatership is available (04-2017)
	steering chair