

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

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Tugboat 20.52 with TRIWV

Dimensions (m)	20.52 x 5.08 x 1.77	Ref. no.	180401
Mooring	Near Rotterdam, Netherlands	Year	1930
		Material	steel

Vision Doeve Brokers

Former inland motor tug that is now equipped as a recreational vessel and is very suitable for residential use. The interior is very spacious for a tugboat and all rooms, except the wheelhouse and the engine room, are connected with each other. Equipped with a beautiful solid Kromhout engine that in 2006 really new (so not overhauled) was installed. In 2006, the boat has been converted very thoroughly. In 2017 the TRIWV certification was realized and this is valid until 09-2024. The external characteristics are still almost the same as when she was launched the first time, so therefore she is in our eyes eligible for a berth in almost every museum harbor.

General information

Yard:	Shipyard Gebr. Kooiman, NL-Zwijndrecht
Hull shape:	round bilged
Hull material:	steel
Deck material:	steel
Superstructure material:	steel
Construction method:	teak top side of the wheelhouse riveted rubbing strake around wide side decks (gunnels) bulwark around deckhouse 4 watertight bulkhead(s) 2 watertight door(s)
Keel:	bilge keels
Steering system:	manual hydraulic steering joystick
Windows:	teak wood window frames teak wooden outside doors
Displacement (approx.):	80 ton maximum allowable displacement 112,013 m3 displacement in empty condition 94,772 m3 displacement 17,241 m3
Ballast (approx.):	10 ton poured concrete
Airdraft (approx.):	5,00 m everything down
Owner:	Dutch owner
Registration:	B-registered Costs for the change of ownership and / eventually deletion are for purchasers amount.
Colour / Paint System:	see photographs one component system 2006 underwater ship and hull sandblasted two component system 09-2017 last underwatership treatment
Certificates:	inland waterways certificated (TRI WV / ES-TRIN) zone 2 Netherlands zone 3 zone 4 Waal, Lek & NL Rhine valid until: 09-2024
Suitable for / as:	suitable as a year round live- aboard suitable for bigger waterways inland waterways recreational vessel
General information:	The ship is recognized as a Historic Vessel
Additional information:	beautiful sheer Hull shape is suitable for drying out. spacious aftdeck forepeak with chain locker

tug

straight hull

tug bitts

towing hook

Great vessel for cruising on the European canals and rivers.

Technical information

Enginepower:	240 Hp 176 kW
Engine brand:	Kromhout
Revolutions:	1200 RPM
Engine model:	TV12
Number of cylinders:	V-12
Construction year engine:	1972, 2006 into operation
Running hours (approx.):	800
Fuel:	diesel 15 ltr/hrs consumption of the engine at cruising speed (as declared)
Fuel tank (approx.):	1x 800 litre 1x 1500 litre low level alarm sludge trap(s)
Cooling system:	intercooling dry exhaust insulated exhaust
Propulsion:	3 blade propeller greased lubrication of propeller shaft
Gearbox:	Dong II hydraulic (2006) reduction/ratio 4,5:1
Speed (approx.):	15 km/hour cruising speed at 1000 RPM
Heating:	ACV central heating on diesel
Bow thruster:	Duco electric bow thruster (2006) 400 Volt 11 kW
Electricity system:	12 / 24 / 230 / 400 Volt 400 Volt shore power connection
Batteries:	4x 230 Ah domestic batterie(s) (09-2017) 2x 165 Ah starter batterie(s) (09-2017) 1x 135 Ah starter batterie(s) generator (03-2017)
Battery charger:	1x BT systems battery charger 400 Volt-24 Volt, 120 Ah Victron Blue Smart battery charger 24/16 Victron Blue Smart battery charger 24/8 CTEK battery charger 12/8
Earth-leakage breaker:	present
Genny:	Perkins diesel (2006) 35 kVA 230/400 Volt, 1500 RPM 1950 running hours (approx.)
Inverter:	Victron Phoenix inverter 24/3000
Solar panels:	present

Fresh water tank (approx.):	1x 3000 litre
	steel tank(s)
	cemented tank(s)
Water pressure system:	hydrophore pump
Fresh water filter system:	fresh water filter system
Hot water system:	60 ltr boiler/water calorifier (230 Volt)
Holding tank (approx.):	400 litre
	stainless steel tank(s)
Engineroom:	see photographs
Bilge pump:	submersible pump
Deck wash pump:	electric pump
	230 Volt
Gas system:	no gas on board
Additional information:	spare propeller
	air compressor

Accommodation

Interior:	mahogany interior
	suitable for living on board
	see photographs
Insulation:	foamed insulation
Cabins:	1 cabin
Berth:	owners cabin: 1x 2-pers
	Dinette: 1x 2-pers
Lay-out plan (not to scale):	see attachment
Bathroom:	tiled bathroom
	jacuzzi
	shower
	washbasin with hot & cold running water
	in 1 area together with the toilet
Toilet / Heads:	electric toilet
Galley:	sideways
Cooker:	4-burner hob
	ceramic cooker
	cookerhood
	stainless steel
Oven:	Siemens microwave/oven
Fridge / Refrigerator:	present
	230 Volt
Freezer:	present
	230 Volt
Worktop:	plastic worktop
Washbasin:	stainless steel sink
Water tap:	hot & cold running water
Dishwasher:	Bosch dishwasher
Entertainment:	JVC radio/CD player
	2x flatscreen TV
Headroom (approx.):	wheelhouse (approx.) 1,97 m
	cabin (approx.) 1,80 m

	salon (approx.) 1,82 m
	bathroom (approx.) 2,16 m
	corridor / walkthrough (approx.) 1,66 m
	ownerscabin (approx.) 1,83 m
Additional information:	The vessel will be delivered as without the private goods like furniture, clothing, artwork and tools.
	washing machine
	tumble dryer
	infrared sauna

Navigation equipment

Navigation equipment:	Simrad EQ30 depth / echosounder
	Simrad CP30 GPS
	Sailor RT2048 VHF
	Sailor RT144C VHF
	Explorer A4 Automatic Identification System (AIS)
	laptop chartplotter
	compass
	rudder indicator
	blue board
	horn
	ships bell
	clinometer
	horn light
	navigation lights
	2x search light

Rigging and sails

Mast:	lantern mast
	wood
Lowerable:	yes
	manual

Equipment

Anchor equipment:	manual anchor winch with electric motor (400 Volt)
	2x Klipp anchor
	in hawse-hole
	2x 30 m anchor chain
	specified length(s) is/are approximate
Bimini:	bimini top above aftdeck
Dinghy:	present
Davits:	present
Safety:	fire extinguishers
	life buoys
	life jackets
	according to the certification requirements

bilge alarm

safe

Additional information:

Survey report of the underwatership is available (09-2017)

aluminium gangway