

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

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Tugboat 16.53 with TRIWV

Dimensions (m)	16.53 x 3.96 x 1.60	Ref. no.	190714
Mooring	Near Zwolle, Netherlands	Year	1945
		Material	steel

Vision Doeve Brokers

Tugboat with push bow which is certified with a TRIWV Rhine with which she can push cargo up to a max. of 100 m3 and a maximum of 750 m3 can be pushed on the EU zones 3 & 4 and zone 2 NL. The interior of the wheelhouse and in the front is neat and has a yacht quality. The techniques on board are all up to date and this boat is ready to be used immediately. In our eyes this boat is also very interesting for someone who does not want to use her professionally or maybe for somebody who wants to do a few commercial trips a year. In the front there are the salon, galley, bathroom and an open 2-persons bed. The wheelhouse is equipped with all necessary navigation equipment and a long bench. The solid main engine, whisper generator and central heating are installed in the engine room. The rear cabin is equipped with a double bed and a toilet. Highly recommended for, in our eyes, a reasonable asking price.

General information

Yard:	Shipyard Hellemans, B-Boom
Hull shape:	round bilged
Hull material:	steel
Deck material:	steel
Superstructure material:	steel
	hardwooden top side of the wheelhouse
Construction method:	riveted
	new steel is welded
	rubbing strake around
	bulwark around
	closed bollard cabinets
	forward deckhouse
	3 watertight bulkhead(s)
	Sturdy, heavily constructed
	push bow
Steering system:	hydraulic
	wheel
	& steering handle
Windows:	aluminium windows frames
	teak wooden outside doors
Displacement (approx.):	maximum allowable displacement 58,876 m3
	displacement in empty condition 45,244 m3
	displacement 13,632 m3
Airdraft (approx.):	3,05 m everything down
Owner:	Dutch owner
Registration:	Dutch registered
	B-registered
	Costs for the change of ownership and / eventually deletion are for purchasers amount.
Colour / Paint System:	black hull
	white superstructure
	see photographs
	very well maintained
	last underwatership treatment 09-2014
Certificates:	inland waterways certificated (TRI WV / ES-TRIN)
	zone R (Rhine)
	zone 2 Netherlands
	zone 3
	zone 4
	valid until: 09-2021
Suitable for / as:	commercial shipping
	inland waterways
	suitable for bigger waterways
	recreational vessel
Additional information:	The techniques used on board are commercial shipping quality.
	tug
	towing hook
	tug bitts

forepeak with chain locker

beautiful sheer

Great vessel for cruising on the European canals and rivers.

Technical information

Enginepower:	411 Hp 303 kW
Engine brand:	GM Detriot
Revolutions:	1800 RPM
Engine model:	12-VA-71
Number of cylinders:	V-12
Construction year engine:	1980
Overhaul engine:	1997 reconditioned
Running hours (approx.):	23500 on the hour counter
Fuel:	diesel
Fuel tank (approx.):	2x 1250 litre steel tank(s)
Cooling system:	BOBS overflowing fuel safety system intercooling dry exhaust insulated exhaust
Propulsion:	greased lubrication of propeller shaft greasing device
Gearbox:	Van Stigt
Heating:	Caminus central heating on diesel
Electricity system:	12 / 24 / 230 / 400 Volt 400 Volt shore power connection professionally installed system
Batteries:	2x 230 Ah 12 Volt starter batterie(s) 4x 430 Ah 6 Volt domestic batterie(s) 1x 80 Ah 12 Volt starter batterie(s) generator
Battery charger:	Mastervolt Mass battery charger 24/25 Mastervolt Mass combi inverter/charger 24/2000/60 Cemont Start 320.2 battery charger
Genny:	Hatz whisper set 15 kVA 230/400 Volt 1400 running hours (approx.)
Inverter:	Mastervolt Mass combi inverter/charger 24/2000/60 Mastervolt inverter 24-12 Volt
Fresh water tank (approx.):	present, content unknown
Water pressure system:	electric water pump
Hot water system:	boiler/water calorifier (230 Volt)
Holding tank (approx.):	1x 110 litre plastic tank(s)
Diesel waterseparator:	present
Gas system:	no gas on board
Additional information:	main engine with PTO for the hydraulic

Accommodation

Interior:	very well maintained
	various materials have been used
	see photographs
Insulation:	yes
Cabins:	2 cabins
Berth:	Forward: 1x 2-pers
	Aft: 1x 2-pers
Lay-out plan (not to scale):	see attachment
Bathroom:	shower
	thermostat tap
	in 1 area together with the toilet
	washbasin
	mixer tap with hot & cold running water
	Aft:
	washbasin
	cold running water
Toilet / Heads:	Forward:
	Vacuum flush toilet
	Aft:
	electric toilet
Galley:	L-shape galley
Cooker:	4-burner hob
	induction cooker
Microwave:	microwave
Fridge / Refrigerator:	Bosch fridge / refrigerator
	230 Volt
Freezer:	small ice compartment
Worktop:	formica worktop
Washbasin:	stainless steel sink
Water tap:	mixer tap with hot & cold running water
Entertainment:	radio/CD player
Headroom (approx.):	foc's hole (approx.) 2,18 m
	bathroom / toilet (approx.) 2,03 m
	cabin (approx) 2,39 / 1,59 m
	wheelhouse (approx.) 1,92 m
	aftcabin (approx.) 1,80 m
Additional information:	inventory
	coffee machine

Navigation equipment

Navigation equipment:	Alphatron R4094 rate-of-turn indicator
	Humminbird Wide 128 fishfinder
	Comnav Voyager X3 Automatic Identification System (AIS)
	rudder indicator
	horn
	river autopilot (follow-up steering)
	follow up steering

Debeg 6448 VHF
blue board with oscillating light
ELNA 4007/9 daylight radar
navigation lights
2x window wiper

Rigging and sails

Mast:	lantern mast
	wood
	& radarmast
	stainless steel
Lowerable:	yes

Equipment

Anchor equipment:	Forward:
	manual anchor winch
	Klipp anchor
	40 m anchor chain
	in hawse-hole
	Aft:
	electric anchor winch (400 Volt)
	Pool anchor
	48 m anchor cable
	specified length(s) is/are approximate
Searail / Pulpit:	searail on bulwark
Safety:	fire extinguishers
	life buoys
	according to the certification requirements
Additional information:	2 coupling winch(es)
	deck lights
	Survey report of the underwatership is available (09-2014)
	welding machine