

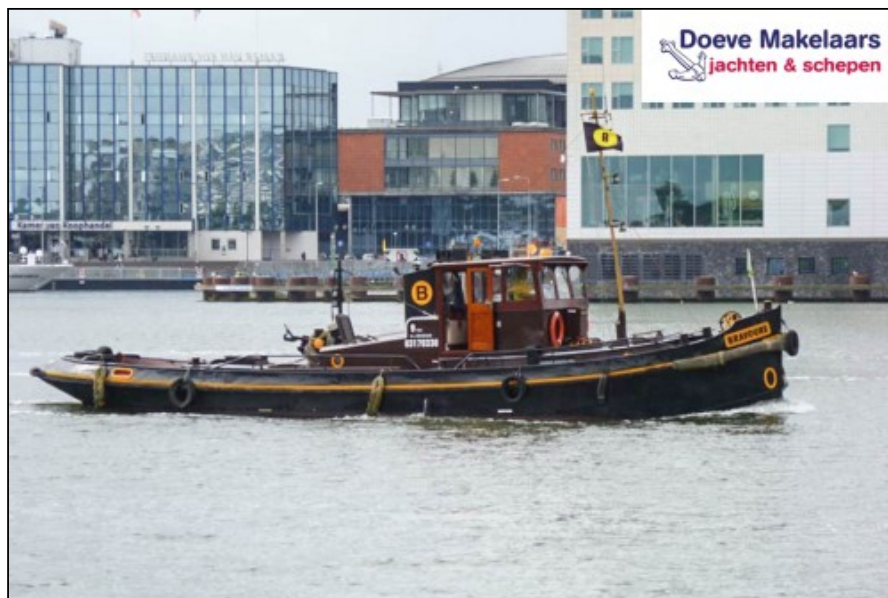
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## Tugboat Bravoure with TRIWV

Dimensions (m)	16.99 x 4.42 x 1.65	Ref. no.	210702
Mooring	Near Amsterdam, Netherlands	Year	1929
		Material	steel

### Vision Doeve Brokers

Inland motor tug that is certified as a commercial boat and therefore can still be used professionally. It is of course also possible to change the current TRIWV / ES-TRIN certificate into a recreation certificate. It is a nicely lined tug that is equipped with a very spacious forepeak with an U-bench with table, desk and galley in the front. The wheelhouse is spacious and in the aft is the toilet room and the 2 persons berth. The engine room is equipped with a very solid Kromhout 3 cylinder diesel with a Brevo gearbox behind it. There is a central heating available. The boat is available immediately for using commercially or as a pleasure craft.

## General information

<b>Yard:</b>	Shipyard Gebr. Paans, NL-Roodevaart
<b>Hull shape:</b>	round bilged
<b>Hull material:</b>	steel
<b>Deck material:</b>	steel
<b>Superstructure material:</b>	steel
	hardwooden top side of the wheelhouse
<b>Construction method:</b>	riveted
	new steel is welded
	bulwark around
	rubbing strake around
	wide side decks (gunnels)
	forward deckhouse
	deckhouse
<b>Steering system:</b>	mechanical
	wheel
	balance rudder
	steel rudder
<b>Windows:</b>	hardwood outside doors
	rubber window frames
	portholes
<b>Displacement (approx.):</b>	maximum allowable displacement 70,627 m3
	displacement in empty condition 61,395 m3
	displacement 9,232 m3
<b>Ballast (approx.):</b>	1 ballast tank(s)
	2 m3
	& poured concrete
<b>Airdraft (approx.):</b>	3,40 m
<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>	black hull
	black bulwark
	brown superstructure
	see photographs
	last underwater treatment 03-2018
<b>Certificates:</b>	inland waterways certificated (TRI WV / ES-TRIN)
	zone 2 Netherlands
	zone 3
	zone 4
	Waal, Lek & NL Rhine
	valid until: 10-2025
<b>Suitable for / as:</b>	commercial shipping
	& recreational vessel
	tug
<b>Additional information:</b>	tug bits
	towing hook

spacious aftdeck

forepeak with chain locker

Great vessel for cruising on the European canals and rivers.

## Technical information

Enginepower:	210 Hp 154 kW
Engine brand:	Kromhout
Revolutions:	750 RPM
Engine model:	3-F-240
Number of cylinders:	3
Construction year engine:	1954
Running hours (approx.):	unknown
Fuel:	diesel
Fuel tank (approx.):	1x 600 litre 1x 1200 litre 1x 250 litre
	steel tank(s) sludge trap(s)
Cooling system:	intercooling dry exhaust insulated exhaust
Propulsion:	4 blade propeller greased lubrication of propeller shaft greasing device
Gearbox:	Brevo hydraulic reduction/ratio 2,5:1
Heating:	Somy central heating on diesel & Somy stove on diesel
Electricity system:	12 / 230 Volt 230 Volt shore power connection
Batteries:	2x 180 Ah
Battery charger:	present
Genny:	Lombardini / Mase 3,5 kW 230 Volt 3000 RPM
Fresh water tank (approx.):	1x 600 litre steel tank(s)
Water pressure system:	electric water pump footswitch
Bilge pump:	present
Gas system:	present Gas certificate
Additional information:	60 liter lubrication oil tank (approx.) spare propeller

## Accommodation

Interior:	various materials have been used see photographs
Insulation:	partly
Cabins:	1 cabin
Berth:	Aft: 1x 2-pers
Lay-out plan (not to scale):	see attachment
Toilet / Heads:	hand pump toilet
Galley:	L-shape galley
Cooker:	4-burner hob on gas
Fridge / Refrigerator:	Electrolux fridge / refrigerator 12/230 Volt/Gas
Freezer:	small ice compartment
Worktop:	stainless steel worktop & formica worktop
Washbasin:	stainless steel sink
Water tap:	cold water foot pump (electric)
Headroom (approx.):	fo'c's hole (approx.) 1,84 m wheelhouse (approx.) 1,85 m aftcabin (approx.) 1,55 m

## Navigation equipment

Navigation equipment:	Sailor RT144C VHF Debeg 6448 VHF Explorer A4 Automatic Identification System (AIS) Seafarer 800 depth / echosounder laptop & Stentec chartplotter rudder indicator blue board compass search light horn flashing light 2x window wiper ships bell navigation lights radio / CD
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## Rigging and sails

Mast:	lantern mast aluminium
Lowerable:	yes manual

## Equipment

Anchor equipment:	manual anchor winch
	Klipp anchor
	anchor chain
	in hawse-hole
Davits:	with boom
Safety:	fire extinguishers
	life buoys
	life jackets
	according to the certification requirements
Additional information:	gasdetector
	steering chair
	Survey report of the underwatership is available (03-2018)
	2x skylight