



"HARMONIE" | Inland push / tugboat

Classification / Flag:

Flag / homeport	Dutch, Vreeswijk
Year of built	1922, complete refit in 2016
Classification	S.I. zone 1,2,3 & 4 inland and zone 2 at sea.

Dimensions:

Length O.A.	22,05 meters
Beam / width	5,20 meters
Depth at sides	2,50 meters
Draft (min. – max.)	2,05 – 2,25 meters
Air draft	4,20 meters
Viewing height	3,80 meters

Tank capacities / Transfer:

Fuel oil / gasoil	19.500 liters
Fresh water	4.500 liters
Lube oil	450 liters
Dirty oil	450 liters
Ballast tank	3.500 liters
Transfer of fuel oil	20 m ³ /hr
Transfer of fresh water	15 m ³ /hr

Navigation & Radio:

Radar, AIS, GPS compass, Autopilot, Rudder indicator, GPS, VHF, Echo sounder, Handheld (ICOM) and ECDIS

Machinery / Performances:

Bollard pull	9,5 tons
Max speed	10,0 knots
Main engines	Mitsubishi S6R MPTAW <i>Year built: 2016</i>
Total output	820 BHP
Gearbox	Masson W3450 <i>Year built: 2016</i>
Propulsion	Fixed propeller in nozzle
Rudders	2x Kooiman fishtail
Bow thruster	40 kW
Generator sets	1x Lister and 1x Mitsubishi
Generator power	1x 22 kVA, 1x 14 kVA, 220/380V

Deck Equipment:

Towing hook	Yes, manual operated
Coupling winches	Yes, 2x hydraulic operated
Push bow	Rubber Fender
Anchor winch	Fwd: anchor and 40m chain Aft: anchor and 70m steel wire
Air compressor	10 CBM/hr

Accommodation:

Facilities	4 berths
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