State-of-the-art, reliable, optimised performance

Since the foundation in 1918, MULLER has been building on expertise, reliability and inventiveness in the maritime business. With specialised marine equipment, we can offer you a tailored fit competitive towage service for your specific needs. MULLER performs core activities such as Harbour assistance, Coastal & Deep-sea towage, salvage and Heavy-lift & Transport. MULLER is owner of its own inland & seagoing tugs up to 70 tons BP, seagoing ballastable heavy-lift pontoons to 16,500 tons DWT, it’s own harbour and yard in Dordrecht. Our crew is the driving element behind all those resources, with knowhow, no-nonsense mentality, experienced and utmost dedication to offer extensive support to the offshore and marine industry.

20 TON BOLLARD PULL
harbour and seagoing tug

If your transport seems impossible. Our job is just gettin' started.
EN AVANT 7
harbour and seagoing tug

GENERAL INFORMATION
Year of construction 1981 (Refurbished 2003)
Builder Damen Shipyards Gorinchem
Build type Damen Stantug Mk 4
Class Bureau Veritas
Classification I

HULL
• MACH Tug Unrestricted
Navigation • AUT-UMS (SS)
Class Register nr 87C057
National Authorities Dutch Shipping Inspection 200nm coastal continuous service
Flag Netherlands
Call sign PBE
IMO 7625483
Port of registry Dordrecht

MAIN PARTICULARS
Length o.a. 22.50 m
Breadth o.a. 6.80 m
Maximum draught 3.10 m
Air draught 15.50m / 8,80 m (lowered mast)
Gross tonnage 108 T
Nett tonnage 32 T

PERFORMANCES
Bollard Pull max 20,0 tons
Speed 12,5 knots

PROPULSION SYSTEM
Main engines 2 x MAN type D2842 LE 412
Total power 1,600 hp (1176 kW) at 1800 rpm
Gearboxes 2 x ZF-Masson ZFW3200 / 4.077:1
Type of propulsion 2 x fixed pitch propellers
Propellers 2 x 1380 mm
Nozzles De Waal

AUXILIARY EQUIPMENT
Generator sets 2 x John Deere / Stamford
Capacity 63.3 kVA each 50Hz, 230/400 V
Fuel separator Alfa Laval type
Internal FiFi system CO₂ in the engine room

DECK LAYOUT
Anchor 2 x 180 kg Pool (T.W.)
Chain 17,5mm - 110 m short link
Anchor winch Kraaijeveld, electric, 2T - 10m/min
Towing winch Kraaijeveld, hydraulic, 20T - 20m/min
- Brake holding force 50T
- Towing wire 600m - ø30mm - MBL 628 kN
Steel wire galvanised 6x36WS IWRC RHOL 1960N/mm
Capstan EMCE, electric, 1,5T - 14m/min, remote controlled
Sternumroller fixed + towing pins

TANK CAPACITIES
Fuel Oil (MGO) 52,50 m³
Fresh Water 6,40 m³
Bilge Water 2,00 m³
Lub Oil 1,00 m³
Hydraulic Oil 1,00 m³
Water Ballast 4,00 m³

ACCOMMODATION
Heated and air-conditioned living spaces for 5 persons, consisting of a galley, mess room and sanitary facilities on the main deck, captain's cabin, 1st officer cabin, C.E cabin and a double crew cabin below deck.

NAUTICAL & COMMUNICATION EQUIPMENT
GMDS area A2 equipped
Searchlights Seematz 1000W
Compass, Magnetic
Compass, Gyro
Radar system, sea Furuno FR 2110
Radar system, inland Alphatron IMA 608
GPS Leica Mk10
Autopilot Radio Holland Seapilot 75
Echo sounder Fishfinder 300
VHF Radio Telephone 2 x Icom IC GM1500E
VHF Handheld 2 x Sailor RM 2100, 25 Watt
Navtex Furuno NAV-NX500
AIS FA-150
Communication Inmarsat C - SSB - Phone

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