



**31 TON
BOLLARD PULL**
harbour and seagoing tug

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.



EN AVANT 9

harbour and seagoing tug



GENERAL INFORMATION

Year of construction	2000
Builder	Damen Shipyards Gorinchem
Build type	Damen Stantug 2207
Class	Bureau Veritas
Classification	I ✱ HULL • MACH Tug Unrestricted Navigation • AUT-UMS
Class Register nr	87C057
National Authorities	Dutch Shipping Inspection 200nm coastal continuous service
Flag	Netherlands
Call sign	PDAC
IMO	9163910
Port of registry	Dordrecht

MAIN PARTICULARS

Length o.a.	22.50 m
Breadth o.a.	7.20 m
Maximum draught	3.60 m
Air draught	23.50 m / 9,00 m (lowered mast)
Gross tonnage	134 T
Nett tonnage	40 T

PERFORMANCES

Bollard Pull max	31,0 tons
Speed	12,0 knots

PROPULSION SYSTEM

Main engines	2x CAT Type 3508B DI-TA
Total power	2.100 hp (1566 kW) at 1600 rpm
Gearboxes	2 x Reintjes WAF 663 / 5.571:1
Type of propulsion	2x Kaplan II fixed pitch propellers
Propellers	2 x 1900 mm
Nozzles	Backing nozzles

AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar 3304B NA/SR4
Capacity	63 kVA each 50Hz, 230/400 V
Fuel separator	Alfa Laval type
Internal FiFi system	CO ₂ in the engine room

DECK LAY-OUT

Anchor	2 x 135 kg Pool (H.H.P.)
Chain	17,5mm - 247,5 m short link
Anchor winch	Damen parts, electric, 2T - 10m/min Vertical warping head
Towing winch	Brusselle, hydraulic, 16T - 5,8m/min
- Brake holding force	40T
- Towing wire	650m - ø 36mm - MBL 904 kN Steel wire galvanised 6x36WS IWRC RHOL 1960N/mm
Capstan winch	Brusselle, hydraulic, 4T - 30m/min

TANK CAPACITIES

Fuel Oil (MGO)	35,50 m ³
Fresh Water	9,20 m ³
Lub Oil	1,20 m ³
Dirty Oil	1,50 m ³
Water Ballast	17,70 m ³
Black Water	1,20 m ³

ACCOMODATION

Heated and air-conditioned living spaces for 6 persons, consisting of a galley and mess room, captain's cabin on the main deck, a 1st officer cabin, one double crew cabins, a C.E. cabin and sanitary facilities below deck.

NAUTICAL & COMMUNICATION EQUIPMENT

GMDSS area	A2 equipped
Searchlights	2 x PESCH 1000W
Compass	1 x Kotter type / 1 x gyro compass
Radar system	Furuno FR8051
GPS	Furuno GP - 80
Autopilot	Navitron NT951G
Echo sounder	Furuno FCV-600L
VHF Radio Telephone	2 x Sailor RT2048, 25 Watt
VHF Handheld	Furuno & Jotron
Navtex	Furuno NAV-NX500
AIS	FA-150 (Class A)
Communication	VSAT - Inmarsat C - SSB - Phone

CONTACT DETAILS

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