



**9,50m**  
**viewheight**  
Tug&pushboat

**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, sea-going 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.



## SIRIUS

Tug&pushboat  
Icebreaker



### GENERAL INFORMATION

Ex name(s)	Alfons-W. Sr., Res Nova
Year of construction	19-05-1966
Builder	Scheepswerf "Voorwaarts", W-Graftdijk
Build type	Tug, Yard no. 422
Classification	Inland navigation, Cert. for Rhine, ADNR
National Authorities	IVW
IVW number	251
Flag	Netherlands
Call sign	PE4661
ENI nr	03110622
FD nr	FD65352
MMSI	244051000
Port of registry	Dordrecht

### MAIN PARTICULARS

Length o.a.	23.23 m
Breadth o.a.	6.35 m
Minimum draught	2.30 m
Maximum draught	2.70 m
Viewing height	9.50 m
Air draft	5.50 m (min sailing height)
Displacement	155.7 m <sup>3</sup> (max.) 130.6 m <sup>3</sup> (with empty tanks)

### PERFORMANCES

Free sailing speed	19 km/h
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### PROPULSION SYSTEM

Main engines	1 x CAT Type 3512 DITA
Total power	1170 hp (787 kW) at 1800 rpm
Gearboxes	1 x Masson RDS 571
Type of propulsion	1 x Single fixed screw
Propellers	1 x 1700 mm
Nozzles	none (open screw)

### AUXILIARY EQUIPMENT

Generator sets	1 x IVECO Type 8031 I 0605 A500
Capacity	35 kVA

### DECK LAY-OUT

Anchor (aft-ship)	1 x 1217 kg Schmitt Anchor Type "SHH-FB" (LR appr.)
Wire aft anchor	1 x 60mtr ø24mm diameter steel wire MBL 402kN
Anchor (fore-ship)	2 x 513kg Heuss-Spezial Anchor Type Klipp (GL appr.)
Chain fore anchor	2 x 40mtr ø22mm diameter anchor chain
Coupling winch	2 x hydraulic coupling winch
Towing hook	1 x Mampaey towing hook, disc-type

### TANK CAPACITIES

Fuel Oil (MGO)	22,20 m <sup>3</sup>
Day tank (MGO)	0,6 m <sup>3</sup>
Fresh Water	2,80 m <sup>3</sup>
Lub Oil	0,60 m <sup>3</sup>
Ballast Water	9,80 m <sup>3</sup>

### ACCOMODATION

Heated and air-conditioned living spaces for 4 persons, consisting of a galley and mess room, workshop and sanitary facilities on main deck, captain's cabin and a helmsman's cabin on the below deck, one double crew cabins on the below deck.

### NAUTICAL EQUIPMENT

AIS, GPS, radar, curve indicator, VHF, Digital Navigation programs

### CONTACT DETAILS

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