WID TUG 2915 HYBRID®
“FREGATE”

GENERAL
Yardnumber: 571766 (Damen Shipyards Hardinxveld)
Delivery date: May 2018
Basic functions: Towing, mooring, pushing, Water Injection Dredging
Classification: Bureau Veritas

I ✈ HULL, ● MACH Tug Unrestricted
Navigation AUT UMS, FIFI 1, IWS, Green Passport
Flag: French
Owner: Dutch Dredging De Boer & Iskes

PICTURE
OF SIMILAR VESSEL

GENERAL
Yardnumber: 571766 (Damen Shipyards Hardinxveld)
Delivery date: May 2018
Basic functions: Towing, mooring, pushing, Water Injection Dredging
Classification: Bureau Veritas

I ✈ HULL, ● MACH Tug Unrestricted
Navigation AUT UMS, FIFI 1, IWS, Green Passport
Flag: French
Owner: Dutch Dredging De Boer & Iskes

DIMENSIONS
Length overall: 29.2 m
Beam overall: 15.04 m
Depth at sides: 5.50 m
Draught Max: 5.10 m
WID Depth Max.: 10.5 m
Displacement: 577 t

TANK CAPACITIES
Fuel oil: 118.0 m³
Fresh Water: 40.0 m³
Lubrication oil: 7.7 m³
Used oil: 8.0 m³
Sewage: 7.0 m³
Bilge water: 7.0 m³
Foam: 25.0 m³

PERFORMANCES
Bollard pull max: 41.3 t
Speed: 12.2 kn

PROPELLATION SYSTEM
Main engines: 2x Caterpillar Type 3512C
Total Power: 2850 kW @ 1600 rpm
Main Power Generators: 2x 1058 kW @ 690 VAC 50Hz
Propulsion: 2x Veth Azimuth Thrusters
E-Motors Thrusters: 2x 400 kW @ 690 VAC 60Hz
Diameter: 2x 2100mm Veth
Bow thruster: 1x Veth VT240 tunnel, 200 kW @ 1500 rpm, 980mm prop.

ENGINEROOM EQUIPMENT
Generator Sets: 1x Caterpillar C7.1, 150 eKW, 188 kVA, 50 Hz, 400VAC
Solar Panels: 8 pc. for loading batteries

DECK LAYOUT
Anchor: 2x 430 kg HHP
Anchor Winch: 2x Electric separate winches
Deck Crane: 1x HS Marine AK30 HE2, 2.0 ton(m) @ 9.21m

ELECTRICAL EQUIPMENT
Generator Sets: 1x Caterpillar C-04.4, 107 kW, 50Hz, 230/400V AC
Solar Panels: 8 pc. for loading batteries

WATER INJECTION TUG (WIT)

Water Injection Dredging: Equipment for water injection dredging

SECONDARY SHIP SYSTEMS
WID Pumps: 2x BP6055LD, 5200 m³/hr @ 2 bar
E-Motor WID Pumps: 2x 340 kW @ 690 VAC 60Hz
Compressor: 1x ATLAS COPCO GA132 MAS-7,5-60, 132kW

ACCOMMODATION
Accommodation: up to 7 persons, completely insulated and finished with durable modern linings, sound absorbing ceiling in the wheelhouse and floating floors. Air-conditioned wheelhouse, accommodation and switchboard room. Accommodation above main deck with a captain’s cabin, 3 officer cabins, 2 double crew cabin, pantry, mess/dayroom and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT (GMDSS A3)
Searchlight: 2x Pesch 2000 W
Sea Radar System: 1x Furuno FAR-2117
River Radar System: 1x RHRS-2014
Magnetic Compass: 1x Cassens & Platth
Gyro Compass: 1x Anschütz Compact 22
Autopilot: 1x Simrad AP-70
GPS: 1x Furuno GP-170
Echosounder: 1x Furuno FE800
VHF Radio Telephone: 2x Thrane & Thrane Sailor RT6222
VHF Hand-Held: 2x Jotron, Tron TR-30
Navtex: 1x Furuno NX-700 A
AIS: 1x Furuno FA-170
Intercom: 1x Vingtor
SSB: 1x Thrane & Thrane Sailor 6310
Ecdis (Solas Approved): 2x Furuno FMD 3100
Meteo System: 1x Obisitter OMC115
INMARSAT-C: 1x Thrane & Thrane, Sailor 6110
TV-System: 1x RR Electronic Delta 32