GENERAL
Yard number 515001
Delivery date April 2018
Basic functions Towing and mooring
Classification Bureau Veritas
Owner Damen Marine Services
Flag The Netherlands

DIMENSIONS
Length overall 24.73 m
Beam overall 13.13 m
Depth at sides 4.95 m
Draught aft 5.50 m
Displacement 525 t

TANK CAPACITIES
Fuel oil 77.4 m³
Fresh water 10.2 m³
Bilge water 6.0 m³
Sewage 6.0 m³
Dirty oil 2.5 m³
Lubrication oil 2.5 m³

PERFORMANCES
Bollard pull ahead 75.3 t
Bollard pull astern 71.2 t
Speed ahead 13.0 kn
Speed astern 12.8 kn

PROPELLION SYSTEM
Main engines 2x MTU 16V 4000 M63L
Total power 4480 bhp (6008 bhp) at 1800 rpm
Thrusters Rolls Royce US 255
Propeller diameter 2700 mm
Forced ventilation 60,000 m³/h

AUXILIARY EQUIPMENT
Generator set 2x Caterpillar C4.4 TA, 81 kVA, 400/230 V, 50 Hz
General service pumps 2x Azcue GA 50/3A 20 m³/h at 2.35 bar
Bilge pump Azcue CA 32/0.5 3.6 m³/h at 1.1 bar
Fuel pump Azcue BR-41-10 3 m³/h at 1 bar
Fuel oil purifier 2x CJC, PTU3 3x FA/BLA 27/27, 1920 l/h each
Cooling system Closed box cooling system
Fresh water pressure set Sterling AOHA HBK 111
Hydraulic system Main engine driven pumps

DECK LAY-OUT
Anchor 1x 360 kg Pool (High Holding Power)
Anchor winch Electric 10 m/min
Towing winch Hydraulically driven split drum 31 ton pull up to 11 m/min, reduced pull up to 38 m/min, 175 ton brake
Fendering Cylinder + block bow fender, D-fender side/aft

ACCOMMODATION
For 4 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, chief engineer’s cabin, one double crew cabin, pantry, mess/dayroom and sanitary facilities. The superstructure is mounted resiliently to reduce noise levels.

NAUTICAL AND COMMUNICATION EQUIPMENT
Searchlight 1x Norselight, 2000 W
Radar system 1x Furuno FAR-1518-BB
Compass Cassens & Plath Reflecta 11
Autopilot Simrad AP-70
Satellite compass/GPS Simrad GN70/HS80A
Echosounder Furuno FE-800
Speed log Furuno DS-80
VHF 2x Sailor 6222
VHF hand-held Jotron TR-20
Navtex Furuno NX-700
AIS Furuno FA-170
EPIRB Jotron Tron-60S
SART Jotron Tronsat20
Anemometer Gill Instruments GMX 500
VSAT Intellian v60G

REVERSED STERN DRIVE TUG 2513
“INNOVATION”
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