GENERAL
Yard number 512531
Delivery date February 2017
Basic functions Push-pull, escorting, towing and fire-fighting operations
Classification I - HULL • MACH Escort Tug
Unrestricted Navigation AUT UMS IWS
Fire Fighting Ship 1 (2400 m³/h)
Flag The Netherlands
Owner Sleepdienst B. Iskes & ZN B.V.

DIMENSIONS
Length overall 32.70 m
Beam overall 12.82 m
Depth at sides 5.35 m
Draft aft 5.53 m
Displacement 793 t

TANK CAPACITIES
Fuel oil 132.6 m³
Fresh water 15.2 m³
Sewage 5.2 m³
Lubrication oil 4.8 m³
Sludge 2.5 m³
Bilge water 6.8 m³
Foam 10.4 m³

PERFORMANCES
Bollard pull ahead 82.5 t
Bollard pull astern 76.1 t
Speed ahead 14.1 kn
Speed astern 14.0 kn

PROPELLION SYSTEM
Main engines 2x Caterpillar 3516C HD+ TA/D
Total Power 5050 kW (6772 bhp) at 1800 rpm
Thrusters 2x Rolls Royce US 255 P30 FP Special
Propeller 2800 mm Fixed Pitch
Forced ventilation 20.000/40.000 m³/h

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AUXILIARY EQUIPMENT
Generator sets 2x Caterpillar C6.6 TA, 230/400 V, 125 kVA, 50 Hz
Bilge pumps 2x Sterling AKHA 6101, each 34 m³/h
Fuel pumps Sterling AKHA 5101 and AOHA 3101
Cooling system Box cooling + anti-growth system
Fresh water pressure set Sterling HBK 111 / AOHA 3101
Hydraulic system Main engine driven pumps
FiFi set Fire-fighting pump (FiFi 1 2400 m³/h) driven by independent fixed mounted diesel engine combined with foam mixer
FiFi monitor 2x 1200 m³/h water and 2x 300 m³/h foam

DECK LAY-OUT
Anchor 2x 495 kg Pool (High Holding Power)
Anchor/towing winch Hydraulically driven double drum winch, two speed winch, pull 38 ton at 12 m/min at second layer, 200 ton brake
Capstan 5 ton at 15 m/min, electrically driven
Crane Heila HLRM 20-35 + winch MW 22
Towing hook aft Mampaey SWL 100 ton
Towing winch aft Hydraulically driven single drum winch with spooling device and warping head, pull 38 ton at 12 m/min at second layer and 200 ton brake
Fendering D-fender at sides, cylinder fender at transom corners, cylinder bow fender with waterspray

ACCOMMODATION
For 10 persons, insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT
Searchlights 2x 450 W Xenon
Radar system 1x Furuno FAR-2117 with 19” screen and 4 ft scanner
GPS 1x Furuno FAR 2117 with 19” screen and 6.5 ft scanner
Echosounder Furuno FE-800
VHF 2x Sailor Compact 6222
VHF hand-held 2x Jotron Tron TR-20
VHF Motorola DM4401
UHF hand-held 2x Motorola DPA4401 DP
NAVTEX Furuno NX-700A
Speed log Furuno DS-80
AIS Furuno FA-150
Inmarsat 2 Furuno Felcom 18 (one with DSC)
SSB Furuno FS-1575
EPIRB Jotron Tron-40B
Sart Jotron Tron Sar 20
GSM telephone booster Rosenvelt RF EW 13-F
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