



MULTI CAT® 3515

“AUXILIA”

GENERAL

Yard number	571793
Delivery date	August 2019
Basic functions	Anchor handling, dredger service, supply, towing, hose handling and survey
Classification	Bureau Veritas I ✳ Hull Offshore support vessel Tug50 Anchor Handling Vessel • Mach AUT-UMS, Green Passport, Clean ship Dutch Shipping Inspectorate (IL&T): Unrestricted service Dutch
Nat. Authorities	
Flag	Dutch

DIMENSIONS

Length overall	34.65 m
Length molded	32.50 m
Beam overall	14.50 m
Beam molded	15.40 m
Depth at sides (1/2 L)	3.83 m
Draught Aft @ 170 t DWT (divided into F.O. and T.W)	± 2.80 m
Max Draft (98% Condition)	± 3.15 m
Gross Tonnage	497 GT
Max DWT tanks	298 t
Free Deck Space	275 m ²

TANK CAPACITIES

Fuel oil	178.0 m ³
Black/grey water	8.8 m ³
Fresh water	37.0 m ³
Dirty oil	5.1 m ³
Hydraulic oil	5.1 m ³
Lube oil	5.8 m ³
Bilge water	5.9 m ³
Technical water	170.0 m ³

PERFORMANCES

Sustained bollard pull	50.8 t
Maximum static bollard pull	51.0 t
Speed	11.0 kn

PROPULSION SYSTEM

Main engines	3x Caterpillar C32 TTA
Total Power	2910 bkW (3902 bhp) at 1800 rpm
Gearboxes	3x Reintjes WAF 675L, ratio 7.091 : 1
Propulsion	3x Promarin FPP
Diameter	2000 mm in Optima nozzles
Bow thruster	Electrically driven 400 kW (540pk) @ 1500rpm

ELECTRICAL EQUIPMENT

Generator sets	2x Caterpillar C07.1, 187,5 kVA / 150 ekW, 400V, 50Hz each 1x Caterpillar C32, 1037,5 kVA / 830 ekW, 400V, 50Hz
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DECK LAY-OUT

Anchor	2x 430 kg Pool TW (HHP) (one spare)
Chain	24 mm stud-link anchor chain 275 m
Anchor winch	Kraaijeveld, hydraulically driven
Deck crane	2x HS marine AKC 850/18 HE3 55 ton(m) @ 10.35m; 27,67 ton (m) @ 18.59 m
Anchor handling winch	Kraaijeveld KA-30/4-H-TR, (1000m Ø64mm)
Capacity	200 ton at 6.6 m/min pulling force (1st layer) 125 ton at 10.5 m/min pulling force (1st layer) 46 ton at 28 m/min pulling force (1st layer) 250 ton brake holding force (1st layer)
Towing winch	Kraaijeveld KA-20/2-H-TR, (1000m Ø48mm)
Capacity	100 ton at 8,5 m/min pulling force (1st layer) 45 ton at 16 m/min pulling force (1st layer) 200 ton brake holding force (1st layer)
Tugger winches	2x Dromec HPV12000 12 ton at 4,5m/min,
Towing pins fore	Karmoy, Karm fork 160t SWL + chain stopper 300t,
Towing pins aft	WK Hydraulics triple pin type 75t SWL + chain stopper 100t SWL
A-Frame	40T SWL with two hoisting points

SECONDARY SHIP SYSTEMS

Hydraulic power	Electrical driven with three E-motors 178kW, and two 75kW
Fuel Oil separator	Westfalia OCT 2
Air compressor	Alup SCK 30-10 screwtype + air dryer

ACCOMMODATION

Heated and air conditioned living spaces for 12 persons, consisting of a captain's cabin, officer's cabin, five double crew/passenger cabins, a galley/mess, sanitary facilities, a laundry room and stores.

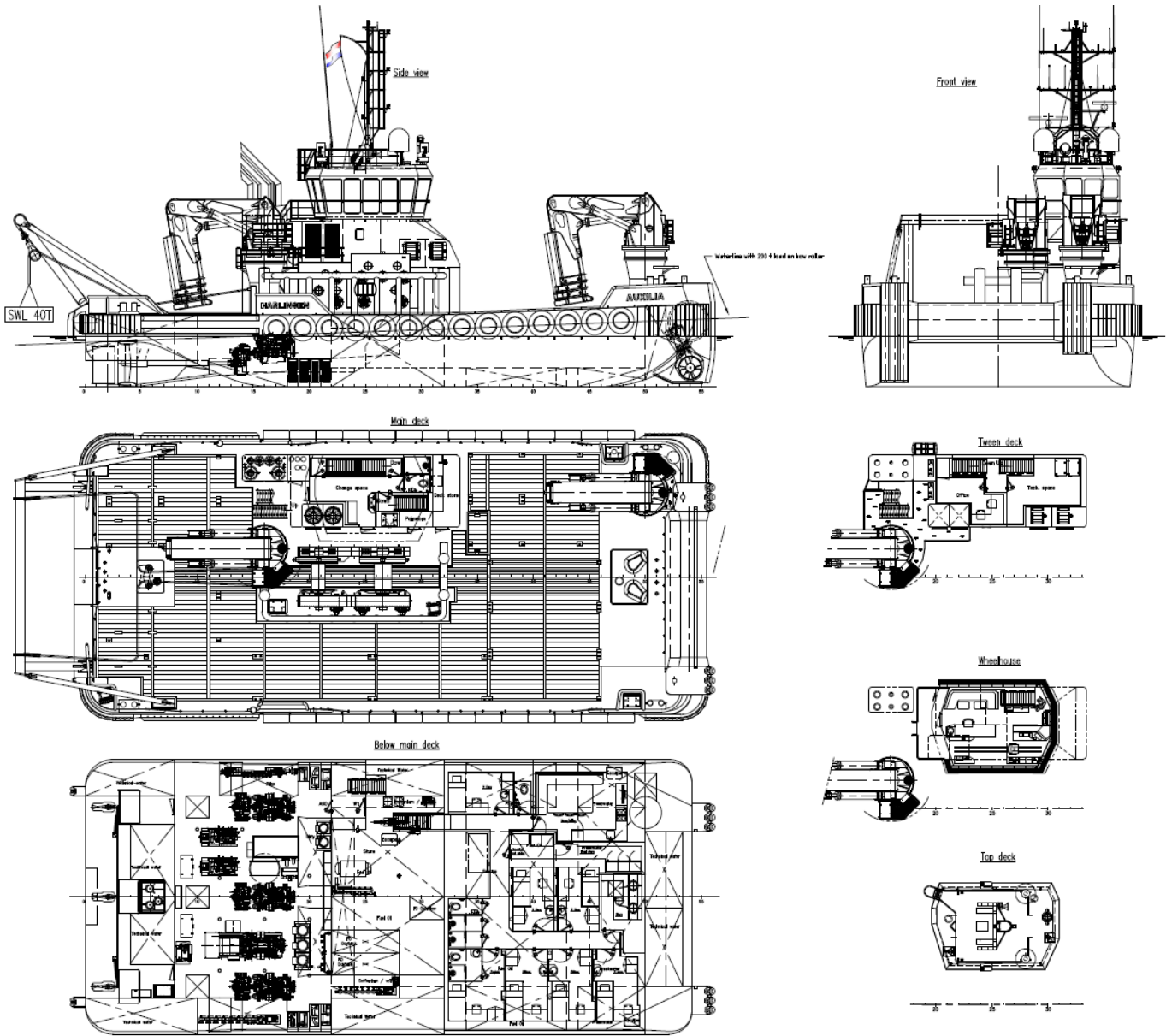
NAUTICAL AND COMMUNICATION EQUIPMENT (GMDSS A4)

Search Lights	2x Pesch 2000 W
Radar system	1x Furuno, FAR 1518 BB; 1x Furuno, FR 8065
Compass	1x Cassens & Plat, Reflecta 1
Gyro compass	1x Anschutz, Standard 22
Echosounder	1x Furuno, FE-800
Speedlog	1x Skipper EML-224
GPS	1x Furuno, SC-70
ECDIS Chart system	1x Furuno FMD3100, dual, class approved
Autopilot	1x Sea pilot 76
VHF	2x Sailor, RT6222
Handheld VHF	2x TR-30
SSB	2x Thrane & Thrane 6018
Inmarsat - C	1x Thrane & Thrane Sailor 6310
Navtex	1x Furuno, NX-700
AIS	1x Furuno, FA-170
Watch alarm	1x Furuno BR-500
Intercom	1x Phonetech CIS-3101
Entertainment system	1x V-Sat, Cobham Sailor 800
TV System	1x Seatel 80 TV
Stand-alone PC	1x 2x 19" screen 1 for Survey 1 for computer

DAMEN

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