



AZIMUTH TRACTOR DRIVE TUG 2412

"BUFFALO"

GENERAL

Yard number	545019
Delivery date	January 2018
Basic functions	Towing and mooring
Classification	Lloyd's Register * 100 A1 Escort Tug [✳] LMC UMS IWS
Flag	Malta
Owner	Kotug Smit Towage

DIMENSIONS

Length overall	24.74 m
Beam overall	12.63 m
Depth at sides	4.60 m
Draught	5.85 m
Displacement	490 t

TANK CAPACITIES

Fuel oil	71.4 m ³
Fresh water	8.0 m ³
Lubrication oil	7.0 m ³
Bilge water	5.9 m ³
Dirty oil	3.0 m ³
Sewage	3.5 m ³

PERFORMANCES

Bollard pull	72.3 t
Speed ahead	12.5 kn
Speed astern	12.7 kn

PROPULSION SYSTEM

Main engines	2x Caterpillar 3516C TA HD+ / D
Total power	4200 bkW (5632 bhp) at 1600 rpm
Azimuth thrusters	Rolls Royce US 255 FP
Slipping clutches	Rolls Royce 'built in' type
Propeller diameter	2700 mm
Forced ventilation	60.000 m ³ /h

AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C4.4 TA, 230/400 V, 86 kVA, 50 Hz
Bilge/general service pumps	2x Sterling AKHA 5101, 20 m ³ /h each
Fuel oil pump	Sterling R35/25, 2.1 m ³ /h
Fuel oil filters	2x Coalester filters incl. water separator
Fuel oil purifiers	2x CJC PTU3 27/81 MZ – EZ PWZ
Sewage pump	Libellula L1-3H, 6.6 m ³ /h
Cooling system	Box cooling + anti-growth system
Hydraulic system	One main engine driven pump on each main engine

DECK LAY-OUT

Anchors	2x 360 kg Pool (High Holding Power)
Anchor winch	Electrically driven 10 m/min incl. vertical warping head
Towing winch aft	Hydraulically driven split drum 31 ton pull at 11 m/min, reduced pull up to 39 m/min, 175 ton brake
Fendering	Cylinder + block stern fender, D-fender side/fore

ACCOMMODATION

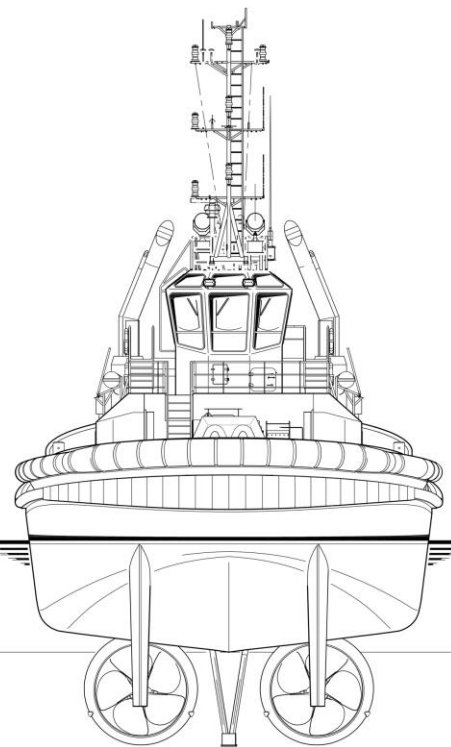
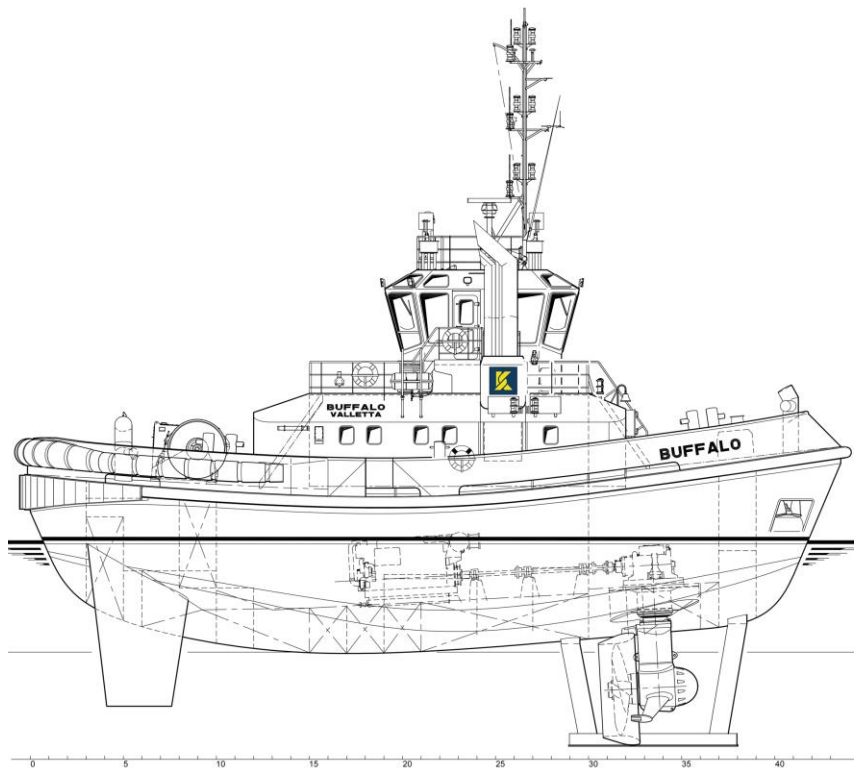
For 4 persons, completely insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floor and air-conditioned. Accommodation above main deck with a captain's cabin, chief engineer's cabin, one double crew cabin, galley, mess/dayroom and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

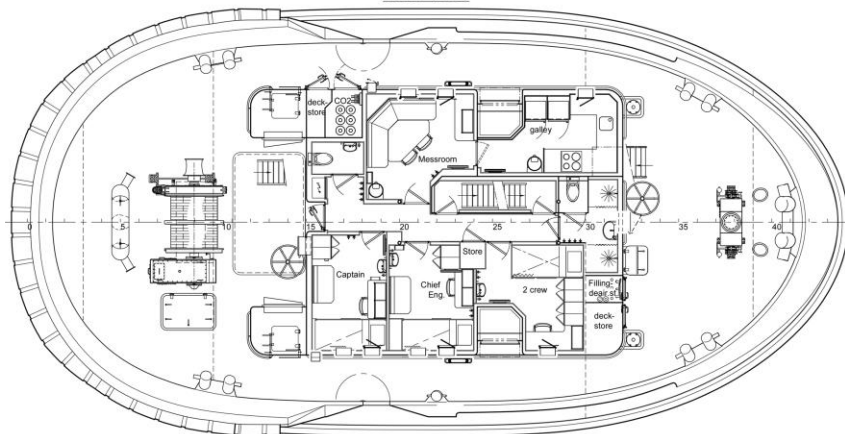
Searchlights	2x Norselight 2000 W
Radar system	Furuno FAR 2117
Compass	Cassens & Plath, type Kotter
Autopilot	Simrad AP-70
GPS	Furuno GP-170
Echosounder	Furuno FE-800
VHF radio telephone	2x Sailor Compact 6222, 25 W
VHF hand-held	2x Jotron TRON TR-20, GMDSS approved
SSB	Furuno FS-1575
AIS	Furuno FA-150
Navtex	Furuno NX-700A
EPIRB	Jotron TRON-60S
Sart	Jotron Tronsart20

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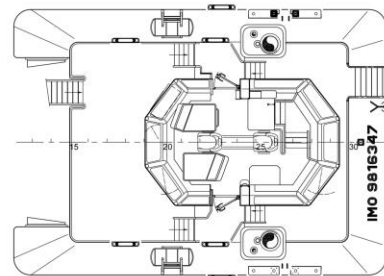
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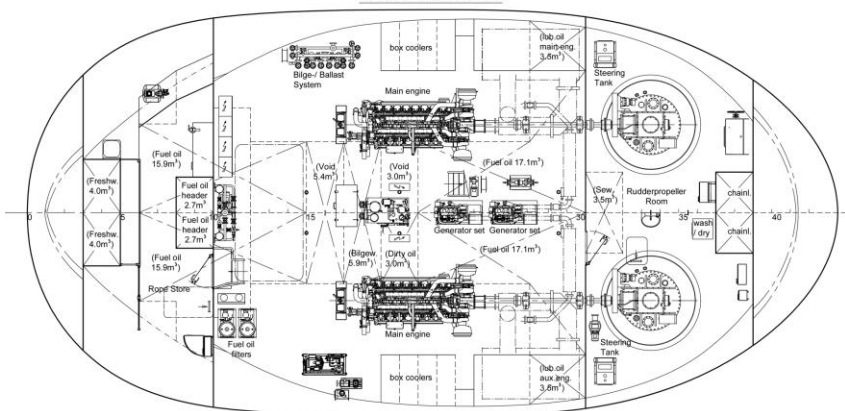
Main deck



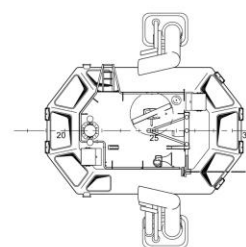
Bridge deck



Below Main deck



Top deck



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