



# AZIMUTH STERN DRIVE TUG 3212

## "MAGNI"

### GENERAL

Yard number	512565
Delivery date	January 2020
Basic functions	Push-pull, escorting, towing and fire-fighting operations
Classification	Lloyd's Register ✱ 100 A1 Escort Tug (bollard pull = 85t) ✱ LMC UMS IWS Fire-fighting ship 1 with water spray Green passport EU ECO
Flag	Iceland
Owner	Associated Icelandic Ports Ltd.

### DIMENSIONS

Length overall	32.70 m
Beam overall	12.82 m
Depth at sides	5.35 m
Draught aft	5.90 m
Displacement (98% consumables)	800 t

### TANK CAPACITIES

Fuel oil	148.3 m <sup>3</sup>
Fresh water	15.4 m <sup>3</sup>
Sewage	5.1 m <sup>3</sup>
Clean lubrication oil	7.8 m <sup>3</sup>
Dirty lubrication oil	6.5 m <sup>3</sup>
Bilge water	6.5 m <sup>3</sup>
Foam	12.3 m <sup>3</sup>
Dispersant	5.1 m <sup>3</sup>

### PERFORMANCES

Bollard pull ahead	85.5 t
Bollard pull astern	84.2 t
Speed ahead	14.0 kn
Speed astern	13.7 kn

### PROPULSION SYSTEM

Main engines	2x Caterpillar 3516C HD TA/D
Total power	5050 bkW (6772 bhp) at 1800 rpm
Thrusters	2x Rolls Royce US 255 P30 FP
Propeller	3000 mm fixed pitch
Forced ventilation	20.000/40.000 m <sup>3</sup> /h

### AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C4.4 TA, 400 V, 107 kVA, 50 Hz
General service pumps	2x Azcue CA-50/3A 20 m <sup>3</sup> /h each
Bilge pump	Azcue CA-32/0.5 3.6 m <sup>3</sup> /h
Fuel pump	Azcue CA40-1B 12 m <sup>3</sup> /h
Cooling system	Box cooling + anti-growth system
Fresh water pressure set	Azcue MO-19/10
Fuel oil purifier	2x CJC PTU3 27/81 MZ-E2PWZ, 1920 l/h each
Sewage treatment plant	Selmar Blue Sea 2500
Hydraulic system	Main engine driven pumps
Oil pollution control	Dispersant pumpset with 2 spraybooms
Fifi set	Main engine driven pump 2400 m <sup>3</sup> /h FIFI 1 with water spray
Fifi monitor	2x 1200 m <sup>3</sup> /h, water/foam

### DECK LAY-OUT

Anchor	2x 430 kg Pool (High Holding Power)
Anchor winches	2x Electric 10 m/min
Rendering/recovery winch	Pull/low speed 30 ton up to 27 m/min on 2 <sup>nd</sup> layer, pull/high speed 30 ton up to 44 m/min on 2 <sup>nd</sup> layer, rendering 112 ton up to 82 m/min on 2 <sup>nd</sup> layer, 200 ton brake
Capstan fore	Electrically driven, 5 ton at 15 m/min
Capstan aft	Electrically driven, 5 ton at 15 m/min
Crane	Heila HLM 20-3S with winch
Towing hook aft	Mampaey SWL 100 ton
Towing winch aft	Hydraulically driven single drum two speed winch with spooling device and warping head, high pull/low speed 31 ton up to 12 m/min, slack rope speed up to 39 m/min, 200 ton brake
Fendering	D-fender at sides, cylindrical fender at transom corners, cylindrical bow fender with water spray

### ACCOMMODATION

For 8 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store and sanitary facilities.

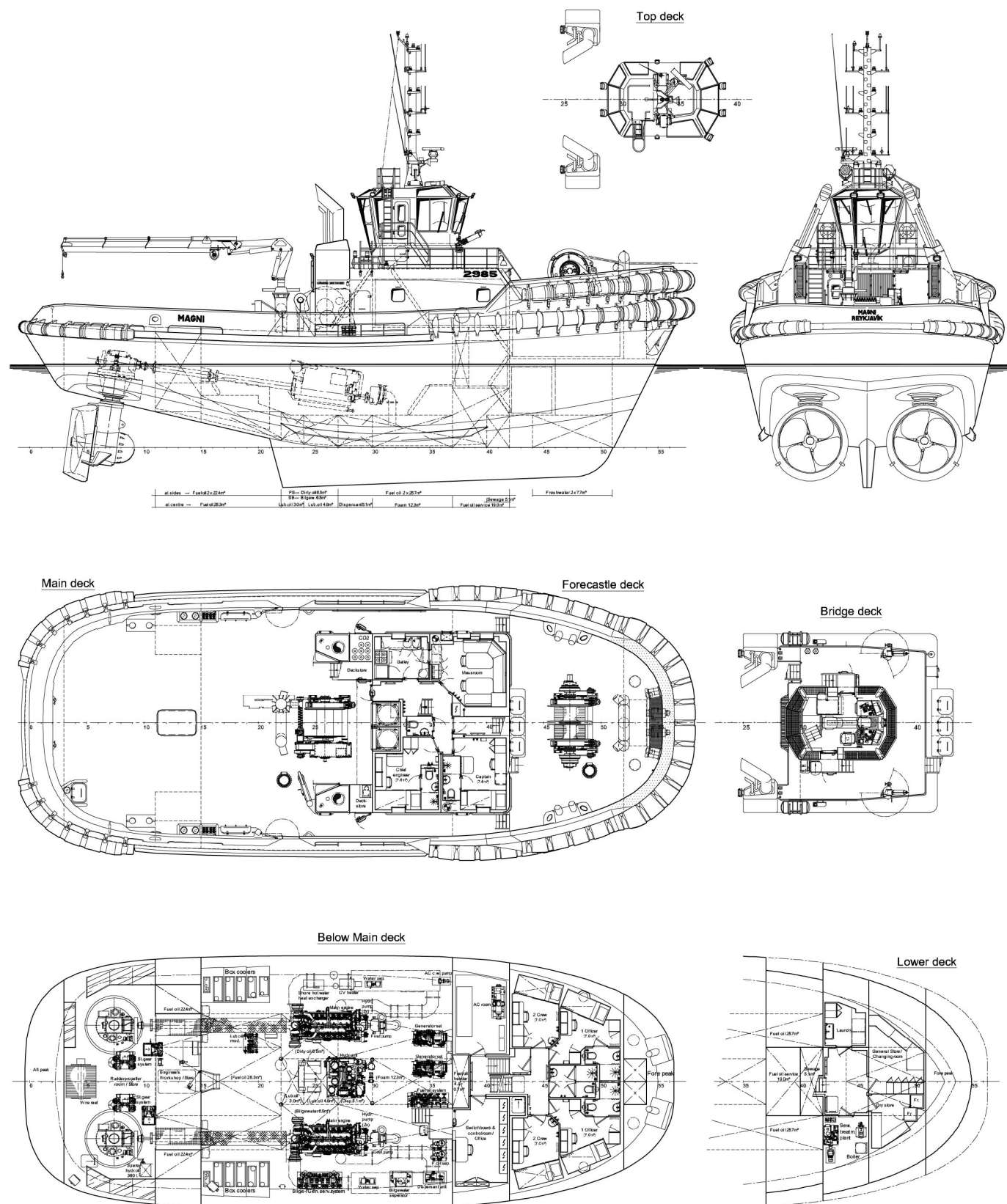
### NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlights	2x Den Haan DHR300 RCB 230W
Radar system	Furuno FAR-1518-BB
Compass	Cassens & Plath Reflecta type 11
Satellite compass/GPS	Simrad GN70/HS80A
Autopilot	Simrad AP-70
Echosounder	Furuno FE-800
Speed log	Furuno DS-80
VHF	2x Sailor 6222 + 2x hand-held Jotron TRON TR-20
UHF	Sailor 3965 UHF
Navtex	Furuno NX-700B
AIS	Furuno FA-170
SSB	Furuno FS-1575
LRIT	Furuno Felcom 19
EPIRB	Jotron Tron-60S
Sart	Jotron Tron Sart20
Anemometer	Gill Instruments GMX500

# DAMEN

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