

KLASCO TOWAGE ASSISTANCE


www.towage-klasco.lt

ASD ICE TUG “KLASCO-3”

IMO Nr.: 9729154, Call sign: LY3438, MMSI: 277542000



MAIN PARTICULARS

BUILDER	Damen Shipyard Gorinchem/ The Netherlands
TYPE	ASD (Azimuth Stern Drive ®) TUG 2810 ICE
ICE CLASS (FOR HULL AND THRUSTERS)	IA / Navigation in severe ice conditions
YEAR OF BUILT	2015 July
VESSEL'S REGISTER	Lithuanian Register of Seagoing Ships (EU)
CLASSIFICATION SOCIETY	RINA Netherlands B.V.
TUGS CLASS NOTATION	C  ESCORT TUG, FIRE-FIGHTING SHIP; SPECIAL NAVIGATION; AUT-UMS; ICE CLASS 1A
NAVIGATION AREA	Baltic Sea: 200 n.m. from the place of refuge
GMDSS AREA	A2
FLAG	Lithuania (EU)
GRT	293 t
LENGTH over all	28,67 m
BREADTH over all	10,43 m
DRAFT max operational	4,8 m
BOLLARD PULL max.	60 t
MAX SPEED / SERVICE SPEED	14 / up to 13 knots
ACCOMMODATION	Suited to accommodate 7-8 persons: 1- Captain's single-cabin, 1- Chief engineer's single-cabin, 1x2- Navigator's double-cabin, 1 x2- engineer's double-cabin, 1x2 - Seamen's double-cabin.

ENGINES, THRUSTERS

MAIN DIESEL ENGINES	2 x “Caterpillar” 31516 C-HD TA/C: C Rating (High displacement/ Heavy Duty/ TA); 1865 kW / rpm 1600.
TOTAL POWER	3730 kW / 5000 bhp
AUXILIARY DIESEL ENGINES FOR GENERATORS	2 x “Caterpillar” CAT C 4.4 TA: 107 kWt 230/400 V-50 Hz.
DIESEL ENGINE FOR FIRE-FIGHTING PUMPS	1 x “Caterpillar” C-18 Acert + Fi-Fi pump: Q=1400 m ³ /h

SPARK ARRESTERS	5 (For all engines)
THRUSTERS	2 x ASD ICE "Rolls Royce" Aquamaster US 255: Propeller D-2.4 m / 5 blades / stern ice knives.
COOLING SYSTEM	Fully closed-loop: Keel Cooling channels.

NAUTICAL / COMMUNICATION / SAFETY AND RESCUE EQUIPMENT	
RADAR (AIS + ARPA FUNC.)	Furuno, FAR-2117 B with 17 inch LCD
MAGNETIC COMPASS	Cassens and Plath GmbH, Reflecta 1 / Kotter
SATELLITE COMPASS	Furuno, SC-50
AUTOPILOT	Anschuetz, Pilotstar D
WHF/DSC	Thrane & Thrane, Sailor Compact 6222
AIS	Furuno, UAIS FA-150
GPS NAVIGATOR	Furuno, GP-170
NAVTEX	Furuno, NX-700
EPIRB	Jotron, Tron 60S
SART	Jotron, Tron 40S
INMARSAT	Furuno, Felcom-18, IC-218
BRIDGE NAVIGATION WACH ALARM SYSTEM (BNWAS)	Praxisis
INTERCOM	Jotron, Intercom 3101
ECHO-SOUNDER	Furuno, FE-700
CART-PLOTTER	FURUNO NavNet TZtouch2 TZTL15F ECDIS, With included all maps of Baltic Sea and ports C-MAP
SEARCHLIGHTS ADJUSTABLE FROM BRIDGE	2 x 360 ° / Pesch x 1000 W
LIFE RAFTS	2 x "Viking" for 10 persons each
FIRE DRAIN PUMPS	2 x 25 m ³ /h
MOBILE DYSEL FIRE FIGHTING PUMP	1 x 35 m ³ /h
FIREFIGHTING ACTIVE PROTECTION SYSTEM FI-FI 1	Powered by 1 x "Caterpillar" C-18 Acert: Water pumps: 1 x Q=1400 m ³ /h / 11 bar; 2 x monitors: throw L _{max} = 120 m / H _{max} = 45 m;
FOAM CONCENTRATE	Foam tank 1 = 4400 m ³ ; Fully filled with foam super concentrate: Fomtec AFFF 1% F. (ILO / EN 1568-3) http://www.fomtec.com

TOWING AND OTHER EQUIPMENT	
TOWING / ANCHORING ESCORT WINCH FWR	DMT Marine Equipment: 2 x drum / 2 x floating Dyneema [®] ropes: D – 56 mm / L – 150 m / MBL – 190 t; Winch brake holding force – 150 t; 2 speeds, with emergency towing rope release; Escorting function / Break force control.
TOWING / MOORING WINCH AFT	DMT Marine Equipment: 1 x drum with 1 x floating Dyneema [®] rope: D – 70 mm / L – 350 m / MBL – 195 t; Winch brake holding force – 150 t; 2 speeds, with emergency towing rope release.
CAPSTAN AFT	SWL – 5 t.
ANCHORS WITH STEEL CHAINS	2 x 360 kg. Pool (high holding power anchors); Chain lengths 140 m. per anchor. D-19mm, Q2 class quality.
TOWING HOOK AFT TOWING HOOK FWR	SWL – 70 t, with hydraulic emergency release from bridge and manual release locally.
HYDRAULIC DECK CRANE	Heila HLM 10-3S: reach L= 11 m / SWL up to 1 t.
LNG + OXYGEN MONITORING DETECTORS ON BOARD	Microtector II G450 www.gfgeurope.com
FHD VIDEO – AUDIO RECORDING	FWR + AFT video capture for service execution process and temporary storage to HD
Wi-Fi / E-mail	tugs@klasco.lt

GENERAL ARRANGEMENT PLAN ASD ICE TUG "KLASCO-3"

