

# KLASCO TOWAGE ASSISTANCE

[www.towage-klasco.lt](http://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)	ARC 4
YEAR OF BUILT	2015 July
VESSEL'S REGISTER	Lithuanian Register of Seagoing Ships (EU)
CLASSIFICATION SOCIETY	RMRS
TUGS CLASS NOTATION	KM ⚓ ARC 4 R1 AUTI ESCORT TUG FF3WS
NAVIGATION AREA	A1+A2+A3
GMDSS AREA	R1, Baltic Sea
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	7 persons in offshore / 11 person at port or inland waters

## 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 <sup>3</sup> /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.

<b>NAUTICAL / COMMUNICATION / SAFETY AND RESCUE EQUIPMENT</b>	
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, NaviSailor 3000 ECDIS, With included all maps of Baltic Sea and ports C-MAP Jeppesen
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 <sup>3</sup> /h
MOBILE DYSEL FIRE FIGHTING PUMP	1 x 35 m <sup>3</sup> /h
FIREFIGHTING ACTIVE PROTECTION SYSTEM FI-FI 1	Powered by 1 x "Caterpillar" C-18 Acert: Water pumps: 1 x Q=1400 m <sup>3</sup> /h / 11 bar; 2 x monitors: throw L <sub>max</sub> = 120 m / H <sub>max</sub> = 45 m;
FOAM CONCENTRATE	Foam tank 1 = 4400 m <sup>3</sup> ; Fully filled with foam super concentrate: Fomtec AFFF 1% F . ( ILO / EN 1568-3 ) <a href="http://www.fomtec.com">http://www.fomtec.com</a>

<b>TOWING AND OTHER EQUIPMENT</b>	
TOWING / ANCHORING ESCORT WINCH FWR	DMT Marine Equipment: 2 x drum / 2 x floating Dyneema <sup>®</sup> 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 <sup>®</sup> 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 <a href="http://www.gfgeurope.com">www.gfgeurope.com</a>
FHD VIDEO - AUDIO RECORDING	FWR + AFT video capture for service execution process and temporary storage to HD

# GENERAL ARRANGEMENT PLAN ASD ICE TUG "KLASCO-3"

