


## SAYAN Lord / Kazanin Explorer – UT 722 LX - AHTS

General	
Design	UT 722 LX
Built	Langstein Norway
Delivered	2003
IMO	9272436
Call Sign	UBVU8
ERN	99,99,99
Flag	Russian Federation
Port of Reg	Murmansk



Class
<p> <input checked="" type="checkbox"/> HULL <input checked="" type="checkbox"/> MACH Offshore support vessel ( Oil recovery ; Supply ; Tug ; Fire-fighting 1 )            Unrestricted navigation COMF-NOISE 3 , COMF-VIB 3 , <input checked="" type="checkbox"/> AUT-UMS , CLEANSHIP SUPER            ICECLASS 1D , <input checked="" type="checkbox"/> DYNAPOS AM/AT R , SDS         </p>

Dimension	Deck Capacities
Length overall: 87.70 m	Cargo deck (max): 551m <sup>2</sup> (36,4 x 15,3)
LPP: 76.00m	Deck Capacity: 1000MT (VCG 1m)
Breadth moulded: 18.00 m	Deck Strength: 10 MT/m <sup>2</sup> / 5 MT/m <sup>2</sup>
Depth main Deck: 8.00 m	Accommodation for 31 persons
Maximum draught: 6,612 m	9 x 1-man cabin
DWT at max draught: 3,117 tons	11 x 2-man cabin
GRT 3905	
NRT 1181	

Power and Propulsion	
2 x Bergen 4.500 kW/6035 Bhp (B32:40L9P) 2 x Bergen 3.000 kW /4023Bhp (B32:40L6P) Total installed power 17082kW / 22907BHP	Thrusters: 1 x Tunnel thrusters forward 883 kW 1 x Azimuth thruster forward 883 kW 2 x Tunnel thrusters aft 883 kW
1 x Aux gen 809kW 1070 kVA - 60Hz 1 x Aux gen 1272kW 750 kVA - 60Hz 1 x Emer gen 105 kVA - 60Hz 2 x Shaft generators 3200 kVA	2 x CPP in fixed nozzles, Dia 4100mm 2 x High lift flap rudders
Bollard Pull: 220/237 TBP	Max Speed 17,7 kts

Disclaimer: Details believed to be correct but without guarantee. Last updated November 2020

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Anchor Handling Equipment	
6 chain lockers, each of 140m3, total 840m3 6x 1550m length of 76 mm 6x 1300m length of 84 mm 6x 1000m length of 90 mm	Cable Lifters: 2 x 76mm, 2 x 84mm, 1x 90mm, 1 x 95mm, 1 x 105mm, 1 x 114mm
Split Roller: L 2x 3m Dia 3,5m – SWL 500t Tugger winch: 2 x 20mt pull 0-21m/min Capstans: 2 x 15mt pull / 60m Smith Bracket: 2 x 500t	Shark Jaws: 2x 750t. Karm Fork ø 450mm Inserts: 65/80/90/102/125 mm. Pop up pins: 2x 95t

BRATTVAAG towing / anchor handling winch BSL500WX/SL400W of waterfall type	
1 drum: 1,500 mm dia. x 3,900 mm length + 1,100 mm socket. Wire capacity: 5,020 m of 84mm Wire capacity: 4340 m of 90mm Fiber capacity: 1260 m of 165 mm  Brake hold on first layer 625t Hoisting on first layer: 400t at 0-15 m/min. Dynamic braking on first layer: 100-500 t at 0-30 m/min	1 drum: 2,800 mm dia. x 3,900 mm length + 1,100 mm socket.- Wire capacity: 8339m of 83mm Wire capacity: 6547m of 90mm Fiber capacity: 1902m of 165 mm  Brake hold on first layer 550t Hoisting on first layer: 500t at 0-18 m/min. Dynamic braking on first layer: 125-625 t at 0-24 m/min

4 off BRATTVAAG Secondary winch type ALM63125U	
Drum dia 1,5m x 3,7m length + 1,1m length special compartment Wire Capacity: 4x 4000 m of 76mm, max weight 100 tonnes on drum Wire Capacity: 4x 2976 m of 90mm, max weight 100 tonnes on drum Fiber Capacity: 4x 2000 m of 165mm Fiber Capacity: 4x 1300 m of 203 mm + 300m in socket compartment	
Pull: 1st 138 tonnes @ 0 - 22 m/min	Static break: 1st 150 tonnes
Dynamic braking: 170tonnes @ 0 - 44 m/min	

Deck Equipment	
2x deck crane: 15t/10m 10t/15m 1x Pallfinger-crane starboard aft: 1x(0,80t/14,4m/5,7t/2,8m) 1x(0,80t/16,8m/4,86t/4,4m) 4x 20t Deck cargo securing winches cargo rail	Tugger winches: 2x 20t pull at 0-21m/min. Capstans: 2x 15t at 0-22 m/min. light line at 0-70 m/m Towing pins: 4 hydraulic units, rated for 8 inch capacity, SWL 330t

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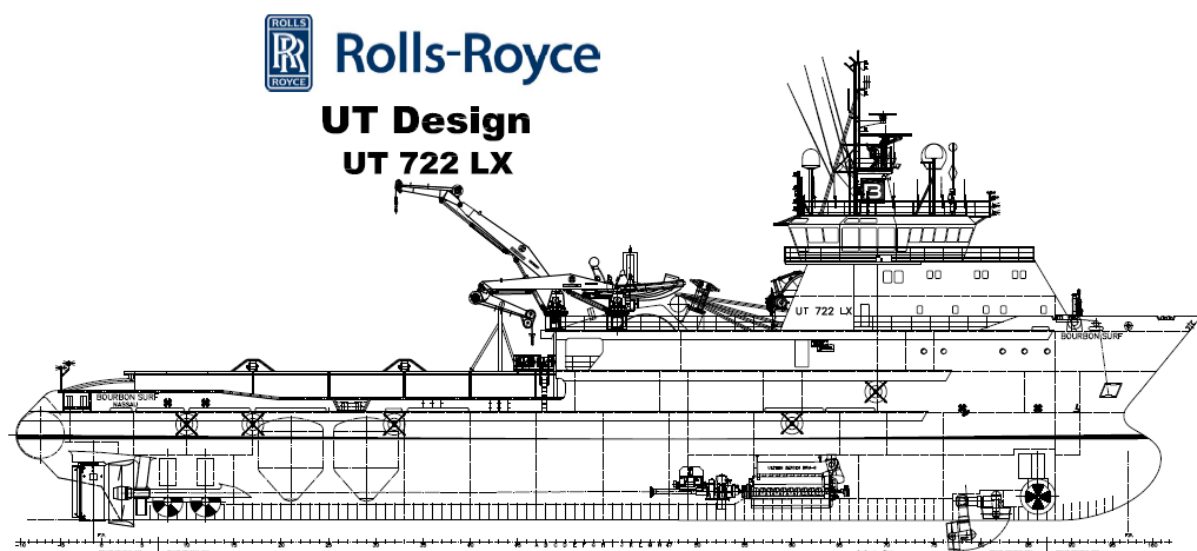
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Cargo - Tank Capacities / Pumps			
Tank		Pump	
Ballast water/drill water	2400 m3	2 x Centrifugal	250 m <sup>3</sup> /hr 9 Bar
Fresh water (potable)	614 m3	1 x Centrifugal	250 m <sup>3</sup> /hr 9 Bar
Dry bulk (4 Tanks – SG 2,6)	283 m3	80t/hr / 27 m <sup>3</sup> /min 5,6 Bar	
Fuel Oil (100%)	1336 m3	2 x 2-spindle screw	250 m <sup>3</sup> /hr 9 Bar
Liquid mud – SG 2,5	561 m3	2 x Eccentric screw	75m <sup>3</sup> /hr 9 Bar
Brine, B&C –SG 2,0	835 m3	2 x spindle screw	75m <sup>3</sup> / hr 9 Bar
Base Oil	201 m3		125m3/ hr 9 Bar
ORO	1032 m3	2 x Eccentric screw	250m <sup>3</sup> /hr 9 Bar
Roll Dampening system – 2xPassive roll reduction tanks Stab 1/Stab2 : 274/202m3			

FIFI I Equipment
2 remote operated water monitors, 1600 m <sup>3</sup> /hr each
Capacity Water/ Foam 3200 m3h
Throw length/height in accordance to FI-FI I class requirements

Deck electric connection:	DP Interfaces & Position reference systems
1x400 + 1x250 A, 440V, 60HZ	2 x DGPS Veripos LD5
2 x AVS 332-9,32 A, 3-phase, 230 V	3 x Simrad GC80 gyro
1 x AVS 316-9, 16 A, 3-phase, 230 V	1 x CyScan
1 x AVS 332-6, 32 A, 3-phase, 440 V	1 x RadaScan
1 x AVS 316-6, 16 A, 3-phase, 440 V	
3 x 16A, 230V single phase	



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