

ALP SWEEPER | 303^{mt} Bollard Pull

General Data

CALLSIGN	
PDDF	
FLAG	
The Netherlands	
PORT OF REGISTRY	
Rotterdam	
IMO NUMBER	
9737254	
BUILT	
2017 - Niigata Shipbuilding, Japan	
DESIGN	
Ulstein SX 157	
CLASSIFICATION	
⊛ 1A1 Fire fighter(II) Offshore service vessel(+, Anchor handling, Towing) BIS BWM(T) Clean(Design) COMF(V-3) DYNPOS(AUTR) E0 Ice(1B) NAUT(OSV(A)) Recyclable SF TMON	
DP NOTATION	
DP 2 with external force module	
BOLLARD PULL	
303 mt 2017	
MAXIMUM SPEED	
19,0 kts	
ECO SPEED	
9,0 kts	

Main Dimensions

LENGTH O.A.	
88,51 mtr	
LENGTH B.P.	
84,94 mtr	
BEAM O.A.	
21,00 mtr	
DEPTH TO MAINDECK	
9,50 mtr	
SUMMER DRAUGHT	
7,95 mtr	
DEADWEIGHT	
4.230,3 mt	
GROSS TONNAGE	
5.901 mt	
NETT. TONNAGE	
1.771 mt	
CARGO DECK AREA	
550 m²	
DECK LOAD	
10 mt / m²	
CHAIN LOCKER CAPACITY	
2x 255,6 m³	

Equipment

TOWING WINCH	
Rolls Royce / Brattvaag mod. SL400-3T	
1st speed: 401 mt @ 0-13 m/min	
BRAKE HOLDING LOAD	
600 mt on 1st layer, 675 mt on 1st layer static load	
DRUMS CAPACITY	
3x 2.000 mtr x 83 mm Ø	
CONTROL	
Remote controlled from bridge	
CABLE LIFTERS	
500 mt @ 0 - 9m/min, 2x 76 mm Ø 1x 127 mm Ø	
MAIN TOW WIRES	
2.000 mtr x 83 mm Ø	
SPARE TOWING WIRES	
2.000 mtr x 83 mm Ø	
1.200 mtr x 83 mm Ø	
WORK WIRES	
400 mtr x 83 mm Ø	
STORAGE REELS	
2 compartments: 2.335 mtr and 550 mtr of 86 mm Ø wire	
3 compartments: 990 mtr of 86 mm Ø wire	
STERN ROLLER	
2.000 mm Ø, total Length 5.000 mm, 650 mt SWL	
DECK WINCH	
2x 30 mt pull GOG winch @ 0 - 12 m/min 38 mm Ø, Capacity 720 mtr x 42 mm Ø wire	
1x 15 mt pull Tugger winch @ 0 - 30 m/min 28 mm Ø, Capacity 710 mtr x 28 mm Ø wire	
CAPSTANS	
2x Rolls Royce, 13,2 mt pull @ 0 - 10 m/min	
TOWING PINS	
2x Karmoy set of 2 pins 450 mm Ø 300 mt SWL	
KARM FORKS	
2x Karmoy 500 mm Ø 600 mt SWL	
inserts For Chain 50 mm Ø - 125 mm Ø - 165 mm Ø	
QUARTER PINS	
2x popup pins 450 mm Ø 300 mt SWL	
GIPSY WHEELS	
For Chain: (Detachable up to max of 165 mm Ø)	
2x 76 mm Ø: Six Pockets width 398 mm and 2.190 mm Ø	
2x 84 mm Ø: Six Pockets width 425 mm and 1.600 mm Ø	
2x 92 mm Ø: Five Pockets width 461 mm and 1.545 mm Ø	
ROV PREPARATION	
1x dedicated mezzanine deck available for WROV and LARS	
CRANES	
Triplex (KNC-60/3.0/105/45).	
Capacity SWL 3 mt at max 15 mtr	
Capacity SWL 6 mt at max 10 mtr	

Tank Capacities

BALLAST WATER	
3.103,6 m³	
FRESH WATER	
307,6 m³	
MAIN ENGINES	
3.183 m³	
AUXILIARY GENERATORS	
349 m³	
ENDURANCE AT FULL POWER	
49 days	
ENDURANCE AT HALF POWER	
84 days	

Machinery

MAIN ENGINES	
18.000 kW / 600 Rpm 4 x 4.500 kW MAK 9M32C	
PROPELLERS	
4 blades, Berg CPP x 2 with fixed nozzles, 5.000 mm Ø	
RUDDERS	
Rolls-Royce electro-hydraulic rotary-vane.	
Type: Flap rudder (SR743 FCP)	
BOW THRUSTERS	
2x Berg Tunel, CPP 22.4 mt @ 211 Rpm, 1.500 kWt, 2.550 mm Ø	
STERN THRUSTERS	
2x Berg Tunel, CPP 14.8 mt @ 306 Rpm, 1.050 kWt, 1.950 mm Ø	
GENERATORS	
3x CAT C32 940 kW @ 1.800 Rpm 60 Hz, 3 phase	
SHAFT GENERATORS	
2x AEM Shaft Gen 3.150 kWt @ 1.200 Rpm 60 Hz, 3 phase, Driven by ME	

Crew occupation

TOWING-19 crew 24 HR DP-21 crew 24 AH DP-22 crew
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Accommodation

TOTAL ALLOWED PERSONS	
35	
CABINS	
Single berth 25	
Double berth 5	
HOSPITAL	
Single berth -Category A (24)	

