

ALP GUARD | 285^{mt} Bollard Pull

General Data

CALLSIGN
PCFS
 FLAG
The Netherlands
 PORT OF REGISTRY
Rotterdam
 IMO NUMBER
9398541
 BUILT
2010 - Mützelfeldt Yard, Cuxhaven
 DESIGN
MAN Ferrostaal AG / Hitzler Werft
 CLASSIFICATION
 ⚙️ **100 A5 E Special purpose ship Tug ⚙️ MC E AUT DP(2)**
 FF(1)
 DP NOTATION
DP 2
 BOLLARD PULL
297 mt
 MAXIMUM SPEED
16,7 kts
 ECO SPEED
9,0 kts

Main Dimensions

LENGTH O.A.
74,30 mtr
 LENGTH B.P.
68,94 mtr
 BEAM O.A.
20,90 mtr
 DEPTH TO MAINDECK
9,5 mtr
 SUMMER DRAUGHT
8,25 mtr
 DEADWEIGHT
3.486 mt
 GROSS TONNAGE
3.732 mt
 NETT. TONNAGE
1.119 mt
 CARGO DECK AREA
275 m²
 DECK LOAD
10 t / m²
 CHAIN LOCKER CAPACITY
2x 82 m³

Crew occupation

TOWING – 17 crew | 24 hr DP–19 crew / 2 DPO extra |
 24 AH DP – 20 crew / 1 BSN & 2x A/B extra

Accommodation

TOTAL ALLOWED PERSONS
35 (upgrade possible)
 CABINS
Single berth 12
Double berth 9
Four berth 6
 HOSPITAL
Double berth

Equipment

TOWING WINCH
Electr. driven 250/500 mt @ 7,5/3,5 m/min
 BRAKE HOLDING LOAD
400 mt on Towing drum, 600 mt on AH drums (2pcs),
1st layer
 DRUM CAPACITY
1x 1.800 mtr of 83 mm Ø wire,
2x 2.000 mtr x 83 mm Ø wire
 CONTROL
Remote controlled from bridge
 CABLE LIFTERS
2x 76 mm Ø and 1 x 127 mm Ø
 MAIN TOW WIRES
1.600 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 REEL CAPACITY
2x 8.000 mtr x 83 mm Ø (Deck) and
1.200 mtr x 76 mm Ø (ER)
 STERN ROLLER
2.000 mm Ø, total length 5.000 mm, 300 mt SWL
 CAPSTANS
50 kN @ 0 - 15 m/min / 450 mm Ø
 TUGGER WINCHES
2x 100 kN pull @ 0 - 15 m/min 18mm Ø,
Capacity 110 mtr x 24 mm Ø Wire
 TOWING PINS
2x Karmoy set of 2 pins 300 mt SWL
 KARM FORKS
2x Karmoy SWL 650 mt SWL,
inserts for chain 50 mm Ø - 125 mm Ø - 165 mm Ø
 QUARTER PINS
Retractable / Hydraulic
 GIPSY WHEELS
Main winch STB side fixed 3 inch / 76 mm Ø,
Main winch PORT side fixed 5 inch / 127 mm Ø
 CRANES
2x Storecrane 5.2 mt SWL / reach 14 mtr

Tank Capacities

BALLAST WATER
292 m³
 FRESH WATER
83 m³
 MAIN ENGINES
3.230 m³
 AUXILIARY GENERATORS
130 m³
 ENDURANCE AT FULL POWER
49 days
 ENDURANCE AT HALF POWER
84 days

Machinery

MAIN ENGINES
4x MAK 9 MC32 4.500 kW / 600 Rpm
 PROPELLERS
2x Wartsila 4D1300 / 115 Rpm / 5.000 mm Ø
 RUDDERS
2x Rudder Actuator Rolls-Royce Type SR 723 FCP
 BOW THRUSTERS
2x Schottel tunnel thrusters. STT 4 CP / 1.990 mm Ø /
1.200 kW / tons thrust
 STERN THRUSTERS
1x Schottel tunnel thruster. STT 1 CP / 1.290 mm Ø /
400 kW / tons thrust
 GENERATORS
2x Caterpillar 3412DITA / 500 kW
 SHAFT GENERATORS
2x AEM SE 500 L4 / 2.000 kW

