

# ALP CENTRE | 297<sup>mt</sup> 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 m <sup>2</sup>
DECK LOAD
10 t / m <sup>2</sup>
CHAIN LOCKER CAPACITY
2x 82 m <sup>3</sup>

## 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 m <sup>3</sup>
FRESH WATER
83 m <sup>3</sup>
MAIN ENGINES
3.230 m <sup>3</sup>
AUXILIARY GENERATORS
130 m <sup>3</sup>
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

