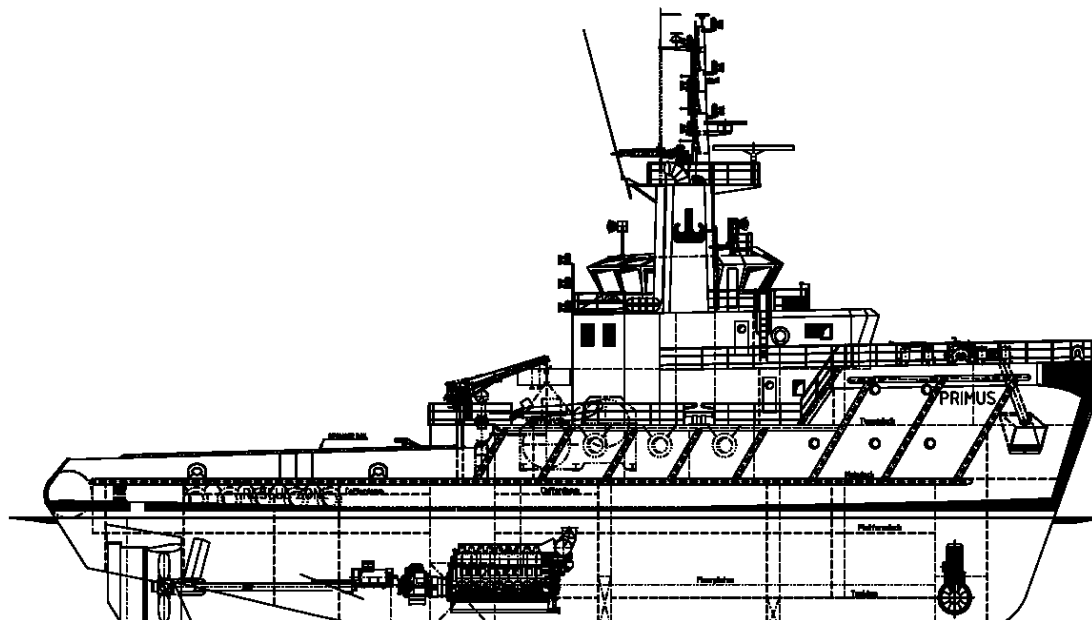


# 100 t Bollard Pull Tug Boat

## AHT PRIMUS – AHT PEGASUS – AHT CENTAURUS



### General

Basic functions	: Long distance towing/anchor/hose handling/berthing/fire fighting/salvage
Classification	: Germanischer Lloyd + 100 A5 E2 Deep Sea Tug Boat (nav-4) + MC E2 AUT, FF1, NAV

### Dimensions

Length o.a.	: 48,87 m
Beam o.a.	: 13,80 m
Depth to maindeck	: 7,00 m
Draught	: 5,20 m

### Tank capacities

Heavy fuel oil	: 470 m <sup>3</sup>
Marine diesel oil	: 200 m <sup>3</sup>
Fresh water	: 84 m <sup>3</sup>
Ballast water	: 145 m <sup>3</sup>

### Performances

Bollard Pull	: 100 t (metr.)
Speed	: 14,0 kn (econ.)

### Propulsion System

Main engines	: 2 x MaK 9M25
Total Power	: 5940 kW at 750 rpm
Gearboxes	: 2 x Reintjes
Propulsion	: 2 x controllable pitch propeller
Diameter	: 2 x 3200 mm in HR nozzles
Rudders	: 2 x flap type high performance rudders

### Auxiliary equipment

Shaft generators	: 2 x 840 kVA
Generator set	: 1 x Caterpillar 3412 C
Capacity	: 625 kVA, 50 Hz, 230/400 V
Fire fighting pump	: 2 x 1200 m <sup>3</sup> /h each at 14 bar
Bowthruster	: electr. Driven 400 kW CPP

### Deck lay-out

Waterfall winch	: electr. Driven 100 t at 15 m/min
Capacity	: 1 x 1200 m + 1 x 800/300 m
Tugger winches	: 2 x 10 t at 15 m/min
Deck Crane	: Hydraulic Crane 5 t at 12 m
Fork/Towing pins	: Karmoy, 300 t SWL
Stern Roller	: 250 t SWL

### Accommodation

Air-conditioned spaces for 17 Persons, consisting of 4 officer cabins, 4 crew cabins, galley, mess, stores and sanitary spaces

### Nautical and communication equipment

Searchlights	: 2 x remote controlled
Gyro compass	: 1 x
Radar system	: 2 x (one with ARPA)
Echosounder	: 1 x
GMDSS equipment	: A4
DP system	: Joy stick system LIPS