



## 45 m MULTI-PURPOSE AHT DPI

### **MAIN DIMENSIONS**

Length O. A.	: 45.00 M
Length B. P.	: 40.50 M
Breadth moulded	: 13.60 M
Depth moulded	: 5.20 M
Draft design	: 3.60 M

### **CAPACITIES**

Bollard Pull	: 50+ Tonnes
Speed	: Min.12 Knots
Cargo Deck Area	: Net 180 m <sup>2</sup> between cargo rails
Deck Strength Rating	: 5 tons/m <sup>2</sup>
Container	: 6 x 20' ISO Container
MDO	: 350 m <sup>3</sup>
Fresh Water	: 120 m <sup>3</sup>
FiFi Foam	: 23 m <sup>3</sup>

### **MAIN MACHINERY & PROPULSION SYSTEM**

Main Engine	: ABC Marine Diesel Type 8-DZC, 2 x 2400 Bhp, 1000 rpm
Reduction Gear	: Finnoy, Type G50FK
Propeller	: Finnoy, 2100 mm 4 bladed in nozzle, 2 x Controllable Pitch Propeller

### **AUXILIARY MACHINERY**

Generator Sets	: VOLVO Penta Diesel, Type D12, 1500 rpm, 3 x 290 kW
Shaft Generator	: 2 x 600 kW
Harbour Generator	: VOLVO Penta Diesel, Type D5A TR C, 1500 rpm, 1 x 62 kW

Bow Thruster	: Finnoy, 1 x 400 kW
Stern Thruster	: Finnoy, 1 x 400 kW
Rudder	: DATA, 2 x Streamlined double plate rudders
Steering Gear	: DATA, 2 x Electro-hydraulic steering gears
Dynamic Positioning System (DP1)	: NAVIS NAVDP 4000 series Dynamic Positioning Control system

### **NAVIGATION & COMMUNICATION EQUIPMENT**

Magnetic Compass System	: Sperry
Gyro Compass System	: Sperry
AIS	: Sperry (SAAB)
Electromagnetic Speed Log.	: Sperry
SVDR	: Rutter
DGPS	: Sperry
Radar	: Sperry
Echo Sounder	: Sperry
Autopilot	: Sperry
EPIRB	: Sailor
NAVTEX	: Mc Murdo
VHF/FM Radio	: 2 set x Sailor
MF/HF Radio	: Sailor
GMDSS Inmarsat-C SSAS Sys.	: Sailor, 2 x Type 6100
Printer	: Sailor, 2 set x H1252B
GMDSS VHF portable	: 4 nos

### **CLASSIFICATION**

BUREAU VERITAS

I ✕ HULL ✕ MACHINERY, AUT-UMS ,UNRESTRICTED NAVIGATION AREA, DYNAPOS AM/AT (DP 1), Fi-Fi 1, ANCHOR HANDLING TUG

### **DECK MACHINERY & EQUIPMENTS**

Anchor Windlass	: KRAAIJEVELD, 1 x electro-hydraulic anchor windlass, nominal pull=35 kN
Stern Roller	: DATA, abt 3.5M long by 0.9M diameter (S.W.L. 200 tm)
Towing Winch	: KRAAIJEVELD, 1 x Waterfall type Hydraulic Towing Winch / Drum Pull (low speed)=50-tonnes x 10m/min on 1st layer / Wire capacity=1000 m + 400 m Holding Force=150 tonnes
Tugger Winch Karm Fork and Towing Pin	: KRAAIJEVELD, 2 x 5 tonnes tugger winch  : DATA, 1 x double set electro-hydraulic Operated combination anchor handling Karm Fork and Towing Pin , SWL to be 200 tonnes
Knuckle boom Crane	: PALFINGER, SWL 3.6 tonnes at 10,75 m outreach

**ELECTRIC POWER**

400 V (3 phase 50 Hz), 240 V (1 phase 50 Hz), 24 V DC

**RESCUE EQUIPMENT**

Liferafts : 4 x 16 persons  
Immersion Suit : 24 persons  
Rescue Boat Capacity : 1 x 6 persons

**ACCOMMODATIONS**

1 x Captain's Cabin  
1 x Chief Engineer's Cabin  
1 x Engine Officer Cabin  
1 x Deck Officer Cabin  
3 x Crew Cabin (2 persons)  
2 x Special Person Cabin (4 persons)  
1 x Special Person Cabin (6 persons)  
1 x Hospital  
1 x Messroom  
1 x Laundry  
1 x Galley  
1 x Cold Room of 20 m<sup>3</sup>  
1 x Provision Store of 50 m<sup>3</sup>  
Total Accommodation Capacity : 24 persons

**BUILDER COMPANY**

BOGAZICI DENIZCILIK SAN. VE TIC. A.S. / ISTANBUL - TURKEY

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