

# HEA

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## ECO 10





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A next-generation offshore construction vessel, purpose-built in 2026 to support a wide range of offshore operations with efficiency and versatility. Designed to accommodate up to 100 personnel, it features a hybrid Integrated Electric Propulsion System (IEPS), advanced battery storage, and DPS-2 dynamic positioning. With a high-capacity main crane, spacious open deck, and full compliance with modern safety and class standards, HEA ECO 10 delivers reliable performance while aligning with the latest sustainability and operational excellence requirements.

## CLASSIFICATION AND RULES

Type: Offshore Construction Vessel  
Built: 2026  
Yard: Fujian Mawei Shipbuilding, China  
Class: ABS + A1 (E) Offshore Support Vessel, SPS, + AMS, FFV1, HYBRID IEPS [LEE, PMT], ESS-LIBATTERY + DPS-2, UWILD, BWT, MLC-ACCOM, CRC, RW

Flag: Panama  
IMO: 1096939

## MAIN DIMENSIONS

Length (overall): 69.8m  
Length Waterline: 69.33m  
Width overall: 17.6m  
Hull depth: 6.0m  
Design Draft: 3.5m  
Scantling Draft: 4.5m  
Deadweight: 2,000T  
Working Deck: 520m<sup>2</sup>  
Deck Loading: 7.5mt/m<sup>2</sup>  
GRT/NRT: 3,173/951 T

## CAPACITIES

Fuel Oil: 648m<sup>3</sup>  
Fresh Water: 958m<sup>3</sup>  
Ballast/Drill Water: 1500m<sup>3</sup>

## DECK EQUIPMENT

Capstan: 2 x Electro-Hydraulic Drive (Vertical) 50KN  
Tugger Winch: 2 x Elec-Hyd Drive with 1 mooring drum, 100 KN  
Anchor Windlass: 1 x Electro-Hydraulic Drive Anchor, 100 KN, 44 mm  
Sewage treatment: 1 x 100 Persons Per Day  
Water Maker: 2 units x 15m<sup>3</sup>/day RO

## GENERATORS

Main Engine: 4 x Cummins CCFJ1350-Z-W-MTCM 1350kW @ 1800 rpm,  
Em,cy Gen 1 x Cummins CCFJ250-Y-W-MTCM 250 kW @ 1800 rpm  
Battery: 3 x 172.2 KWh (500 KWh), LFP Battery system with BMS, 690V

## CRANES

Main crane Telescopic Boom  
Boom length: 36m  
Main Hoist: Hs=1.5m, 70t@ 6.5-8.5m, 20t@ 20m  
Hs=2.0m, 50t@ 6.5-8.5m, 15t@ 20m  
Subsea 55m: Hs=2m, 70t@ 6.5-8.5m, 20t@ 20m  
Aux Hoist: Hs=1.5m, 10t@ 7-30m, 6t@ 7-36m  
Hs=2.0m, 8t@ 7-30m, 5t@ 7-36m  
Subsea 55m: Hs=2m, 4t@ 7-30m, 2t@ 7-36m  
Personnel: Hs=2m, 2t@ 7-36m  
Auxiliary Crane: 1 x Pedestal  
Capacities: 3 ton @ 3.3-13.5 m

## SAFETY SYSTEMS

Fire and gas detectors throughout the whole vessel in full compliance with MODU requirements.

2 x 50 POB/Lifeboats  
4 x 25 men inflatable life-rafts.

## PROPULSION UNITS

Thrusters: 2 x Azimuth (TLAT2000WM)  
1470 KW @ 1020 rpm  
2 x Bow (TLTT165-CP), 700 KW @1180 rpm, 110 KN thrust  
Speed: 12 kts @ 4.5m draught

## EXTERNAL FIRE-FIGHTING

Fire Monitor: 2 x 1200 m<sup>3</sup>/h (1 foam)  
Fire Pump: 2 x 1830 m<sup>3</sup>/h @117m

## DYNAMIC POSITIONING SYSTEM

### K-POS DP-21

K-Pos OS Operator Station (2), cWing Terminal (1), cWing Connection Box (3), K-Pos DPC-2 Dual Redundant Controller (1), UPS (2), Printer (1), Portable Joystick wing (1), DGPS (2), MRU (3), Ultrasonic wind anemometer (3), Laser Based position reference terminal (1).

## ACCOMMODATION AND FACILITIES

### Standard accommodation:

100 total POB  
12 x 1 men berth  
20 x 2 men berth  
12 x 4 men berth

Cabins equipped with en-suite shower/toilet, telephone, TV/DVD and network connections.

### Facilities

Galley, mess room, client offices, meeting room, recreation rooms, gym, sick bay, laundry, stores and workshops