

# HEA ATLAS



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HEA Atlas is a self-contained offshore accommodation barge designed to support large-scale marine and energy operations. Built in 2012 and classified under ABS, the barge offers spacious accommodation for up to 348 personnel, along with modern onboard facilities including client offices, a gym, recreation areas, and a helideck suitable for Sikorsky S92. With a large clear deck area of 1,600m<sup>2</sup> and an 8-point mooring system, HEA Atlas is well-suited for long-term deployment in demanding offshore environments.

## CLASSIFICATION AND RULES

Type:	Accommodation Barge
Built:	2012
Yard:	Fuzhou Cangshan Xiayang, China
Class:	ABS + A1 Barge + CRC
Flag:	Panama
Call Sign:	3E5328

## MAIN DIMENSIONS

Length (overall):	100m
Width overall:	31.7m
Hull depth:	7.3m
Draft:	5m
Dead Weight:	9,674 T
Clear Deck Area:	1600m <sup>2</sup>
Deck Loading:	12.5 mt/m <sup>2</sup>
GRT/NRT:	10,159/3,047 T

## CAPACITIES

Fuel Oil:	920m <sup>3</sup>
Fresh Water:	2,600m <sup>3</sup>
Ballast/Drill Water:	9,960m <sup>3</sup>

## DECK EQUIPMENT

Anchor System:	8 -point mooring system
Mooring Winches:	8 x Drum 1500 x 52mm dia. SWR @ 11 Layers
Rated load (1st speed) (2nd speed) (3rd speed)	1st Layer 85T x 12 m/min @ 4.6 rpm 50T x 19 m/min @ 7.3 rpm 28T x 32 m/min @ 12.3 rpm
Braking load:	(150T-Static) 1st Layer
Tugger Winch:	1 x Drum 200 x 25mm dia. SWR @ 7 Layers, Rated pull (10T x 0-15m/min), brake Holding (15T-Static)
Vertical Capstan:	4 x Rated load (10T), Line speed (15m/min @ -9.5rpm) Wrapping head (450mm Dia.)
Electro-Hydraulic power pack:	4 x (3 x 90kW + 1 x 7.5kW) - (tank capacity 2400 liters)
Anchor Chain swivel:	7 x 52mm dia. Stud link, Length (2x1.32m + 5x1.86m), MBL (2110kN), Load (145 T)
Sewage treatment:	2 x 150 Persons Per Day
Water Maker:	2 units x 50m <sup>3</sup> /day RO

## CRANES

Main crane	Amclyde Unit 35000 HD Pedestal
Boom length:	50.1m
Capacities:	68t@9.1-13.5m - 47.6t@11.3m Aux hook - 9t @ 9.8m - 8t @50m (Man-riding 3t)

## SAFETY SYSTEMS

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

1 x 6 MOB/Fast Rescue Craft.  
6 x 25 men inflatable life-rafts.

## GENERATORS

Main Generator:	5 x CAT 3412C 534kW @ 1500rpm
Em,cy Generator:	1 x CAT 3406C 260kW @ 1500rpm

## HELIDECK

Material:	Mild Steel - Square Shaped
Dimensions:	28 Dia. ~ 12.8 tons
Type:	Sikorsky S92

## EXTERNAL FIRE-FIGHTING

Fire Monitor:	4 x 280m <sup>3</sup> /hr m3/h
Fire Pump:	1 x 1600 m3/h

## ACCOMMODATION AND FACILITIES

### Standard accommodation:

348 total POB  
10 x 1 men berth  
9 x 2 men berth  
80 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 room, gym, sick bay, Prayer, laundry, stores and workshops