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Multipurpose AHTS 'Boulder'

For offshore ROV-Work, Plough Work, Rig Moves and Anchor Handling. JD-Contractor is operating the Multipurpose AHTS 'Boulder'. Boulder can be mobilized with various equipment/setup for work at sea and Subsea Construction.



BOULDER BASIC CONFIGURATION

Vessel Information

The vessel is uniquely designed for a variety of work roles including:

- Platform for subsea and ROV work
- Deep water Anchor Handling & Mooring operations
- Rig moves (towing)
- General supply duties

Revision date 19-11-2019



**All figures and data believed to be correct, but not guaranteed*

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Bridge equipment

Boulder is equipped according to industry standard with radio- and navigation systems (DGPS, echo sounder, gyro, radar etc.).

Furthermore, the vessel has:

- NaviPac Online
- Transas ECDIS chart system
- HiPAP Kongsberg 502
- Dual Satellite Communication
- Cyscan
- Radascan



Accommodation

The vessel can accommodate 43 persons in 13 single cabins and 15 double cabins. The ship crew takes up 8-12 cabins depending on the work task.

Accommodation also include mess rooms, galley, meeting room and a gym.



Towing & Anchor handling equipment

- Anchor handling winch 1 X 500 mt
- Towing winch 2 X 400 mt
- Secondary winches 2 X 140 mt
- Tugger winch 2 X 15 mt
- Towing wire 1,000 m x \varnothing 92 mm
- Stern roller dimension (2 X 3.25m X 4.0m)
- Stern roller SWL 2 X 800 mt
- Towing pins 2 X 300 mt
- Capstans 2 X 15 mt
- Shark jaws 2 X 700 t
- Chain lockers 2 X 201 M³ + 2 X 179 m³



A-frame & four-point mooring

A 250-ton A-frame is installed on the vessel which among other enables the vessel to launch and recover ROV's or equipment of significant size.

The free deck area is (42.8 length 16 m width) 684 m² and have a deck strength of 15t/m² aft and 10 t/m² forward.

The total deck load capacity is 1700 mt





Vessel Specifications

GENERAL

Name	Boulder
Call sign	OZNB2
IMO number	9151577
Flag	Danish
Built	1998
Classification	LR
Certification	AHTS

DIMENSIONS

Length	84.6 m
Breadth	18.8 m
Depth	9.0 m
Draft max.	7.5 m
Draft Azimuth	2.2 m
Deadweight	3762
Gross tonnage	4376

MACHINERY

Main engines	20020 BHP
	4X MAK 8M32
Propellers	2X CP main
Thrusters	
- Stern tunnel	2X 800 BHP
- Bow tunnel	1X 1200 BHP
- Bow azimuth (retractable)	1X 1200 BHP
Aux. engines	2X kW

ACCOMMODATION

Persons	43
Single	13
Double	15

FUEL CONSUMPTION

Maximum 4 Engines	60t@16 kn
DP1 mode	15t
Eco speed	10t@10 kn

DECK EQUIPMENT

Anchor handling winch	1X	500 t
Tow winches	2X	400 t
Secondary winches	2X	140 t
Chain lockers	2X	201 m ³
	2X	179 m ³
Shark jaws	2X	700 t
Stern rollers	2X	3,25 m x 4,0 m
Stern roller SWL	2X	800 t
Towing pins	2X	300 t
Capstans	2X	15 t
Tugger winches	2X	15 t

TANK CAPACITIES

Base oil	207 m ³
Brine	403 m ³
Drill	2538 m ³
Fresh water	760 m ³
Fuel	2262 m ³
Oilbased mud	605 m ³

DECK CAPACITIES

Deck load capacity	1700 t
Deck strength aft	15 t/m ²
Deck strength fwd	10 t/m ²
Free deck area	684 m ²
Length	42.8 m
Width	16.0 m

OTHER

Type of fuel	MGO
Endurance	94 days
Range eco speed	22.620nm

CRANE CAPACITIES

Crane Stb (onshore)	11t/14m
Crane Stb (offshore)	5.5t/14m
Crane Aft (offshore)	2.1t/14.5m
Crane Aft (offshore)	0.8t/14.5m
A-Frame out	250 t
A-Frame in	200 t

CLASSIFICATION

Dynamic Position	DP1
Bollard pull	243 t
Reference systems	2X DGPS Seastar
	1X Cyscan Guidance
	1X Mini Radascan
	1X HiPAP Kongsberg 502
Motion reference	3X Gyro, Sperry/Simrad
	3X Motion sensor Seatex
	2X Wind sensor Gill

