

## Diving



### *Rockwater 2* is a diving support vessel.

- Length 119m x breadth 22m
- Deck area 1,150m<sup>2</sup>
- Accommodation for 106 persons
- Heave compensated 200t offshore crane with 300t harbour lift capacity (2 fall mode when lifting 200t)
- 1 x work-class ROV
- 16-man single-bell saturation dive system rated to 300m and one hyperbaric lifeboat
- Proven stable platform for all inspection, repair and maintenance activities
- Integrated survey and inspection suite

## General Information

Classification	LR, +100A1, LMC, DP(AA) UMS, Ice-class 3
Built	de Hoop, Netherlands (1984)
Flag State Authority	Bahamas Maritime Authority

## Dimensions

Length Overall	118.55m
Breadth	22m
Depth	7.6m
Draught (summer)	5.312m
Deadweight	3,023.9t
Gross Tonnage	5,991t
Net Tonnage	1,797t

## Manoeuvring and Propulsion Systems

Main Engines	5 x 1,700kW (Brons-MAN ASL25/30)
Generators	5 x 2,125kVA (NEBB WAB 630)
Emergency Generator	1 x GM Type 12v-72t
Main Propulsion	2 x 1,880kW azimuth thrusters (Liaanen)
Tunnel Thrusters (bow)	3 x 790kW (Brunvoll)

## Dynamic Positioning Systems

DP Classification	DP(AA) (Class II)
DP System	Kongsberg Simrad SDP 521
Reference Systems	3 x DGPS 2 x lightweight taut wire 1 x Kongsberg HiPAP 500 system 1 x Sonardyne LUSBL 1 x fanbeam MDL Mk4

## Speed / Consumptions

DP	16 m <sup>3</sup> /day
Full transit speed	11.5 knots (28.5 m <sup>3</sup> /day)
Normal transit speed	10 knots (22-24 m <sup>3</sup> /day)
Economical speed	6 knots two engines (15 m <sup>3</sup> /day)
In port consumption	3 m <sup>3</sup> /day

## Tank Capacities (100%)

Fuel Oil	1,930m <sup>3</sup>
Fresh Water	410m <sup>3</sup>
Ballast Water	1,622m <sup>3</sup>
Lub. Oil	33m <sup>3</sup>

## Cargo Deck

Deck Area	1,150m <sup>2</sup>
Deck Strength	5t/m <sup>2</sup>

## Communications Systems

The vessel is fitted with Inmarsat B, Inmarsat C and V-SAT C Band.

## Accommodation

106 persons	
Single Cabins	14
Double Cabins	44
Quadruple	1

## ROV Systems

The vessel is fitted with one work-class ROV as standard.

## Deck Cranes

### Main deck crane I (Kenz, Portside)

(Main Wire)	300t
(Whip Line)	15t and 7.5t (man-riding)

The primary main deck crane (Kenz) is active heave compensated (both main wire and whip wire) and is positioned on the port side of the main deck. Active heave compensation can be selected with the main hoist in 1 or 2 fall mode, and with whip hoist.

### Main deck crane II (Liebherr, Starboard side)

Main Hoist	SWL 50t
Auxiliary Hoist	SWL 5t (Man-riding with dual emergency recovery system)

No AHC fitted to crane

### Auxiliary Deck Crane I (Hydramarine)

(Stbd Boat Deck)	5t (man-riding)
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### Auxiliary Deck crane II (Koyo)

(Stores Crane)	1.5t
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## Dive System

The saturation diving system is classed by Lloyds Register of Shipping.

Saturation System	16 man at 300m
Chambers	3
Bell	1 x 3 man
SPHL	1 x 15 Divers and 3 crews
Dive Moonpool	1 x diving 3.6m dia

A second working moonpool is also available (4.6m dia). Currently plated in at hull and main deck levels.

## Helideck

The vessel is fitted with an approved and certified helideck. The helideck has a D-Value of 22.2m and T-Value of 11t and approved for helicopters of the size up to EC225 and Sikorsky S61N.



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