

Diving



The Rockwater 1 is a diving vessel.

- Length 98m x breadth 18m
- Deck area 550m²
- Accommodation for 94 persons plus 15 divers in saturation
- 120t crane
- 18-man* single bell saturation dive system with one hyperbaric lifeboat
- 1 x observation class ROV

General Information

Classification	LR, +100A1, LMC, DP(AA) UMS, Ice-class 3
Built	de Hoop, Netherlands (1983)
Flag State Authority	Bahamas Maritime Authority
Port of Registry	Nassau

Dimensions

Overall Length	98.35m
Breadth	18m
Depth	7.6m
Draught (summer)	5.3m
Deadweight	1,900t
Gross Tonnage	4,905t
Net Tonnage	1471t

Manoeuvring and Propulsion Systems

Main Engines	5 x 1,700kW (Bronx-MAN ASL25/30)
Generators	5 x 2125 kVA (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 7,90kW (Brunvoll)

Dynamic Positioning Systems

DP Classification	DP(AA) (Class II)
ERN Rating	99.99.99
DP System	Kongsberg Simrad SDP 521
Reference Systems	2 x DGPS 2 x lightweight taut wire 1 x HiPAP 350 1 x Sonardyne/Ranger Fusion 1 x fanbeam 4.1 (1,000m range)

Speed / Consumptions

Economical Speed	10 knots at 18m³/per day
Full Speed	12.5 knots at 24m³/per day
DP Operations	14m³/per day

Tank Capacities (100%)

Fuel Oil	1,263m³
Fresh Water	385m³
Ballast Water	923m³
Lub. Oil	30m³

Cargo Deck

Deck Area	550m²
Deck Strength	5t/m²

Deck Cranes

Main Deck Crane	120 tonne Hydramarine (MacGREGOR) HMC 3568 crane
Mainline (AHC)	SWL 120 tonnes at 5 to 12m (Double Line) SWL 60 tonnes at 6.5m to 25m (Single Line)
Whipline	SWL 15 tonnes at 7 to 32m
Whipline (man riding)	SWL 7.5 tonnes at 7 to 32m
Auxiliary Deck Cranes	
Z-Marine (Gas Storage Area)	SWL 7.5 tonnes - 10m SWL 5 tonnes - 14.5m
Guerra (Heli-deck Area)	SWL 1.25 tonnes

ROV Systems

The vessel is fitted with one Lynx observation ROV with hydraulic manipulator and water jetting skid as standard.

Dive System

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

Saturation System	16 man at 300m *(restricted to 15 due to SPHL)
Chambers	3
Bell	1 x (3 diver)
SPHL	1 x 15 man
Dive Moonpool	3.6m x 3.6m

Accommodation

94+15* persons	
Single Cabins	18
Double Cabins	38
Divers in SAT*	15
Hospital	
(not included in total)	1

Helideck

The vessel is fitted with an approved and certified helideck. The helideck has a D value of 22 and is approved for Sikorsky S61N helicopters.

Communications Systems

The vessel is fitted with Fleet 7 Inmarsat Vsat Satellite communications. The Vsat can be either KU band or C band as operational requirements demand.

