



## VESSELS Diving

### Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



subsea7

# Seven Kestrel

## Vessel Info

*Full specification overleaf*

**Seven Kestrel** is a diving vessel optimised for operations in the North Sea.

- Length 125.4m x breadth 24.0m
- 18-person twin-bell saturation diving system rated to 300m
- Heave compensated 120t crane
- Accommodation for 110 persons
- Deck Area 1,038m<sup>2</sup>, Deck load of 1,000t at 4.5m above main deck
- DP Class III with three engine rooms

## Fast Facts

- Ability to dive and launch ROV in 4.5m significant wave height
- Crane reach allows overboarding the product astern
- Twistlock grillage allows for rapid mobilisation/demobilisation. No welding required or use of subsea control module
- Use of extended umbilicals facilitating shallow saturation diving >65m from the Bell



## Seven Kestrel

### General Information

Type Classification	<b>Diving +1A1 Diving Support Vessel, COMF-V(3)C(3), HELDK-SH, Dk(+), E0, DYNPOS AUTRO, DSV-SAT, SF, ESV-DP[HIL.IS], CLEAN, BIS, SPS.</b>
Built	<b>Hyundai Heavy Industries, (Ulsan, South Korea), 2017</b>
Flag	<b>Isle of Man</b>

### Principal Dimensions

Length Overall (m)	<b>125.4m</b>
Breadth (m)	<b>24.0m</b>
Depth Main Deck (m)	<b>10.5m</b>
Operating Draught (m)	<b>7.0m</b>
Gross Tonnage	<b>13,199t</b>
Transit Speed (knots)	<b>12 knots (approx)</b>

### Main Deck

Clear Deck Area	<b>1,038m<sup>2</sup></b>
Deck Strength	<b>10t/m<sup>2</sup></b>

### Tank Capacities (100%)

Fuel Oil (m <sup>3</sup> )	<b>1,540m<sup>3</sup></b>
Fresh Water (m <sup>3</sup> )	<b>1,042m<sup>3</sup></b>
Ballast Water (m <sup>3</sup> )	<b>3,340m<sup>3</sup></b>

### Power and Propulsion

Engine Rooms	<b>3</b>
Main Engines	<b>6</b>
Type	<b>HiMSEN 9H25/33</b>
Power (kW)	<b>2,700kW each</b>
Generators	<b>6</b>
Type	<b>H537 719-08P</b>
Power	<b>3,206kVA each</b>
Propulsion	<b>3</b>
Type	<b>Azimuthing Thruster</b>
Power	<b>2,100kW each</b>
Thrusters	<b>2</b>
Type	<b>Tunnel Thruster</b>
Power	<b>2,200kW each</b>
Thrusters	<b>2</b>
Type	<b>Retractable Azimuthing Thruster</b>
Power	<b>1,600kW each</b>

### Vessel Speeds and Fuel Consumption

Maximum Speed	<b>13.0 knots</b>
Economic Speed	<b>6.0 knots</b>
Economic Speed Fuel Consumption	<b>20.0m<sup>3</sup>/day</b>

### Cranes

Main Crane Capacity (t)	<b>120t</b>
Manufacturer	<b>Macgregor</b>
Operating Water Depth (m) AHC	<b>500m</b>
Location	<b>Yes</b>
Location	<b>Main deck, port side</b>
Auxiliary Hoist	<b>20t certified for man-riding</b>
Auxiliary Cranes (t)	<b>2x 10t for man-riding</b>
Operating Water Depth	<b>350m</b>
Location	<b>D-Deck, port and starboard, aft end of superstructure</b>

### DP System

DP Classification	<b>DP Class III</b>
Reference System	<b>DP HIL Certification</b>
	<b>2x Taut wire, 3x Veripos DGNSS, 2x HiPAP 500, 1x Cyscan</b>

### Dive System

Person (No.)	<b>18</b>
Bells (No.)	<b>2</b>
Depth Rating (m)	<b>300m</b>
Dive System Comments	<b>State of the art triple-winch diving bell LARS, 2x 18 person hyperbaric lifeboats</b>

### Moonpool

Number	<b>3</b>
Type	<b>2x Diving Bell, 4.2m x 4.2m</b>
	<b>1x OBSROV, 3.5m x 4.0m</b>

### ROV System

Seaeye Cougar	<b>1x observation class</b>
Operating Depth (m)	<b>500m</b>
ROV Comments	<b>Installed in ROV hangar, stbd side at aft end of superstructure, deployed through moonpool. ROV control room, workshops and stores fully integrated into the vessel.</b>

### Helideck

Suitable for Sikorsky S-92	<b>c/w Helicopter Monitoring System</b>
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### Accommodation

Berths (No.)	<b>110+ 18 person in SAT</b>
Cabins (No.)	<b>30x single cabins</b>
	<b>40x double cabins</b>



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