



## VESSELS Diving

### Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



subsea 7

# Seven Falcon

## Vessel Info

*Full specification overleaf*

Seven Falcon is one of the most advanced diving vessels in the world, featuring a 24 person twin bell saturation diving system operationally rated to 300m, and a heave compensated 250t crane.

- Length 120m x breadth 23m
- 24 person twin-bell saturation diving system
- Heave compensated 250t crane
- Accommodation for 120 persons
- Deck area 1,050m<sup>2</sup>

## Fast Facts

- Ice Class Hull allows the vessel to operate in minor polar climates
- Fully computerised dive control system with dual redundancy and individual monitoring of divers



## Seven Falcon

### General Information

Type Classification	<b>Diving</b> <b>1A1 ICE-C SF COMF-V(3)</b> <b>HELDK-SH DSV-SURFACE and</b> <b>SAT E0 DYNPOS-AUTRO</b> <b>NAUT-AW CLEAN DESIGN DK(+)</b>
Flag	<b>Isle of Man</b>
Year Built	<b>2010</b>

### Principal Dimensions

Length Overall (m)	<b>120m</b>
Breadth (m)	<b>23m</b>
Depth Main Deck (m)	<b>10.04m</b>
Summer Max Draft (m)	<b>8.25</b>
Normal Operating Draft (m)	<b>7.50</b>
Gross Tonnage (t)	<b>11,071t</b>
Transit Speed (knots)	<b>14kts (approx)</b>

### Power and Propulsion

Main Engines	
Number	<b>8</b>
Type	<b>Caterpillar 3516C HD</b>
Power (kW)	<b>2,188kW</b>
Generators	
Number	<b>8</b>
Type	<b>SES MJR560</b>
Power (kW)	<b>2,100kW</b>
Propulsion	
Number	<b>2</b>
Type	<b>AZP 120</b>
Power (kW)	<b>3,500kW</b>
Thrusters	
Number	<b>3</b>
Type	<b>Rolls Royce UL-2001 FP</b> <b>(retractable azimuth)</b>
Power (kW)	<b>1,500kW</b>
Location	<b>1x aft, 2x forward</b>
Number	<b>2</b>
Type	<b>Rolls Royce TT-2400 (tunnel)</b>
Power (kW)	<b>1,500kW</b>
Location	<b>Forward</b>

### DP System

DP Classification	<b>Kongsberg K-POS DP 21 with</b> <b>back-up K-POS DP II</b> <b>NMD DP Class 3 (ERN 99.99.99)</b> <b>DP HIL certification</b>
Reference System	<b>2x LTW</b> <b>2x DGPS / Veripos</b> <b>2x HIPAP 500</b> <b>1x Mini-RadaScan</b> <b>1x SpotTrack</b>

### Main Deck

Clear Deck Area (m <sup>2</sup> )	<b>1,050m<sup>2</sup></b>
Deck Strength (t/m <sup>2</sup> )	<b>10t/m<sup>2</sup></b>

### Cranes

Main Crane Capacity (t)	<b>250t</b>
Manufacturer	<b>MacGregor</b>
Operating Water Depth (m)	<b>2,000m (single fall)</b>
AHC	<b>Yes</b>
Location	<b>Main deck, port side</b>
Main Crane Comments	<b>20t auxiliary hoist, certified for</b> <b>man-riding</b>
Auxiliary Crane 1 Capacity (t)	<b>40t</b>
Location	<b>C-deck, port side</b>
Auxiliary Crane Comments	<b>5t auxiliary hoist, certified for</b> <b>man-riding</b>
Auxiliary Crane 2 Capacity (t)	<b>10t</b>
Location	<b>C-deck, starboard</b>
Auxiliary Crane Comments	<b>Active Heave Compensated (AHC)</b>

### Dive System

Person (No.)	<b>24</b>
Bells (No.)	<b>2</b>
Fully computerised with dual redundancy dive control system. Individual monitoring of divers. Heave compensated bell handling system. 2x 24 person hyperbaric lifeboats. Fully certified for Norwegian operations and NORSOK compliant.	

### Moonpool

Moonpool (No.)	<b>2x diving</b>
Dimensions (m)	<b>4.8m x 4.8m</b>

### ROV System

ROVs (No. and type)	<b>1x WROV Herc 31</b> <b>1x OBSROV Lynx 1101</b>
Operating Depth Rating (m)	<b>WROV 3,000m</b> <b>OBSROV 1,500m</b>

WROV installed in large ROV hangar on starboard side. Tether 850m Max (650m Standard). OBSROV installed on a mezzanine deck on starboard side just aft of accommodation. Length of TMS Tether 220m Max (190m Standard).

### Accommodation

Berths (No.)	<b>120 + 24 in SAT</b>
Cabins (No.)	<b>28x single cabins</b> <b>46x double cabins</b>

### Helideck

Type	<b>Suitable for S-92,</b> <b>c/w environmental, meteorological</b> <b>and vessel data system</b>
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Our Differentiators



Culture



Creativity



Relationships



Reliability



Solutions

The Subsea 7 fleet comprises of vessels that have exceptional versatility, capable of operations worldwide including; pipelay, construction, survey, remote intervention, diving support, heavy lifting operations, renewables and decommissioning.