



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 1,050m²

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

Principal Dimensions

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

Power and Propulsion

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

Vessel Speeds and Fuel Consumption

Maximum Speed	14.0 knots
Economic Speed	10.0 knots
Economic Speed Fuel Consumption	39.1m³/day

DP System

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

Main Deck

Clear Deck Area (m ²)	1,050m²
Deck Strength (t/m ²)	10t/m²

Cranes

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

Dive System

Person (No.)	24
Bells (No.)	2
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.)	2x diving
Dimensions (m)	4.8m x 4.8m

ROV System

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

Helideck

Type	Suitable for S-92, c/w environmental, meteorological and vessel data system
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Accommodation

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



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