

Seven Phoenix

Construction/
Flex-lay

subsea 7



Seven Phoenix is a construction / flex-lay vessel with a 360t lay system ideally suited to laying flexible pipe.

- Length 130m x breadth 28m
- 360t top tension flexible lay system
- 2,400t below deck storage in 2 carousels
- Deck area 1,200m²
- A-frame 60t
- Accommodation for 77 persons
- 2 x work-class ROVs

General Information

Type	Construction / Flex-lay
Classification	DNV
Flag	Isle of Man
Year Built	2002

Principal Dimensions

Length Overall (m)	129.9m
Breadth (m)	27.8m
Depth Main Deck (m)	12m
Operating Draft (m)	7.2m
Gross Tonnage (t)	18,780t
Transit Speed (knots)	12 knots (approx)

DP System

DP Classification	II
Reference System	Kongsberg Simrad SDP22

Power and Propulsion

Generators	
Number	4 x 3240kW (Main) – Wartsila Vasa 8R32
Type	1 x 1360kW (Harbour) – Wartsila 6L20
Power (kW)	1 x 220kW (Emergency) – Volvo Penta TAMD 122A
Thrusters	
Number	5
Type	Azimuth thrusters at stern (main) - 2 x 3300kW – LIPS azimuth with fixed pitch Retractable azimuth thrusters (fwd) - 1 x 2200kW - LIPS azimuth with fixed pitch, retractable Bow tunnel thrusters (fwd) - 2 x 1600kW – LIPS bow tunnel thrusters

Capacities

Fuel Oil (m ³)	3,177m ³
Hydraulic Oil (m ³)	75m ³
Fresh Water (m ³)	707m ³
Ballast Water (m ³)	5,800m ³

Main Deck

Clear Deck Area (m ²)	~1,200 m ²
Deck Strength (t/m ²)	5t/m ²

Cranes

Main Crane Capacity (t)	34.5t
Manufacturer	Kenz
Location	Midship starboard side
Auxiliary Crane Capacity (t)	15t
Location	Aft starboard side
A-Frame Capacity (t)	60t

Pipelaying System

Flexible Lay:	Tiltable Lay System
Max Tension (t)	360t
Tensioners (No. and type)	2 / 170t / Huisman BV / 4 tracks
Flex/Umbilical Storage Capacity (t)	2400t
Carousel (No.)	2
Carousel Capacity (t)	1,000t (aft) / 1,400t (forward)
A&R Capacity (t)	360t / 125t

Helideck

Type	19.5m / 9.2t
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Accommodation

Berths (No.)	77
Cabins (No.)	58

ROV System

ROVs (No. and type)	2 x Triton ST
Operating Depth Rating (m)	3,000m