



SEVEN OCEANS Pipelaying vessel



Owner	Subsea 7
Yard number	709
Dimensions	
Length overall	157.31m
Length between perpendiculars	138.32m
Breadth	28.4m
Depth main deck	12.5m
Design draught	7.5m
Scantling draught	8m
Deadweight	
Deadweight at design draught	10,930 tonnes
Deadweight at scantling draught	12,430 tonnes
Speed	
Trial speed at design draught	15 knots
DP system	DP2 (prepared for DP3)

Pipelaying equipment

- lay ramp equipped with 300 tonnes tensioner, a 450 tonnes and a 80 tonnes A&R winch and 16mt knuckle-boom crane
- maximum operating depth 3,000m
- main pipe reel: hub diameter 18m, extreme diameter 28m, width between flanges 10m, capacity 3,500 tonnes
- piggy back reel: hub diameter 4.4m, extreme diameter 7.8m, width between flanges 5m.

ROV system

Two fully integrated cursor launched work ROV's, housed in a hangar



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Lifting gear

One offshore crane (heave compensated)

Safe working load	400mt
Radius	16.5m
Operating depth	3,000m

One offshore crane (heave compensated)

Safe working load	40mt
Radius	16.5m

One offshore crane

Safe working load	12mt
Radius	25m

Two provision cranes

Safe working load	5mt
Radius	14m

Workdeck

Area	650m ²
Load capacity	10 tonnes/m ² (locally 15 tonnes/m ²)

Helideck

Helideck of aluminum construction on top of accommodation suitable for regular operations of S61 helicopters and equipped with a fixed foam fire fighting system

Thrusters

Azimuth thrusters (aft), variable speed drive	3x 2,950kW
Tunnel thruster (fwd), variable speed drive	2,200kW
Retractable azimuth thrusters (fwd), variable speed drive	2x 2,400kW

Stabilising system

Two passive stabilising tanks

Machinery

6.6kV 60Hz medium voltage for generators, switchboards, main cabling and 690V 60Hz low voltage for frequency drives and propulsion/thruster motors

Six main generator sets

Diesel engine

Maximum output	3,360kW
Engine speed	720rpm

Alternators

Maximum output	3,600kVA
Speed	720rpm
Voltage	6,600 Volt
Frequency	60Hz

One emergency/harbour generator set

Diesel engine

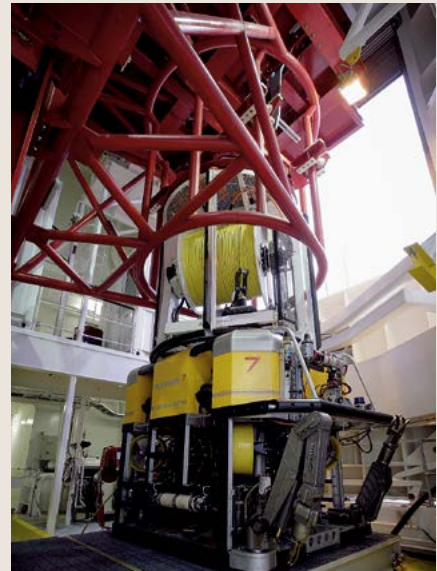
Maximum output	1,540kW
Engine speed	1,800rpm

Alternator

Maximum output	1,875kVA
Speed	1,800rpm
Voltage	440 Volt
Frequency	60Hz

Accommodation (all cabins with own private facilities)

Captain class	3 cabins	3 people
Officer	5 cabins	5 people
Crew (single)	12 cabins	12 people
Crew (double)	48 cabins	96 people
Crew (double)	1 cabin	4 people
Total accommodation	69 cabins	120 people



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