



SAIPEM CONSTELLATION

ULTRA DEEPWATER RIGID & FLEXIBLE PIPELAY, HEAVY LIFT,
CONSTRUCTION DP 3 VESSEL



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VERSATILITY

HIGH MANOEUVRABILITY
AND TRANSIT SPEED

CAPABILITY

ULTRA DEEPWATER RIGID REELED/
FLEXIBLE PIPE LAY, HEAVY LIFT
AND CONSTRUCTION

RELIABILITY

DP3, ICE-CLASS, HELIDECK

TECHNICAL SPECIFICATIONS*

SPECIFICATIONS

Length Overall: 178.0 m
Breadth Moulded: 46.0 m
Depth Moulded: 15.6 m
Draft Max: 10.5 m
Deck Area: 4,200 m²
without reels
DP Dynpos Autro
(DP3) Cranes: 1 x 3,000 mt Huisman
Offshore Mast Crane
Pipe Lay Type: Rigid and Flex Systems,
through moonpool
Pipe Lay Capacity: Rigid: 4" - 16" OD
Flexible: 4" - 24" OD

CLASSIFICATION

Det Norske Veritas
DNV 1A1 Ship Shaped Pipelaying
Vessel, Dynpos Autro, ICE-1A, Clean

DESIGN

Held-SH, Crane, EC0, BIS, COMF (V3,
C3), NAUT-OSV (A)

PROPULSION / DP

Stern Azimuth Thruster AFT: 2 x Rolls
Royce Aquamaster, 5,500 kW ea
Stern Azimuth Thruster Aft: 2 x Rolls
Royce Aquamaster, 2,000 kW ea
Retractable Thruster Fwd: 2 x Rolls
Royce Aquamaster, 3,000 kW ea
Bow Thrusters Tunnel Fwd: 2 x Rolls
Royce, 2,700 kW ea
Bow Thruster Tunnel Fwd: 1 x Rolls
Royce, 1,420 kW ea

DYNAMIC POSITIONING

DP 3 System: KONGSBERG
DP Position Reference Interface
Taut Wire
DGPS: 2
Laser Reference: 1 x CyScan,
1 x RadarScan
Acoustic Reference: 2
Gyro: 3
Anemometer: 3
VRU: 3

ELECTRIC POWER GENERATOR

37MW through 12 gensets in 4 engine
rooms

CARGO DECK

Deck Area: 4,200 m² (without reels)

ACCOMMODATIONS

Berth / Cabin: 239 x 1 berth cabin
Total: 239 men

DECK EQUIPMENT

Crane: Huisman Offshore Mast Crane
Main hoist: 3,000 mt at 25 m radius
Aux. hoist: 1,200 mt at 30 m radius
Whip hoist:
1-fall 80 mt, 2000 m hook travel
2-fall 160 mt, 1,000 m hook travel
Handling Crane: 1 x 100T (Static) / 70T
(Dynamic) @ 6.1m

PIPE LAY EQUIPMENT

Type: Combined pipelay tower for reel
lay and flex lay over a moonpool
Tensioners: 2 x 400 mt (Rigid) or
2 x 260 mt
Hang-off Clamp: 900 mt
Pipe Storage: 4 x 1,200 mt reels for
rigid pipe (removable)
2 x 1,250 mt under-deck
carousels for flexible pipe
A & R System: 2 x 600 mt traction
winches, single or tandem use
Steel Wire Rope Capacity: 3,800 m x
125 mm (Ø) each winch

ROV

2 Shilling HD work class systems,
150HP, launchable from ROV hangars
with dedicated moonpools
LARS: 2 x launch and recovery systems
inside the ROV hangars, water depth
3,000 m

HELIDECK

Dimensions: 27.5 m x 27.5 m,
(Sikorsky S-92/S-61N)

* These specifications are intended for general reference purposes only, and may vary according
to the contract situation and customer needs.

With its multi-lay system, superior manoeuvrability, DP3 System and Ice Class notation, the Constellation is the latest addition to Saipem's fleet of world-class pipelay and heavy lift vessels. It is suitable for deep to ultra deepwater field development projects worldwide and is designed to deliver complex projects safely and efficiently.

DO YOU KNOW...

THAT THE CONSTELLATION
BOASTS A 800-TON MULTI-LAY
SYSTEM FOR RIGID/FLEXIBLE
PIPELAY WITH HEAVY IN-LINE
SUBSEA STRUCTURE HANDLING
SYSTEM AS WELL AS A 3,000-
TON MAST CRANE FOR HEAVY
LIFT OPERATIONS?