

JASCON 18

DP-3 PIPELAY / CRANE / CONSTRUCTION VESSEL



The ship shaped Jascon 18 with its twin working decks is the deepwater flagship of the Sea Trucks Group's construction vessel fleet. Jascon 18 will be one of the last vessels to be delivered in the group's seven vessel new-build pipe-lay / construction programme, each of which have DP3, large clear working decks, big cranes as well as large-scale offshore accommodation capacity.



The hybrid configuration of the vessel makes it suitable to execute a wide variety of marine construction and pipe-lay tasks in both the SURF and conventional pipe-lay and platform installation markets, both in ultra deep-water and continental shelf environments.

- Length 150.00 m
- Breadth 36.80 m
- Propulsion system: diesel-electric
- Total thruster power 23,000 kW
- Class III DP system
- Clear deck area, approx: 1800 m²
- S-lay pipelay system below maindeck, 3 x 200 t tensioners, 120 m stinger
- 1600 t Main crane, heave compensated, with underwater capability
- 2 Auxiliary deck cranes
- Accommodation for up to 400 persons
- Moon pool 8.00 x 5.80 m at SB

SPECIFICATIONS

GENERAL

- Classification: ABS, ✕ A1 (E), ✕ AMS, ✕ ACCU, ✕ DPS-3, CRC
- Flag: Gibraltar

DIMENSIONS

- Length, overall: 150.00 m
- Breadth: 36.80 m
- Depth: 15.10 m
- Operating draft: 6.00 m

MACHINERY

- Propulsion thruster system: diesel-electric
- Generator sets: 8 x 3580 kW each, 6.6 kV, 60 Hz, 3 phase, make EMD/Kato
- Emergency/Harbour generator set: 1368 kW, 440 V, 60 Hz, 3 phase, make Caterpillar

THRUSTERS

- Stern thrusters: 2 x FPP azimuth, 3000 kW each
 - Aft thrusters:
 - 2 x FPP azimuth (retractable type), 2400 kW each,
 - 2 x FPP azimuth (retractable type), 1800 kW each
 - Forward thrusters: 3 x FPP azimuth (retractable type), 2400 kW each
 - Bow thruster: 1 x electrically driven, 1720 kW
- All thrusters make Rolls Royce

MOORING SYSTEM

- Windlass: 2 x anchor windlasses
- Cargo barge mooring: 2 x constant tension mooring winches and 2 x electrically driven bollards

POSITIONING SYSTEM DPS-3

- Kongsberg Simrad SDP22 on working/navigation bridge with SDP12 control station at DP back-up room
- Reference systems:
 - 1 x Radius 1000
 - 2 x DGPS receivers
 - 3 x Gyro compass
 - 3 x Motion reference units
 - 3 x Wind sensors
 - 1 x Hipap 500
 - 1 x Lightweight Tautwire

PIPELAY EQUIPMENT

- Concept: central slot single joint S-lay system below main deck
- Capacity: 4" – 48" diameter pipe (60" including coating)
- Tensioners: 3 tensioners, 200 t each
- Workstations Firing Line: 4 welding stations, 1 NDE (X-ray or ultrasonic) / repair station, 2 coating stations
- Workstations Piggy Back Line: 3 welding stations, 1 NDE repair station
- Davits (stored on board): 5 x with load cells, capacity 60 t each
- A & R system: 2 x SWL 300 t in Firing Line, up to 4000 m x 90 mm wire
- Stinger: length up to 120 m

CRANES

- Main crane: Mast crane, 1600/1200 t revolving, underwater capacity 300 t @ 3000 m + heave compensated, make Huisman-Itrec
- Auxiliary deck crane: 2 x Pedestal type, 40 t @ 40 m make TTS

ACCOMMODATION

- Fully air-conditioned permanent accommodation for up to 400 persons, in cabins all with individual bathroom facilities. Including conference room, offices, cinema, gymnasium, prayer room, recreation room, laundry as well as a medic room with hospital

HELIDECK

- Suitable for Sikorsky S-92A Helibus

ADDITIONAL DATA

- Clear deck area, approx: 1800 m², loading capacity 10 t / m²
- Firefighting equipment: 2 x main fire pumps at 200 m³/hr each. On the helideck a fixed foam system with 3 monitors
- Sewage treatment: sewage treatment plant with nil overboard discharge
- Rescue boat: fast rescue boat with A-frame type Davit
- 4 x life boats 100 persons each
- Moon pool 8.00 x 5.80 m at SB