



SPS-27960

## Platform Supply Vessel 4500

Jensen presents the latest in Platform Supply Vessel designs, the Jensen 4500. Vessel is designed for a wide variety of operations to suit the Owner's needs. This medium sized heavy duty, general purpose platform service vessel, has nominal firefighting capability and dynamic positioning. The PSV shall be of steel construction, diesel powered with azimuthing stern drives, single stern thruster and bow thrusters forward, SOLAS, USCG, DPS2 and classed by The American Bureau of Shipping. The vessel is designed to carry multiple types of deck and hold cargoes.

Propulsion is twin azimuthing stern drives, diesel-electric or hybrid electric-mechanical propulsion per owner requirements. Though conventional propeller/nozzle installations can also be accommodated. The PSV's main machinery is diesel electric, with the potential for full DP2 capability. Tunnel or drop down bow thrusters can be installed to suit the mission. Firefighting equipment to suit FFVS Class 1 or 2 requirements can be installed. The boat shall be fitted with ballast/drill water tanks, as well as black and gray water tanks for operation in a No Discharge zone. Dry cargo and liquid bulk cargo capacities and segregations can be configured to suit owner's specific needs.

The design of the vessel incorporates features with an emphasis on the protection of the environment. Hull structure is developed to significantly reduce construction man-hours, which will also translate into reduced maintenance costs down the road.



# Vessel Specifications

## Overall Dimensions

|                |                                    |                      |   |
|----------------|------------------------------------|----------------------|---|
| Length         | 85 m (279'-0")                     | Deck Area            | 860 m <sup>2</sup> (9,260 sq ft)                        |
| Breadth        | 18.2 m (60'-0")                    | Deck Strength        | 5 MT per m <sup>2</sup> (1,000lbs per ft <sup>2</sup> ) |
| Depth          | 7.3 m (24'-0")                     | Liquid Mud           | 2200 m <sup>3</sup> (13,600 bbl)                        |
| Draft          | 5.5 m (18'-0")                     | Main Generators      | 4 x 1,850 kW  |
| Accommodations | 28 persons                         | Emergency Generators | 1 x 200 kW  |
| DWT            | 4,500 long tons                    | Main Thrusters       | 2 x 2,500 kW  |
| Fuel Oil       | 1,325 m <sup>3</sup> (350,000 gal) | Bow Thrusters        | 2 x 750 kW  |
| Lube Oil       | 17 m <sup>3</sup> (4,500 gal)      | Fire Pumps           | 2 x 5,500 GPM   |
| Fresh Water    | 225 m <sup>3</sup> (60,000 gal)    | Cruising Speed       | 14 knots  |

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