ICEBREAKING SUPPORT VESSEL

- Primary tasks of the vessel:
- Year-round supply of offshore platforms with stores, materials and equipment needed for drilling, production, construction, etc
- Ice management, either through ramming with the hull or by flushing and milling the ice using the vessel’s propellers
- Continuous ice-season platform stand-by with rescue capacity for 195 survivors.
- Secondary tasks:
- Oil spill recovery
- Fire fighting
- Ocean towage
**MAIN DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length o.a.</td>
<td>100.00 m</td>
</tr>
<tr>
<td>Length p.p.</td>
<td>89.30 m</td>
</tr>
<tr>
<td>Breadth mid</td>
<td>21.60 m</td>
</tr>
<tr>
<td>Depth to main deck</td>
<td>11.50 m</td>
</tr>
<tr>
<td>Draught</td>
<td>8.00 m</td>
</tr>
</tbody>
</table>

**CAPACITIES**

- **Deadweight:** abt 3950 tonnes
- **Fuel oil vessel:** abt 1200 m³
- **Fuel oil cargo:** abt 2150 m³
- **Fresh water:** abt 220 m³
- **Potable water:** abt 300 m³
- **Water ballast / drillwater:** abt 1500 m³
- **Liquid mud:** abt 240 m³
- **Brine:** abt 140 m³
- **Cement:** abt 100 m³
- **Barite/Bentonite:** abt 200 m³
- **Recovered oil:** abt 1050 m³

**ICE PERFORMANCE**

3 knots ahead and astern, in 1.5 m of first-year level ice with 20 cm of snow cover.

**CLASS**

DNV +1A1 Icebreaker, PC-4, Supply Vessel, SF, DK(+), HL(2.2), DYNPOS-AUT, E0, TUG, WINTERIZED COLD (t1 -35, T2 -40), BIS, FIREFIGHTER 1, STANDBY VESSEL (195), NAUT-OC, OILREC, CLEAN, COMF C (3)

**MACHINERY AND PROPULSION**

- **Diesel electric propulsion configuration**
- **Main engines:** 8L38 2 x 5800 kW
- **Main generators:** 6L38 2 x 4350 kW
- **Main 360 deg propulsion units:** 2 x 8400 kW
- **Sidethrusters:** 2 x 1300 kW
- **Emergency diesel generator:** 500 kW

**SPEED**

- **Speed:** abt 17 knots
- **Bollard pull:** abt 250 tonnes

**WINCH**

- **Anchor handling winch max. pull:** 200 T
- **Brake load:** 500 T
- **Stern roller:** Dia. 2.4 m

**REFERENCE**

- **Design ID:** VS 4415 IBSV
- **Reference number:** 4223
- **E-mail for info:** shipdesign@wartsila.com

Details are believed to be correct but not guaranteed.