The Vospower Water Jet is a compact, lightweight and powerful propulsion system. A single jet can power a two-ton planing vessel, and suitable configurations are also available for displacement and semi-displacement hulls. Refined yet simple design makes the Water Jet easy to maintain in place or remove for overhauls. Durable materials and rugged construction ensures long-term reliability.

Features

- Suitable for planing, displacement and semi-displacement hulls.
- Single stage, mixed flow pump design for the most efficient performance.
- Full range of cast aluminum-bronze impellers available to meet the horsepower requirements of the vessel. Impeller clearance is adjustable.
- Rubber lip seals.
- Comprehensive cathodic protection system is included.
- Easily maintained via the access cover on the top of the unit.
- Couplings available to match intermediate shaft.
- Bronze grill/stone guard.
- Tapered front roller bearings to absorb thrust and radial forces.
- Control forces on steering and reverse are nominally zero. Simple mechanical controls (customer supplied) are normally used.
**Impeller Range**

![Impeller Range Graph]

**Water Jet Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Rating</td>
<td>30 to 220 kW</td>
</tr>
<tr>
<td>Max. Shaft Speed</td>
<td>40 to 300 HP</td>
</tr>
<tr>
<td>Max. Shaft Speed</td>
<td>4500 rpm</td>
</tr>
<tr>
<td>Moment of Inertia</td>
<td>0.705 ft-lbs.^2</td>
</tr>
<tr>
<td>Impeller Diameter (at inlet)</td>
<td>9.0&quot; 228mm</td>
</tr>
<tr>
<td>Nozzle Diameter (standard)</td>
<td>5.7&quot; 145mm</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>154 lbs. 70 kg.</td>
</tr>
<tr>
<td>Entrained Water Including External Overhang</td>
<td>70 lbs. 32 kg.</td>
</tr>
</tbody>
</table>

**Thrust Curves**

![Thrust Curves Graph]

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