

Vospower™ Water Jet

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

- ✓ Highest quality materials and workmanship. Major components machined to US military standards in our own ISO 9001:2008 certified facility. Cast aluminum body anodized for hardness. Stainless steel shaft, wear ring and hardware.
- ✓ 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.



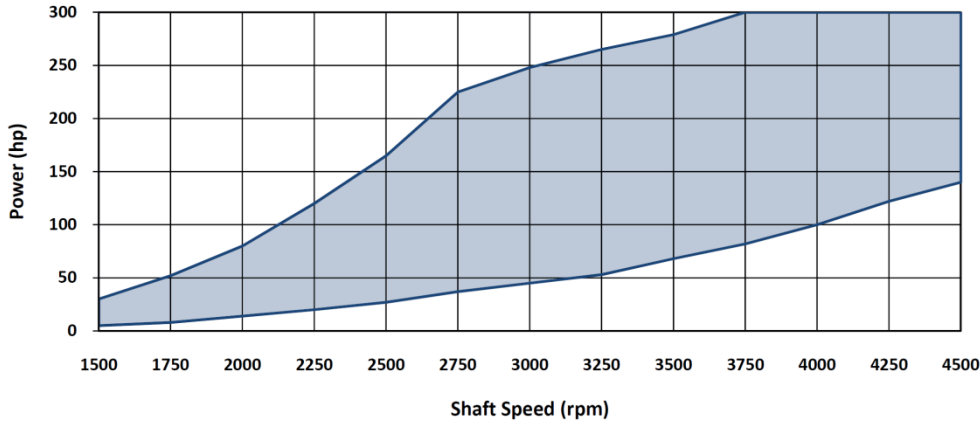
- ✓ Rubber lip seals.
- ✓ Comprehensive cathodic protection system is included.
- ✓ Easily maintained via the access cover on the top of the unit.
- ✓ Couplings available to match intermediate shaft.
- ✓ Bronze grill/stone guard.
- ✓ Tapered front roller bearings to absorb thrust and radial forces.
- ✓ Control forces on steering and reverse are nominally zero. Simple mechanical controls (customer supplied) are normally used.



Full Range of Cast Aluminum-Bronze Impellers



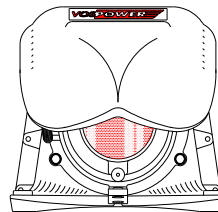
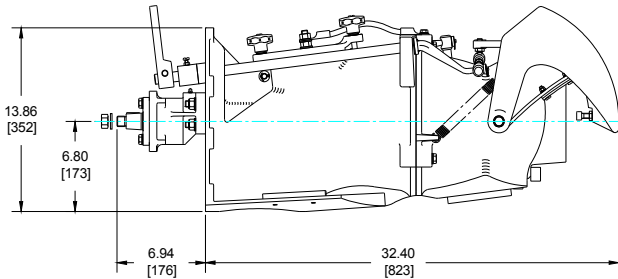
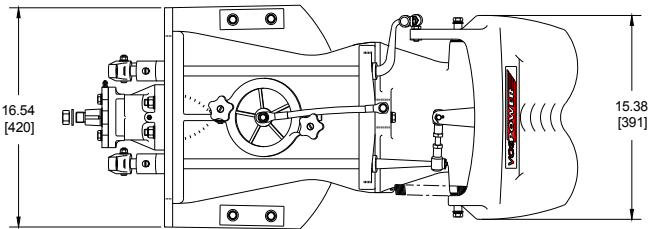
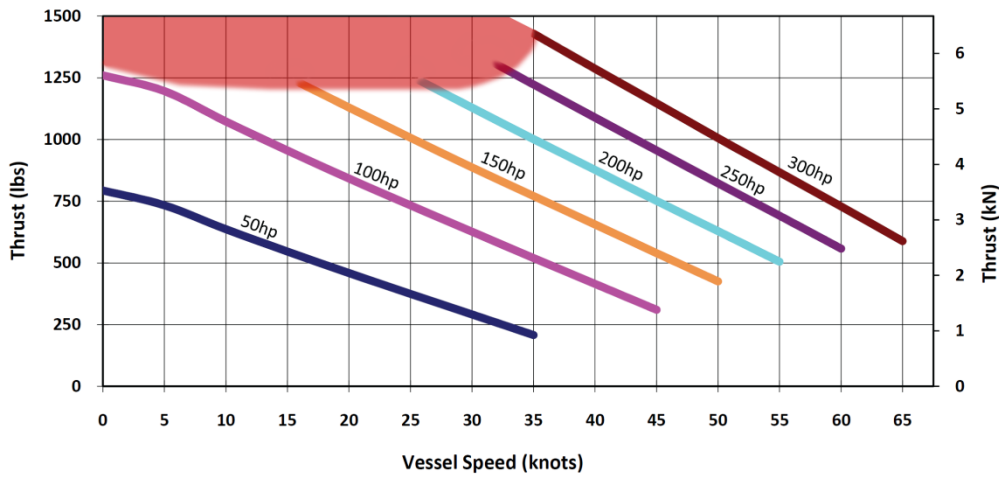
Impeller Range



Water Jet Specifications

Nominal Rating	30 to 220 kW 40 to 300 HP
Max. Shaft Speed	4500 rpm
Moment of Inertia	0.705 ft-lbs. ² 0.03 kg-m ²
Impeller Diameter (at inlet)	9.0" 228mm
Nozzle Diameter (standard)	5.7" 145mm
Unit Weight	154 lbs. 70 kg.
Entrained Water Including External Overhang	70 lbs. 32 kg.

Thrust Curves



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