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



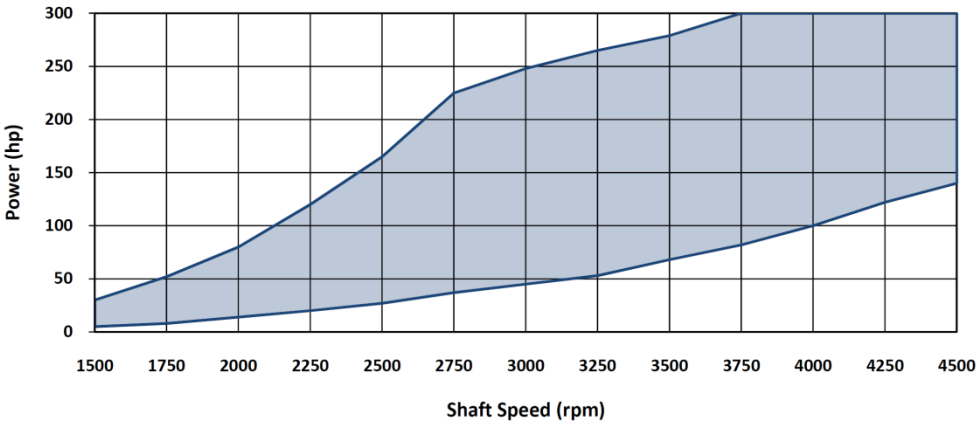
- ✓ Highest quality materials and workmanship. Major components machined to US military standards in our own ISO 9001:2015 certified facility. Cast aluminum body anodized for hardness. Stainless steel shaft, wear ring and hardware.
- ✓ Suitable for planing, displacement and semi-displacement hulls.
- ✓ 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.



Full Range of Cast Aluminum-Bronze Impellers

- ✓ 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.

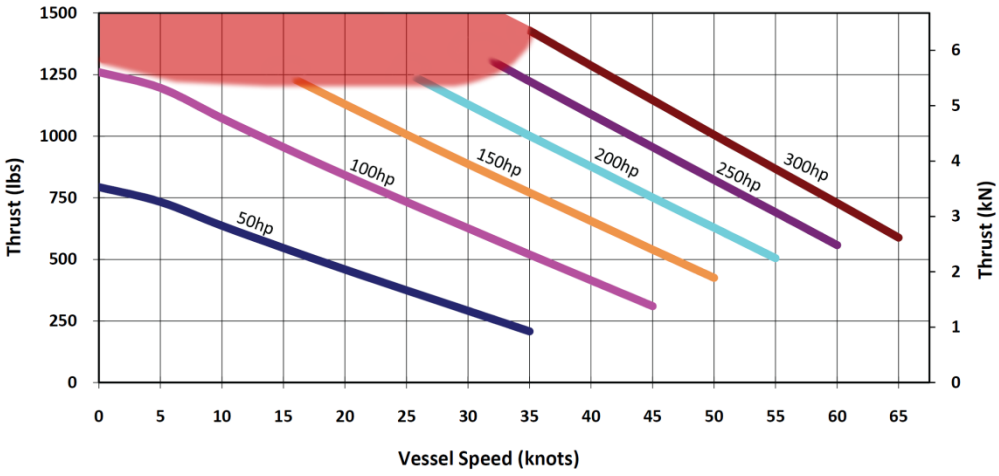
Impeller Range

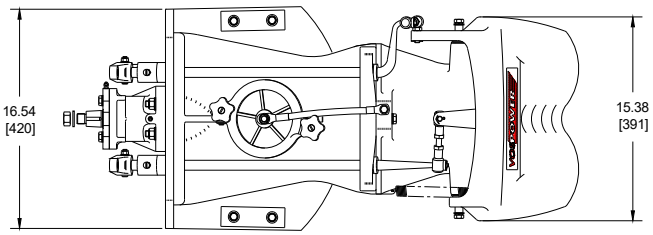


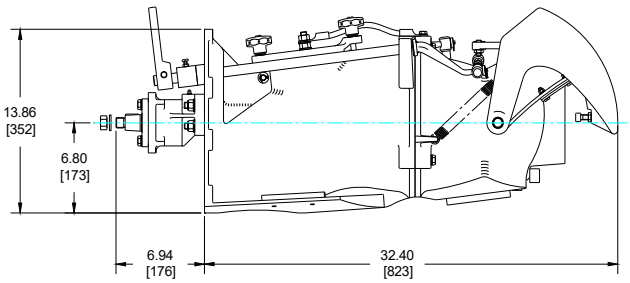
Water Jet Specifications

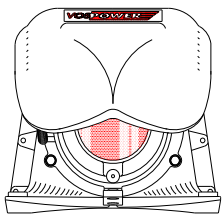
Nominal Rating	30 to 220 kW 40 to 300 HP
Max. Shaft Speed	4500 rpm
Moment of Inertia	0.705 ft-lbs.^{2} 0.03 kg-m^2
Impeller Diameter (at inlet)	9.0” 228mm
Nozzle Diameter (standard)	5.7” 145mm
Unit Weight	154 lbs. 70 kg.
Entrained Water Including External Overhang	70 lbs. 32 kg.

Thrust Curves









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