

Hamilton Jet Model HJ274
 Application Review

New Jet-Powered Catamaran Fills Diverse Fishing Roles



New California-based boat builder, Moose Boats, unveiled its first innovative vessel at the New Orleans Work Boat Show in late 2001. The 'Moose J3200' combines Hamilton Waterjet propulsion in a 10-metre symmetrical catamaran hull, and is specifically designed to be operator friendly and rugged, and offer value for money in a variety of roles.

The Moose J3200 can be outfitted and equipped for a variety of uses, including patrol, rescue, diving, fire-fighting, commercial and sports fishing, and general pleasure cruising.

The symmetrical design of each hull provides speed, stability and a smooth ride, with the ability to perform in almost any sea condition. Emphasis is placed on safety, functionality and performance – which is why twin Hamilton Waterjets were included in the design specifications.

A Hamilton Model HJ274 waterjet in each hull is

driven by a Cummins engine via a ZF reversing gearbox. This propulsion setup gives excellent fuel economy, low maintenance requirements and long engine life. The J3200 carries 1100 litres of fuel and at cruising speed of 29 knots has a range of over 350 nautical miles.

Hulls are constructed on steel jigs to help maintain hull form during assembly and welding. This eliminates the need for transverse frames, which in turn reduces weight and adds strength, stiffness and durability to the hulls.

▶ Brief Specifications

TYPE: Moose J3200	WATERJETS: Twin Hamilton Model HJ274
SERVICE: Multi-Purpose Work Boat	ENGINES: Twin Cummins diesel engines Model 6BTA5.9 M3, each 246kW (330hp) @ 2800rpm
LENGTH: 10.33 metres [LOA]	GEARBOXES: ZF model 88C, 1:1 reversing
BEAM: 3.35 metres	DESIGNER/BUILDER: Moose Boat Company, Nicasio, California, USA
DRAUGHT: 0.57 metres	Hamilton Jet DISTRIBUTOR: Boatswains Locker Inc, Costa Mesa, California, USA
CONSTRUCTION: Aluminium	
SPEED: 34 knots [maximum]	

Moose Boats set out from its inception in August 2000 with the aim to develop a range of power catamarans for both commercial and recreational use. Currently the company offers two waterjet models based on the same hull design, with plans to add further models to its range in future.