



FAST FERRIES



HamiltonJet

The Ultimate in
Waterjet Sophistication



WATERJETS WITHOUT COMPROMISE.

All Round Efficiency. Agile Manoeuvrability. Superior Durability.

HamiltonJet specialises in waterjets and vessel control systems. End-to-end integration, interface simplicity and reliability have seen our jets and controls become the most successful products available to the global marine industry today.

We've placed 60,000 waterjets into all manner of vessels around the world. We undertake our own R&D, casting, machining and assembly. We combine this expertise with rigorous testing and refinement to deliver quality and performance.

With HamiltonJet, fast ferry operators can have absolute confidence our waterjets represent the pinnacle of all round efficiency, agile manoeuvrability and durability.

ALL ROUND EFFICIENCY

For fast ferry services, HamiltonJet delivers unrivalled dock-to-dock efficiency.

Swift Turnarounds

Successful ferry operations require fast turnarounds. Through our pump dynamics and high cavitation margins, ferry operators can turn faster and apply more power to accelerate to service speeds.

Higher Payload Capability

Superior thrust margins mean HamiltonJet-propelled ferries can carry higher payloads with less reduction in performance. Delivering more consistent, reliable and economic services.

Course Stability

All our waterjets utilise advanced low loss steering systems which save fuel when course keeping and minimise speed loss in turns.





AGILE MANOEUVRABILITY

We combine our highly efficient steering system with our split duct deflector to deliver unrivalled vessel responsiveness. Combining these capabilities saves fast ferry operators both time and money through faster sailings, dockings and turnarounds.

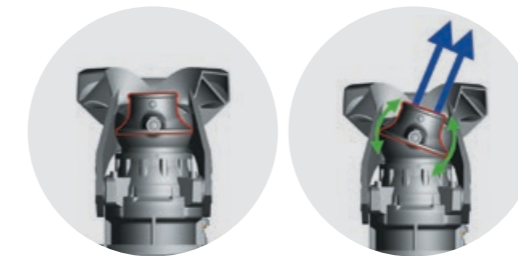
Responsive Steering

Regardless of the steering system you choose (electronic or hydraulic on smaller jets) the vessel will respond precisely and efficiently. Our advanced steering system has zero dead-band in the centre and ensures minimum losses in turns.

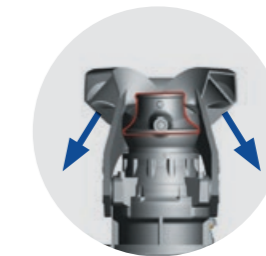
Split Duct Reverse

Our split duct reverse system angles the water under the transom and either side of the intake screen. This avoids recirculation and aeration when reversing. Up to 70% of ahead thrust is available in reverse (jet model dependant).

At low speeds the reverse duct is used to deliver pinpoint manoeuvring and Station Keeping. The jets can vector thrust in 360 degrees, which allows vessels with multiple jets to spin on the spot, move sideways and perform rapid stops - all without bow thrusters. Essential when getting out of a tight spot!



JT Steering

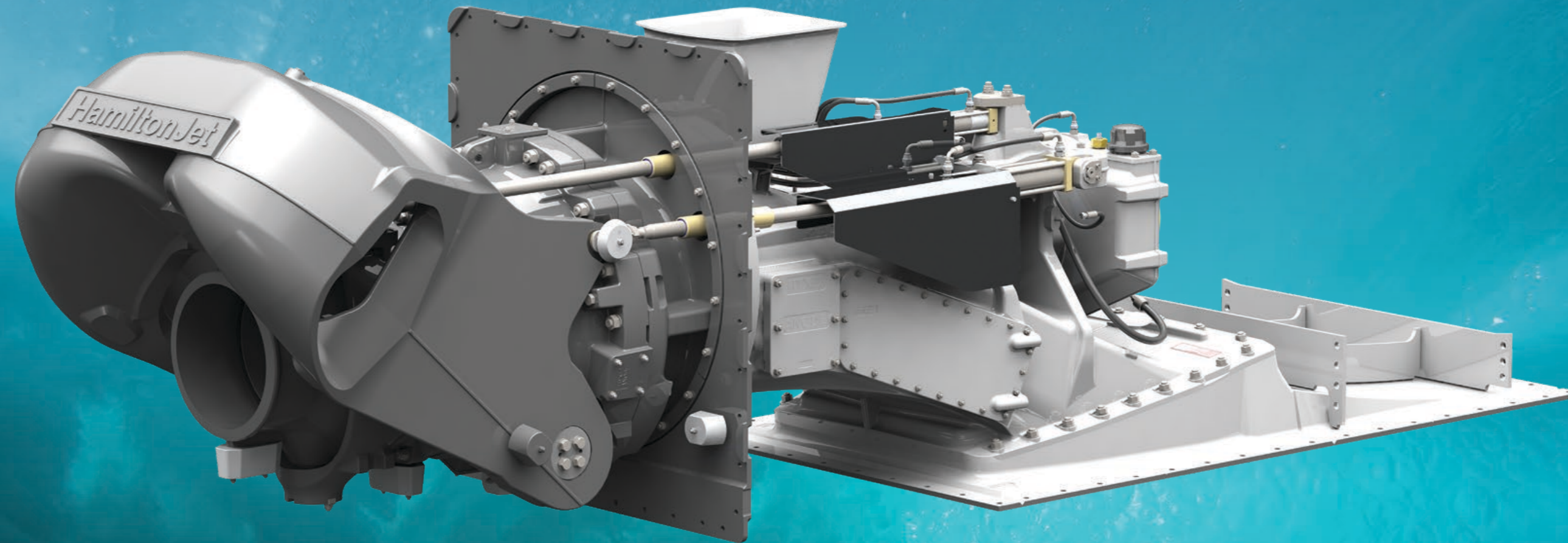


Split Reverse

SUPERIOR DURABILITY

Our uncompromising standards put durability and reliability at the heart of everything we do. Our products work as hard as the vessels they power.

We've thoughtfully designed our waterjets with hard-working fast ferries and workboats in mind. High performance coatings and a scientifically designed anode layout protect your investment and ensure it stands the test of time.



“We’ve had zero downtime in 15 years due to mechanical failure with HamiltonJet. Not every jet provider could say that for us”

DAN ALMAS,
HY-LINE CRUISES

“While waterjets can potentially be the weak link for fast ferries, HamiltonJet’s have been notably good performers, in fact they’ve been bullet proof”

JOHN BURKE, CHIEF ENGINEER
STEAMSHIP AUTHORITIES

Model HTX52



CASE STUDY

Passenger Ferry Aremiti 6

Featuring seating and capacity for over 600 passengers, along with vehicle space, this 49 metre high-speed ferry was built for SNC Aremiti. It sails between Papeete and Moorea in French Polynesia.

Aremiti 6 is fast and reliable. It is powered by four HamiltonJet HT810 waterjets, Aremiti is able to reach a top speed of 36 knots, achieve course stability and carry its high payload comfortably.

Aremiti the epitome of all round efficiency.

VESSEL SPECIFICATIONS

Service: Passenger Ferry

Location: Tahiti

Length: 49 metres

Designer: Austal, Australia

Builder: Austal, Philippines

Owner: SNC Aremiti, Tahiti

HamiltonJet: MECS controls with four HT810 waterjets



CASE STUDY

Passenger Ferry Sealink Pine Harbour Ferry

The Pine Harbour commuter ferry service operates in the inner harbour of Auckland, New Zealand.

'Clipper II' has twin HJ364 waterjets, making it fast and efficient. It is capable of a top speed of over 40 knots, but to remain on schedule, it only needs to maintain 26 knots at a mere 65% MCR. The result is extremely economical fuel consumption. Meanwhile low demand on the vessel's engines has improved reliability and reduced the need for maintenance.

At the other end of the run, the tight docking and manoeuvring in Pine Harbour is easily handled by the vessel's two crew members.

VESSEL SPECIFICATIONS

Service: Passenger Ferry

Location: New Zealand

Length: 15.2 metres

Designer: Teknicraft Design,
Auckland, NZ

Builder: Q West Boatbuilders,
Wanganui NZ

Owner: Sealink NZ

HamiltonJet: blueARROW electronic
controls and twin HJ364 waterjets





CASE STUDY

Passenger Ferry Tai Ji Express Ferry

The Tai Ji Ferry is a 40m Fast Ferry operating between Penghu Island and Mainland Putau in Taiwan.

This ferry transports up to 393 passengers and crew. The speed and manoeuvrability with which this service runs, is thanks to its four HM521 waterjets which have made the vessel's total operational time more efficient and reliable than any other form of propulsion could have provided.

VESSEL SPECIFICATIONS

Service: Passenger Ferry

Location: Taiwan

Length: 40.39 metres

Designer: One2Three, Australia

Builder: Strategic Marine, Vietnam

Owner: Tai Ji Star, Taiwan

HamiltonJet: four HM521 waterjets



WORLD-CLASS PRODUCT SUPPORT

We are backed by more than 70 years in business as the pioneer and market leader in waterjets and controls.

Our product support and parts availability is truly class-leading. With a global network of regional offices and over 50 appointed distributors, help is always on hand. No matter where you are, in the unlikely event of a problem, downtime is minimised.

Our products all come with a commitment to at least 20 years' support after the end of series production*.

*This applies to all HamiltonJet products which reach series production and can be extended longer if a particular project requires it. Beyond this point, we still endeavour to keep you moving where possible.





WORK WITH US

Over the decades we've become trusted partners to boat builders, naval architects and marine operators around the globe. They tell our story better than we do, so if you'd like some references, please get in touch.

Our network is global. Wherever you are, you'll find experienced distributors supported by our own regional office staff to assist you with your project. We'll walk you through the process and can deliver simple or complex projects.

Our market experience is extensive. It covers offshore, pilot, rescue, fire, military, patrol, windfarm, fast ferry, fishing, aquaculture and recreational applications.

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