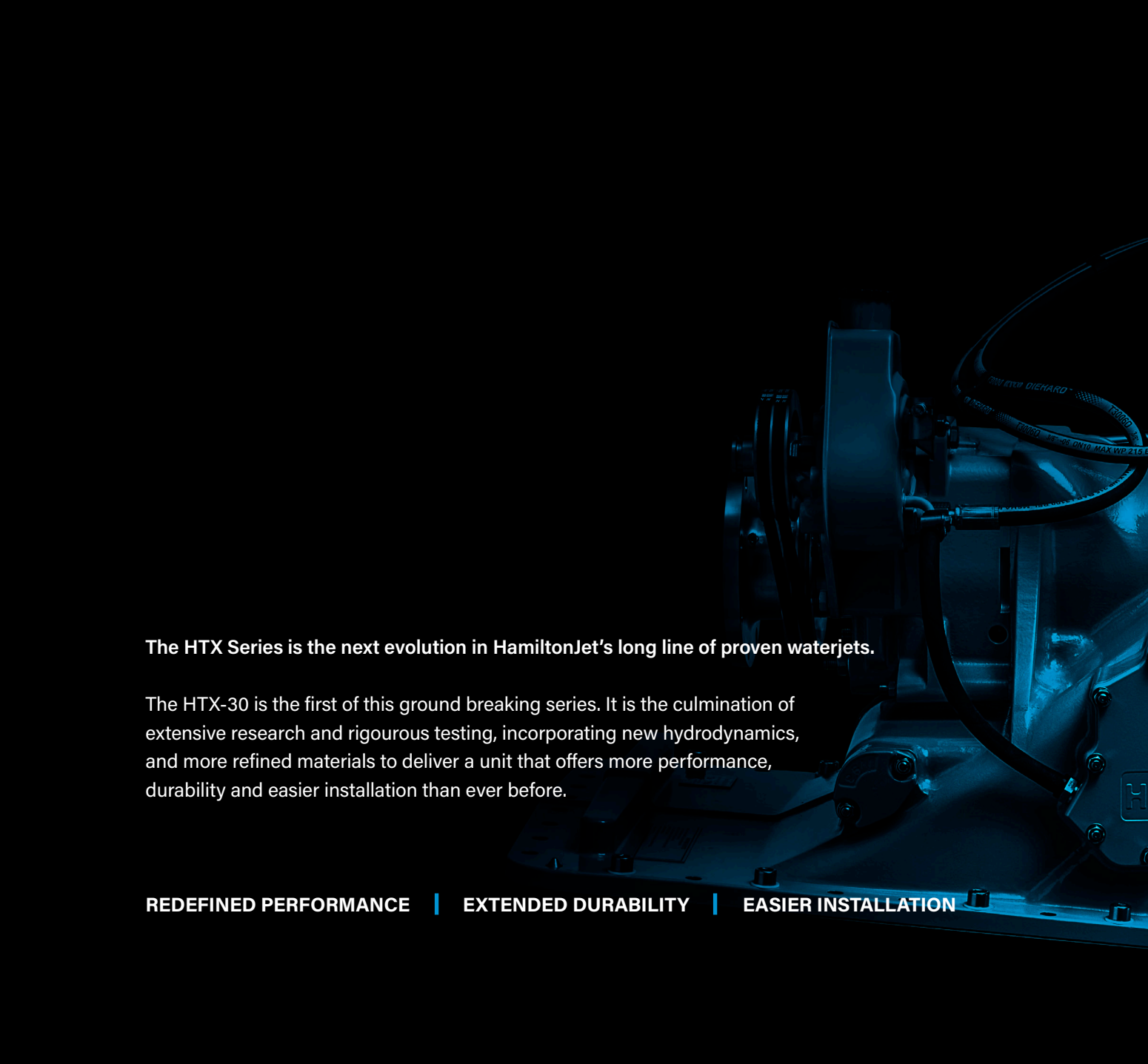


HTX

CO
3



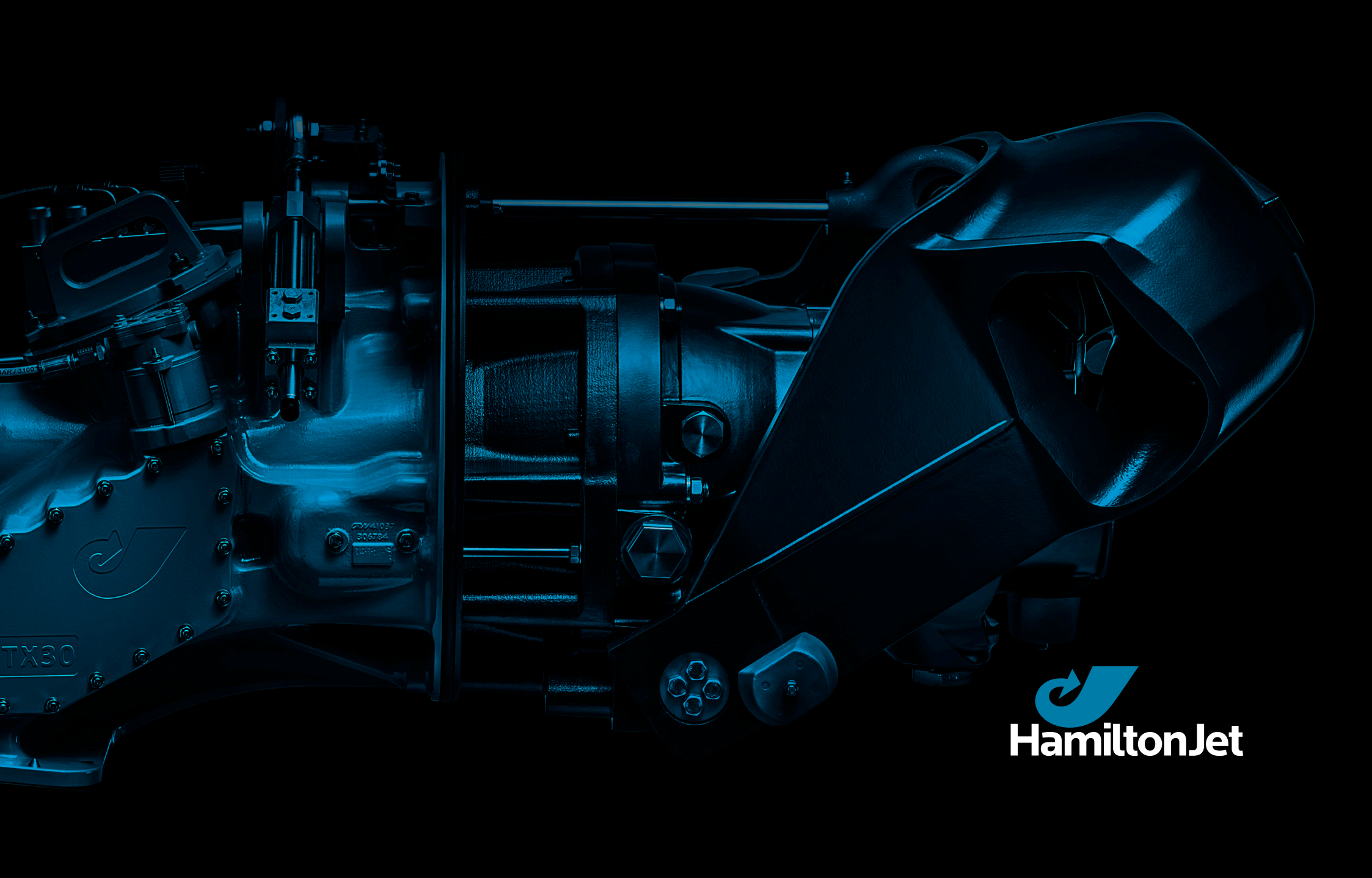
The HTX Series is the next evolution in HamiltonJet's long line of proven waterjets.

The HTX-30 is the first of this ground breaking series. It is the culmination of extensive research and rigorous testing, incorporating new hydrodynamics, and more refined materials to deliver a unit that offers more performance, durability and easier installation than ever before.

REDEFINED PERFORMANCE

EXTENDED DURABILITY

EASIER INSTALLATION



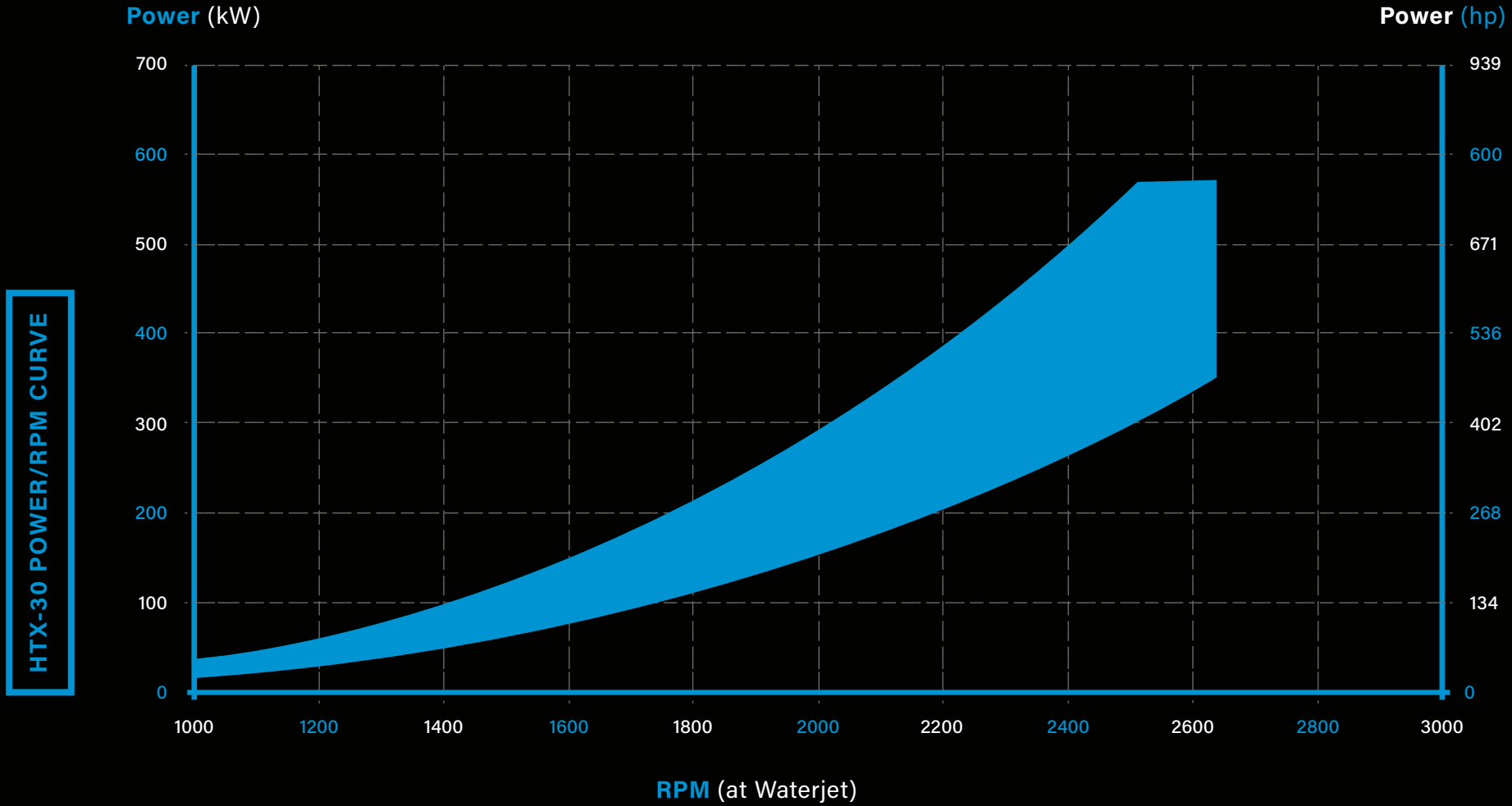
AR / 3100



TX30

HYA1037
306784
306784


HamiltonJet



Input RPM are subject to suitable cavitation limits - lower RPM figure is always preferred. Higher power inputs will restrict input RPM range.



PUSHING WATER JET PERFORMANCE TO NEW LEVELS

Whether it's manoeuvrability or top speed, the HTX-30 offers increased performance across the board, without compromise.

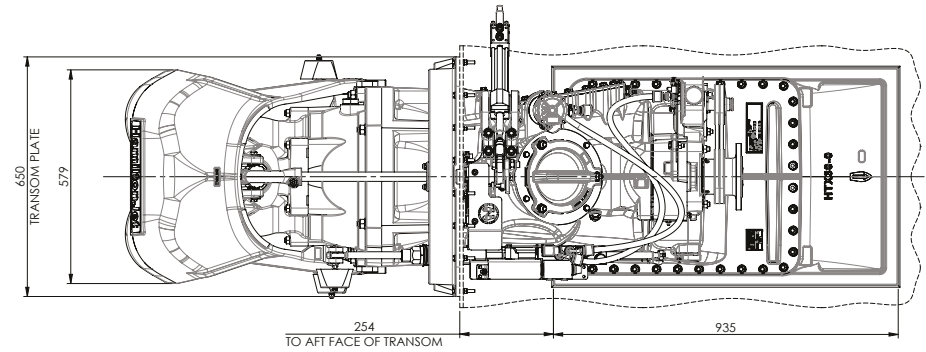
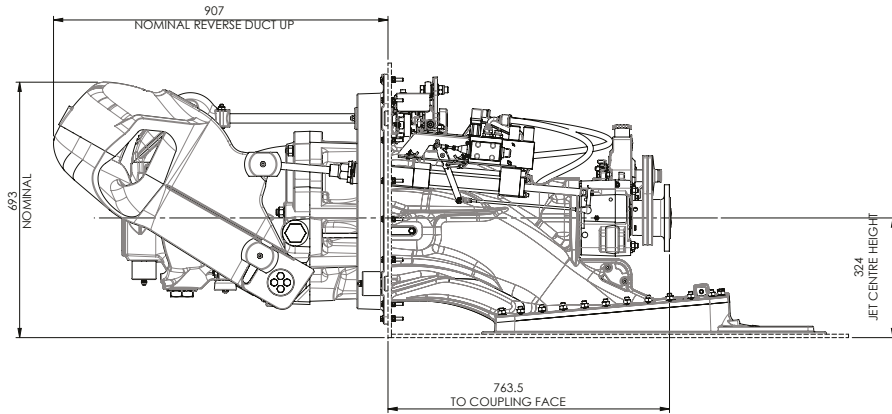
High Speed Thrust Performance: A 7% increase in high speed efficiency over previous models. This translates into higher vessel speeds, or reduced fuel burn and increased range at equivalent speeds.

Maximum Speed Potential: Speeds in excess of 55 knots are possible when combined with the right engine and hull form. Shaft input power can range up to 570skW.

Low Speed Thrust Performance: A 19% increase in maximum static thrust improves manoeuvring response, position holding capability and vessel acceleration.

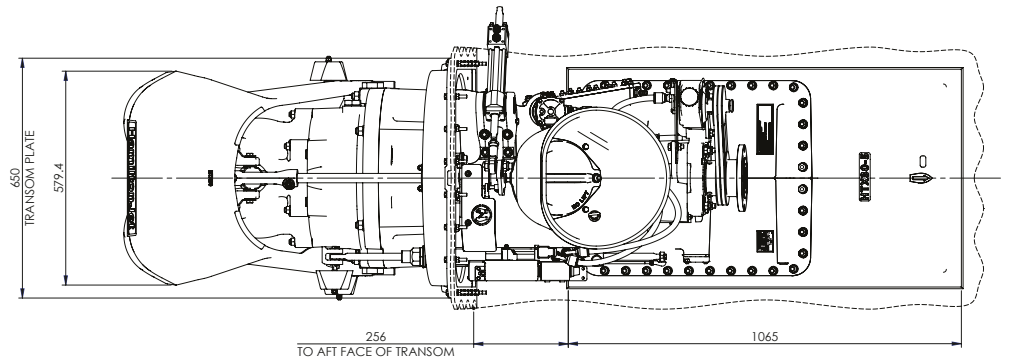
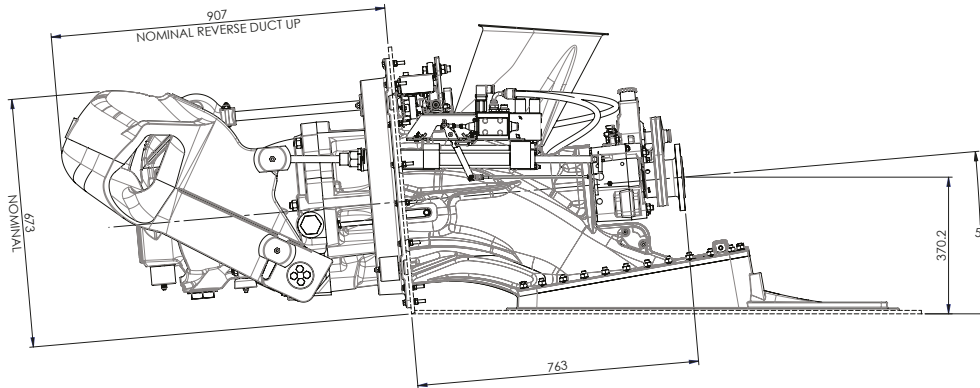
Optimised Steering: The high-efficiency steering system minimises performance loss in turns, whilst the new gimbal steering system improves precision and delivers lower loads at the helm.

INSTALLATION



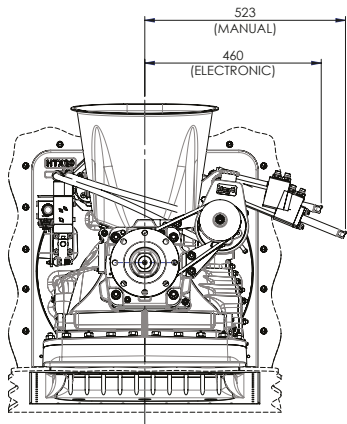
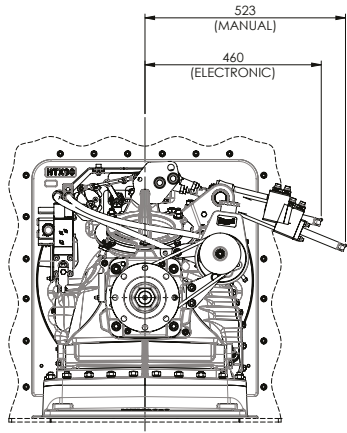
0° Jet

| Jet Model | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | Intake Block (Kg / lbs) | Dry Weight (Kg / lbs) | Entrained Water (Kg / lbs) |
|-----------|---------------|---------------------------------------|--------|--------|---------|--------|--------|--------|-------------------------|-----------------------|----------------------------|
| HTX-30 | 693mm nominal | 907mm (duct up) 1022mm (duct down) | 935mm | 324mm | 763.5mm | 254mm | 579mm | 650mm | 20 / 44 | 381 / 838.2 | 56 / 123.2 |



5° Jet

| Jet Model | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | Intake Block (Kg / lbs) | Dry Weight (Kg / lbs) | Entrained Water (Kg / lbs) |
|-----------|--------|---------------------------------------|--------|---------|--------|--------|--------|--------|-------------------------|-----------------------|----------------------------|
| HTX-30 | 693mm | 907mm (duct up) 1022mm (duct down) | 1065mm | 370.2mm | 763mm | 256mm | 579mm | 650mm | 20 / 44 | 381 / 838.2 | 56 / 123.2 |



Note: The overflow preventer is an optional extra, as shown in the 5° installation drawing.

Layouts and dimensions shown are only indicative for initial design purposes, based on jets with standard 0° and 5° Intake blocks.

Weights based on standard 0° and 5° Intake block option. Contact HamiltonJet for further information.

A COMPACT WATERJET THAT MEASURES UP

With its compact foot print and low-profile design the HTX-30 delivers greater efficiency in a smaller unit, freeing up space and streamlining builds. Better yet, fully integrated hydraulics and controls use space efficiently to make incorporating the HTX-30 into your platform easier.

Waterjet Installation: The compact size of the HTX-30 reduces installation costs, with a fully integrated hydraulic system and simplified through-transom installation process.

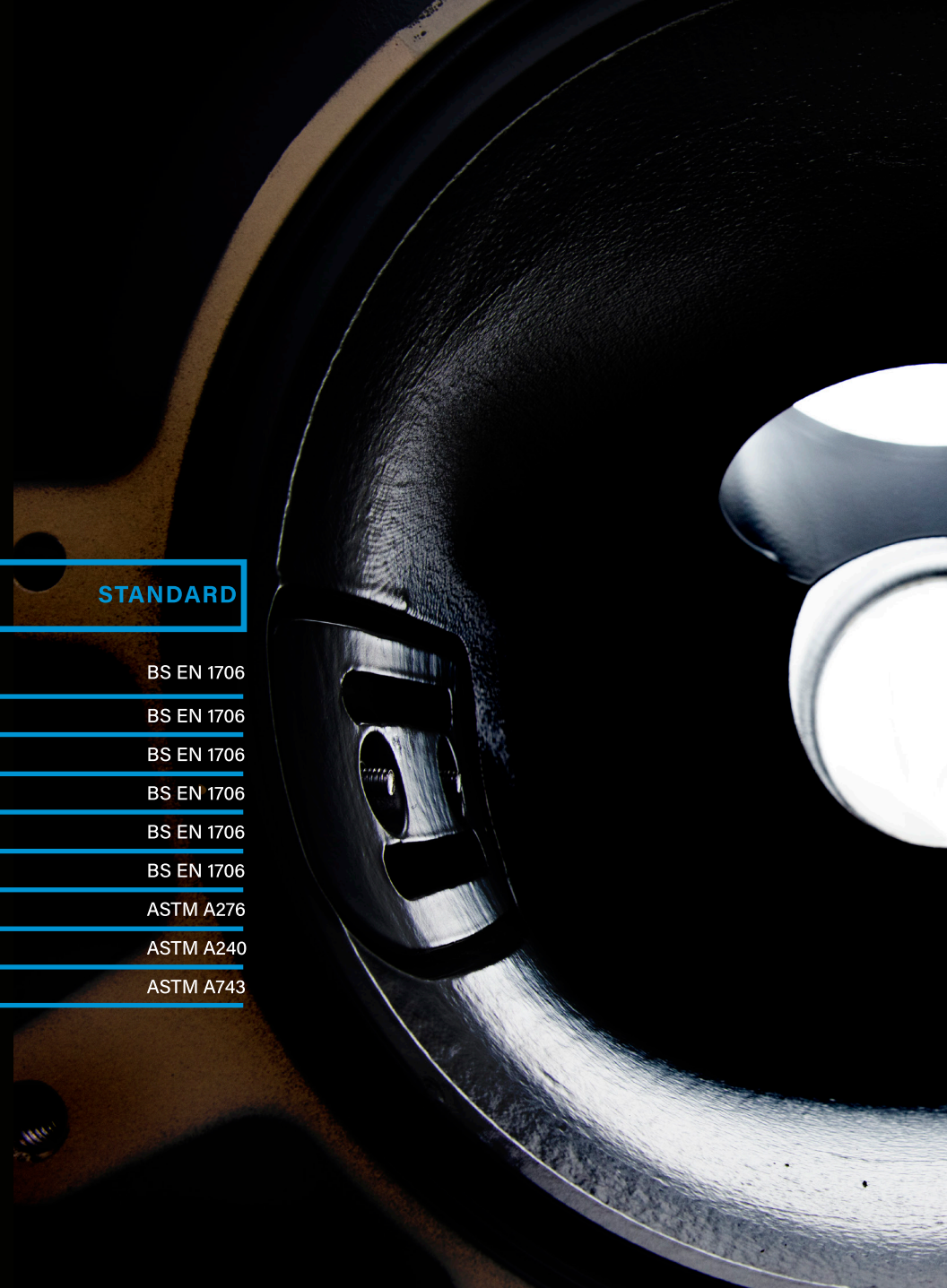
Powertrain Compatibility: The HTX-30 is compatible with a diverse range of engines from global manufacturers. Our wide range of impeller ratings allow optimal engine and gearbox selection, and in some cases even allow direct-drive, to reduce drivetrain cost and complexity.

Distributor Capability: Advanced support and parts availability through our class-leading distributor network means that in the unlikely event of a problem, trouble-shooting happens quickly and downtime is minimised.

Control with choice: The HTX-30 is available with a range of control options, from hydraulic steering and servo-hydraulic reverse, to fully electronic controls with blueARROW or the new AVX system.

M A T E R I A L S P E C I F I C A T I O N S

| COMPONENT | MATERIAL | STANDARD |
|-----------------------------|--|------------|
| Transition Duct | EN AC 44100 Marine Grade Aluminium | BS EN 1706 |
| Intake Material | EN AC 44100 Marine Grade Aluminium | BS EN 1706 |
| Stator Material | EN AC 44100 Marine Grade Aluminium | BS EN 1706 |
| Nozzle Material | EN AC 44100 Marine Grade Aluminium | BS EN 1706 |
| Steering Deflector Material | EN AC 44100 Marine Grade Aluminium | BS EN 1706 |
| Astern Deflector Material | EN AC 44100 Marine Grade Aluminium | BS EN 1706 |
| Mainshaft Material | 2205 Duplex Stainless Steel | ASTM A276 |
| Wear Ring Material | 2205 Duplex Stainless Steel (replaceable) | ASTM A240 |
| Impeller Material | CF8M Cast Stainless Steel | ASTM A743 |
| Anode Material | High energy Aluminium type (Internal and External) | |





WE WORK HARDER TO MAKE SURE A HAMILTONJET WORKS HARDER.

To meet our exacting standards, we pride ourselves on manufacturing as much componentry as possible in-house. Vertical integration ensures we deliver the durability and long-life our customers demand in their high-work rate vessels.

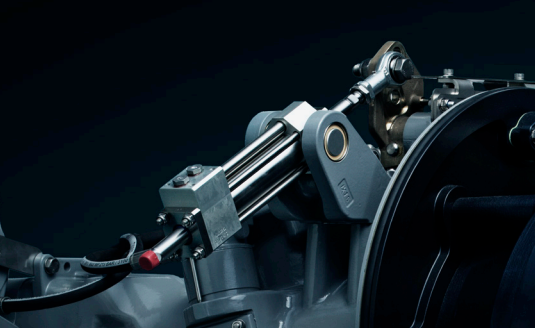
Refined gimbal steering system offers 1/3 the wear rate of the current ball-crank system and improved transom seal robustness.

Outstanding corrosion performance through material selection, refined anode layout and optimised coating systems.

An incredible 10x greater corrosion resistance in challenging brackish waters.

Extended anode life to improve service intervals - Internal anodes last 2 years which means work can be easily aligned with other scheduled maintenance.

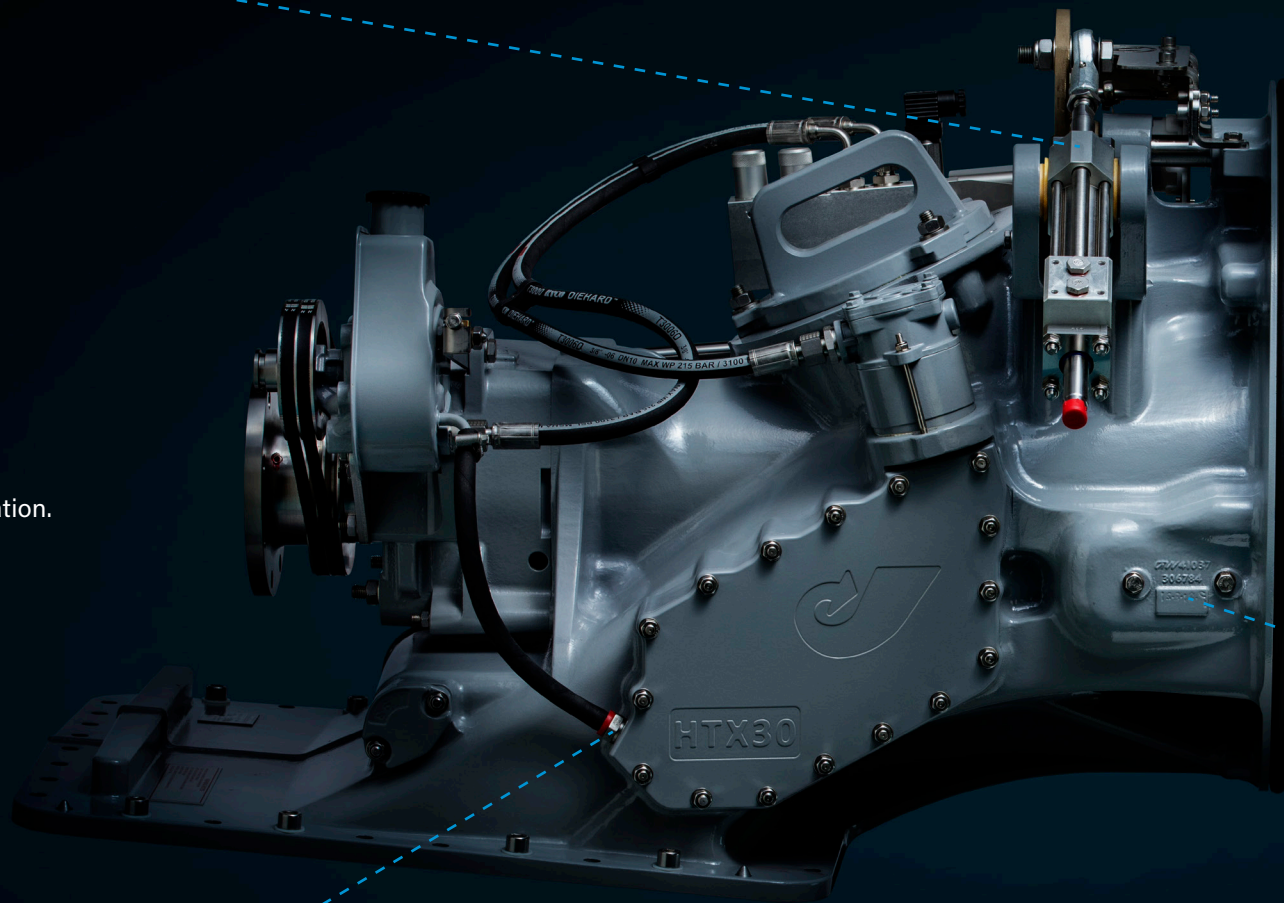
Improved hydraulic sealing - Robust scraper seals employed to prevent contamination damage and seal pack life tested over millions of cycles.



Refined hydraulic seal design extends service life and makes seal cartridge servicing easier.

Compact inboard footprint with fully integrated hydraulics, means easier, more cost-effective installation.

New hydrodynamic design delivers 7% more high speed efficiency for speeds up to 55 knots. A 19% increase in static thrust creates more bollard pull, class leading manoeuvrability and position holding capability.





The high efficiency, low wear steering system offers precision and performance without compromise in the turn.

Optimised coatings and refined anode layout extended component life and service intervals.

Thoughtfully designed fairings are adopted to smooth the flow of water through the intake passage, improving efficiency.



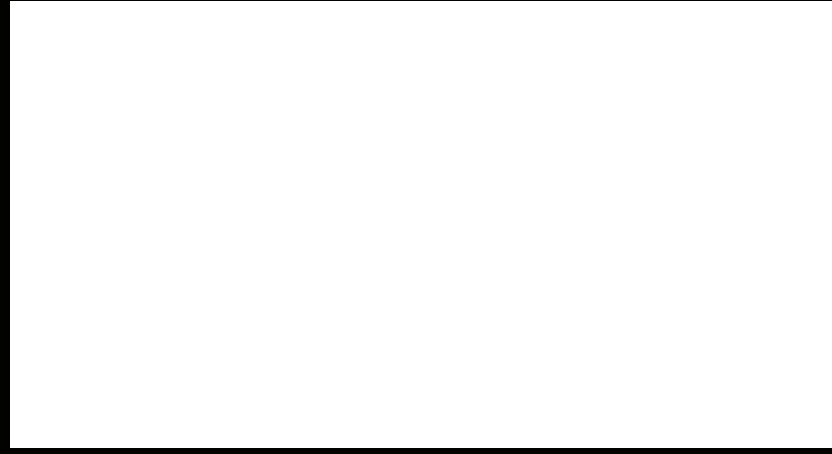


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For over 60 years HamiltonJet have specialised in delivering world-leading waterjet propulsion systems. We're uniquely lead by engineers with uncompromising standards, putting performance and endurance at the heart of everything we do. The result is a proven series of products that have built our name, and made us the most trusted experts in waterjet technology around the world.

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