

Yachting Pages Awards iAQUA
'Outright Winner'
Best Water Toy of the Year



AquaDart Pro
Product Range 2023



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Take your scuba diving to a whole new dimension

The AquaDart Pro takes scuba diving to a whole new level, allowing you to effortlessly go much further on your dives on one tank of air. This is because you do not get tired swimming against the current or trying to keep up with the fittest members of your group, so use way less air.

Pass uninteresting areas quickly, and go where you choose, with or against the current. Follow the manta's, dolphins and marine life, without being swept away from them along with the current. With an iAQUA, you are in control.

With over 2 hours of run time at cruising speed, you go further, for longer, and with a fast charger, you can be fully charged again in just two hours.

The only dive scooter available with powerful underwater lights

The powerful underwater lights are unique to iAQUA. They are designed to work at depths of up to 45 meters and light up even the darkest corners during an underwater adventure.

They not only illuminate your way and allow your fellow divers to see you but also bring back the beautiful true colours of the marine life and corals when you dive deeper than 12 meters. They also give night divers a whole new dimension allowing you to see the underwater creatures that come to life in the dark.

They are easy to toggle on/off when required, plus another important and key safety feature is that the twin super-bright 1700-lumen headlights provide long-range visibility to passing boats when you surface.



Max depth up to 45m, with programmable safety limits

Depending on the model the AquaDart Pro can dive to depths of 40 to 45 meters but these depths are only for trained professionals.

The dive scooter can be set to a maximum depth of 2, 5, 10, 15, 20, 25, 30, 35, 40 and 45 meters, and once that level is reached, the motor will automatically stop, only restarting when you are at or above the level set. This is a great safety feature and will ensure you do not accidentally stray into deeper waters than planned.

Programmable safety limits ensure free-dive and scuba dive professionals will be certain no group member strays deeper than permitted.

iAQUA recommends a setting of 2m for supervised children under 14 years old and maximum depth settings of 10m for free-diving and 25m for scuba diving.



40m

Max Depth

Pro 680 light/Explorer
Pro 720 Quest

45m

Max Depth

AquaDart Pro 720 Max
770 Xtreme

Aquadart gives you the best free-diving, fun, acrobatics and ocean adventures



Dive with the Dolphins!

For free-divers, the AquaDart Pro can propel you on or under the water at speeds of up to 25 kilometres per hour. It will allow you to literally swim with the dolphins, whizz around beautiful corals, or turn any fun dive into an acrobatic and playful experience. You'll enjoy doing barrel rolls, loops and long graceful turns. The motor is just so powerful too. It will easily pull one, two or three riders without any noticeable difference in performance. No other type of water toy allows you to interact with marine life in the way a professional dive scooter can, and no dive scooter has the performance of AquaDart Pro.

An underwater pocket-rocket

For a real adrenaline rush, the AquaDart Pro 770 Xtreme will propel you from a complete stop to an eye-watering 25 km/h in less than 3 seconds. The 720 Quest and Max will also take less than 3 seconds to reach 21 km/h, and 680 Light and Explorer will reach their top speed also in less than 3 seconds! No other professional dive scooter comes close to matching the power and performance.

For the safety and comfort of scuba-dive and free-dive training centres, rental operators and parents, you can restrict the top speed and power level according to your student's and user's age and skill level.





Unmatched Performance

At iAQUA, the powertrain development engineers discovered new ways of optimising the motor technology to develop very high torque from a very compact assembly.

This resulted in a lightweight motor capable of delivering over 6kW at peak power which is then limited to a more manageable power level for users safety. The radical power output makes AquaDart the fastest underwater sea scooter globally.

25kph
Max Speed Underwater

4.5w
Max Power

23kph
Max Speed Overwater

680n
Max Thrust

Design & Engineering

The AquaDart Pro range has been meticulously designed to be far superior to other sea scooters on the market today. With constant feedback from the many thousands of iAQUA users throughout the World, iAQUA engineers understand the harsh conditions of the sea and how salt water can be detrimental to any product. This is why iAQUA products have been designed using materials and technology tough enough to withstand the harshest of underwater marine environments, and why they now enjoy a less than one percent failure rate. Simply incredible levels of reliability for any marine based product. And even that rare incident is an easy fix to get you up and running again due to the AquaDarts unique modular, plug & play platform. AquaDarts used on freshwater lakes and rivers are in fact way over-engineered but every iAQUA has been built and tested to the same rigorous standards and to withstand the toughest of environments.

The AquaDart Pro product range is also designed with 'plug & play' modular components which allows for quick and straightforward replacement and service in the unlikely event of a failure or service replacement requirement. This means your unit will not have to be sent back to a service centre in another country for several weeks at a time but rather a quick, simple component change completed locally, which makes ongoing ownership so easy and trouble-free. This is especially important for scuba and dive schools, rental operators and charter yachts where having your AquaDart Pro always at the ready is of paramount importance.



Control Panel - Easy, Intuitive Operation



AquaDart's control panel has been carefully designed to be intuitive and is extremely easy to use. The entire craft may be controlled with just two buttons and two triggers. Controlling and monitoring everything from turning the power on, or accessing the menu for setting the various safety limits on power and depth, right down to performing diagnostics on the multiple components - can all be done easily.

The high-definition, five-inch liquid crystal display is exceptionally bright and has been pressure tested to a depth of 100 meters. The high level of screen brightness is of great benefit when riding on the surface during a bright or sunny day and is a feature not found on other dive scooters where important

information can be extremely difficult to read. The graphics engine integrated into the LCD is identical to those found in this generation's premium, high-end mobile devices. All key information has been thoughtfully placed in clear graphics so that the most critical information is always easy to see during the riding operation, regardless of the speed.

As the control systems are so easy to understand, mastering the AquaDarts operation is usually accomplished in about five minutes. A huge benefit when friends are using the craft for the first time or when a dive leader takes a group of scuba divers on their first AquaDart adventure.

'Over-engineered' Impact Protection System

The advanced impact protection system with marine-grade damping bumpers ensure that the device is well protected against any unexpected knocks, such as rocks, or even collisions with your own yacht - thus protecting you, your AquaDart and your yacht also! The 'wrap-around rubber protection system with impact-absorbing front bumpers shield an outer shell which is also super-strong and durable, made of an automotive grade re-inforced blend of polycarbonate and ABS. Whilst the base is made of glass-filled polypropylene for toughness and long-lasting rugged use.

In addition, the components inside the vehicle are supported on rubber dampers and additional internal bumpers to provide impact and shock protection on the inside too. This over-engineering, and the multiple levels of protection found in the AquaDart, also eliminates any buzz, squeak or rattle issues found on less well-engineered dive scooters.

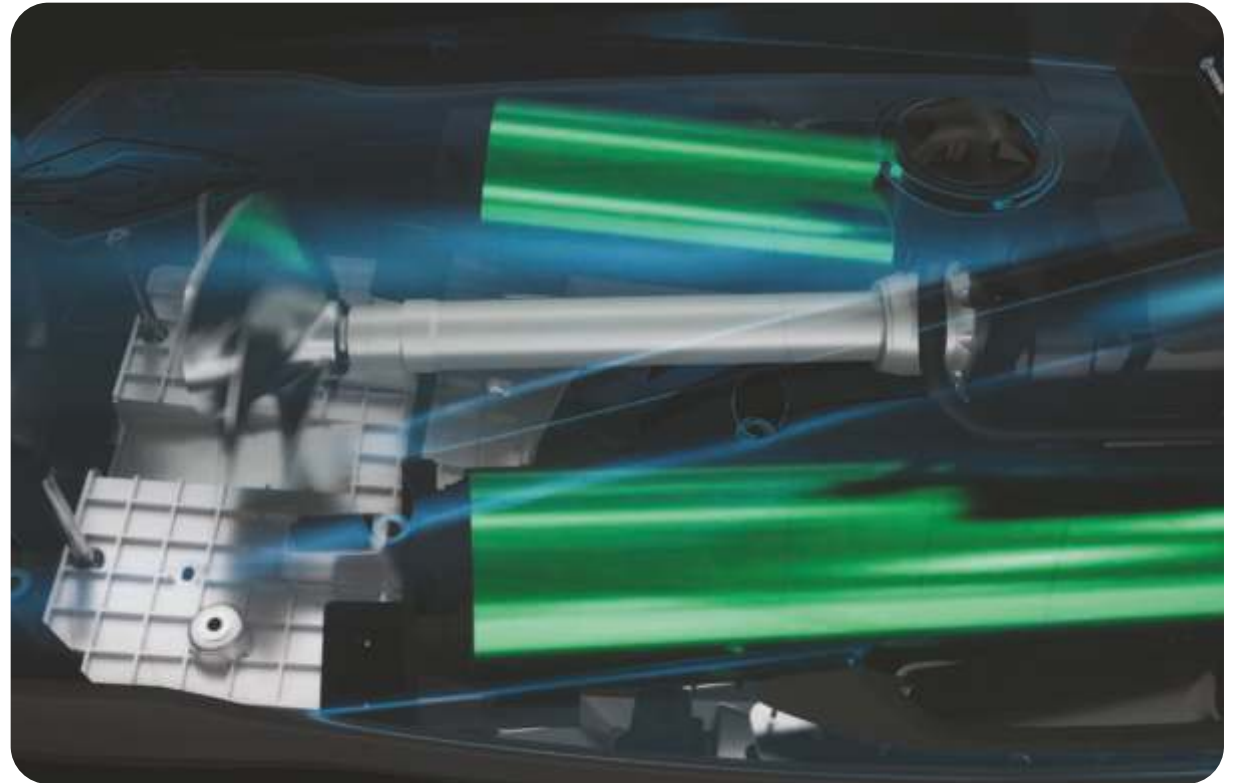
No other dive scooter offers this level of protection and strength ensuring your AquaDart spends all of its life in the sea and not back at the maintenance and repair shop.



High Performance Jet Propulsion System

Each element of the propulsion system has been engineered to provide the most effective and efficient output possible. The water travels smoothly and efficiently through the under-side water duct, from suction to propulsion, while the anti-cavitation propeller pushes a massive volume of water to provide bewildering thrust with little to no vibration or noise.

A brushless drive system drives a hardened stainless steel shaft, which is supported by high-speed thrust bearings, rated for over 30,000 hours of usage (equivalent to 3,750 8-hour days, which is over 10 years of operation!). The whole assembly is suspended on Nitrile rubber bumpers for incredibly quiet operation. Instantaneous torque delivery propels the vehicle (and you) to maximum speed in under 3 seconds!



1. High Performance Motor
2. Stainless Steel Propeller Shaft
3. Water Inlet
4. Toughened High-Grade Propeller
5. Light Weight and Strong Aluminum

Intelligent Battery Management

Unique, cutting-edge battery management means more time spent exploring. The power management and precise energy distribution for all the systems to work together are state-of-the-art.

For those engineers, we have 24X high power MOSFET transistors, cutting-edge Aluminum power driver circuit board and thermal mass placement on the key components to ensure that the batteries are always ready to deliver maximum energy in an instant and always well within the safety limits of the battery's operation. The level of 'over-engineering' ensures that the battery management and safety features simply do not fail and will give you years of reliable enjoyment.

During operation, when the battery life gets low, the AquaDart's smart sensor technology measures it and adjusts the power output accordingly. This gives

you operation times of up to 200% more than its nearest competitors, and it also means users can get more than two hours of use on a single charge. In addition it will ensure your battery life always outlasts your adventure, vitally making certain scuba divers always have enough power in reserve to return home.

How does it work?

Starting at full power (level 6 or 7), the AquaDart will automatically decrease to level 5 when the battery decreases below 50%. Then, when the battery is at 40% capacity, it goes down to level 4, at 30% capacity, it goes down to level 3, and when it's at 20% capacity, it goes down to level 2 and gives you a warning that there's only 20% left. Then, when there's less than 10% of juice left, the device switches to saving mode, level 1, and gives off a constant battery low warning.

This is all done automatically for you. No other professional dive scooter has this function meaning with the AquaDart Pro you'll enjoy considerably longer usage duration and will always have additional battery power in reserve when needed.



Rock-Steady, Stable Handling and Ride Comfort

AquaDart's product range has been designed for users of all different sizes and weights. The product geometry is arranged to deliver hydro-dynamically efficient and comfortable rides to all users. In fact, anyone from 8 years and up (with parent's supervision) can use an iAQUA.

To improve ride comfort, on-surface planing lift and greater control underwater, all AquaDarts have two large twin rear fins and seven base fins which provide both vertical and horizontal stability. The AquaDart's fin layout give you the confidence to complete both tight and long twisting high-speed turns and always keep your AquaDart straight and true.

For your ride comfort the AquaDart has a non-slip padded, heavy-duty neoprene chest protector which add's additional comfort when riding on the surface. For ease of carrying when on shore there are padded side handles with non-slip, rubberised comfort grip inserts and if transporting for long distances over rough terrain or sand, you can add a rugged carry-bag and an easy-pull trolley.





'Plug & Play' Modular Construction

AquaDart Pro addresses the most fundamental cause of concern in the marine industry: the serviceability of marine vehicles. The unique modular construction of AquaDart Pro is inspired by the automotive industry, where the components are placed on a robust chassis which also offers rigidity and strength to the entire vehicle.

Every component is easily accessible, with every electronic element being connected by a waterproof coupling which has been pressure tested to a depth of 100 meters. This design ensures the service and replacement of individual components is extremely straightforward and avoids the necessity of having to return your AquaDart Pro to a service centre for weeks at a time. This is of essential benefit for diving operators and yacht charter fleets and those who need to ensure their AquaDart Pro is always ready for use.

Patented Dual-Operated Control Grips

In a quest to find the safest, most reliable and yet still simple to operate control buttons, iAQUA's engineers went back to the first principles to design from scratch a control system that can be 1) Operated in single-handed use by either the left or right hand, or 2) Set to operate on either the left or right hand, but also requiring the other handle to be gripped – a dual-gripped safety system. This means if one hand leaves any grip, the AquaDart would stop or not start. This is an ideal setting for children, students, and beginners and prevents the user from accidentally grabbing the scooter on the surface with just one hand and making it accelerate. They would have to be in total control of the craft and squeeze both handles before the craft would accelerate.

The single-handed use is of great benefit for search and rescue operations, underwater photographers, spear-gun fishers, low-speed scuba diving and more experienced users.

The patented mechanical push button system is simple to use and is pressure tested to a depth of 100 metres. The in-built LED light provides a visual confirmation that the switch is activated creating an intuitive and satisfying user experience. With just these two buttons it is easy to operate all features of the AquaDarts control handles with a short push, long push or press and hold action unlike other other dive scooters that require you to use several buttons when underway.



No other dive scooter has such an advanced control system allowing operation via either the left or right hand, and a dual-grip safety system.

Hydrodynamic Optimisation Ensures Precision Handling

The AquaDart's design was not simply created to look 'sexy' - which it clearly does! In fact, every line, curve and surface on the body of AquaDart was crafted with only one goal in mind – to create a beautiful laminar flow of water with the smallest possible drag coefficient, at a full range of speeds, both over and under the water surface. During its development over 40 models were created, and 1000's of hours of simulation were performed to achieve this goal.

This design enables the motor to deliver its full thrust efficiently and is why it is the world's fastest dive scooter, ultra-responsive (less than three seconds to maximum speed), and it still almost silent in operation.

The buoyancy positioning and weight distribution are neutrally balanced, which is designed to make the craft incredibly agile and light to handle under the water, essential for underwater acrobatics and precise handling when scuba diving through corals and tight spaces.

When riding on the surface, the continuous and smooth flow of water on the nose of the craft as it gently elevates from the surface is certainly a joy to watch yet it performs the vital function of maintaining just the right angle to provide the least drag and the most efficient operation. It is complemented by seven vertical fins on the base and two large vertical wings at the rear to give extremely precise handling.

The large curving surface on the nose gives great visibility to the user and also forms a perfect platform for mounting your favourite underwater camera to record every moment of your adventure.

Modularity and freedom of choice whilst respecting all the laws of physics to deliver outstanding performance is the result of the first principles thinking method of the engineers at iAQUA.



AquaDart Pro 680 Light

The AquaDart Pro 680 Light is deceptively quick for an entry level professional dive scooter. It can propel you over the surface or underwater at speeds up to 15 km/h and a max depth of 40m.

Max Speed (kph): 15
 Power Levels (Gears): 5
 Power (kW): 3.6
 Thrust (Newtons): 680
 Maximum Depth (m): 40
 Operating Time (min - max): 70-120
 Left/Right or Both Hand Operation: Yes
 High Powered Underwater Lights: Optional

Available colour options:



Arctic White



Baltic Gray



AquaDartPro 680 Explorer

The AquaDart Pro 680 Explorer is the endurance version of the 680 LIGHT, with the performance optimised to deliver up to 120 minutes of run time.

Available colour options:

Max Speed (kph): 15
 Power Levels (Gears): 5
 Power (kW): 3.6
 Thrust (Newtons): 680
 Maximum Depth (m): 40
 Operating Time (min - max): 90-140
 Left/Right or Both Hand Operation: Yes
 High Powered Underwater Lights: Optional



Arctic White



Baltic Gray

AquaDart Pro 720 Quest

With a big step up from the AquaDart Pro 680 series, the AquaDart 720 Quest boosts up the power to 4.5 kW, propelling you to a whopping 21 km/h top speed over and underwater with six power levels.

Max Speed (kph): 21
 Power Levels (Gears): 6
 Power (kW): 4.5
 Thrust (Newtons): 720
 Maximum Depth (m): 40
 Operating Time (min - max): 80-130
 Left/Right or Both Hand Operation: Yes
 High Powered Underwater Lights: Optional

Available colour options:



Arctic White



Baltic Gray



Pacific Blue



Flame Red



Shark Silver



Bahamas Blue



AquaDart Pro 720 Max

Easily the firm favourite pick by most users worldwide, the AquaDart Pro 720 Max 2023 model adds new capabilities to its predecessor, winner of the World's Best Luxury Water Toy in 2021. Equipped with the mighty 1700 Lumen twin LED lights, it adds a new dimension to underwater dives by allowing the ability to explore the underwater world in truly vivid colour.

Max Speed (kph): 21
 Power Levels (Gears): 6
 Power (kW): 4.5
 Thrust (Newtons): 720
 Maximum Depth (m): 45
 Operating Time (min - max): 80-130
 Left/Right or Both Hand Operation: Yes
 High Powered Underwater Lights: Yes



Available colour options:



Arctic White



Baltic Gray



Pacific Blue



Flame Red



Shark Silver



Bahamas Blue



Lizard Green



Lightening Yellow



Burgundy Red

AquaDart Pro 770 Xtreme

The World's ultimate dive scooter - a true testament to the skills of the designers and engineers at iAQUA. The hi-tech carbon-fibre body reduces weight, and increases strength. The motor produces over 5.3 kW of power and delivers a thrust of 770 Newtons making the Xtreme the World's fastest and most powerful dive scooter. This incredible thrust can propel you through the water at speeds of up to 25 kph, and gets you there in under 3 seconds.

Max Speed (kph):	25
Power Levels (Gears):	6
Power (kW):	4.5
Thrust (Newtons):	770
Maximum Depth (m):	45
Operating Time (min - max):	80-130
Left/Right or Both Hand Operation:	Yes
High Powered Underwater Lights:	Yes



AquaDart Bag

This rugged, resilient and robust bag was created for the storage of your AquaDart either over the winter or for daily use. The storage bag is crafted from high-performance, UV-stabilized nylon which is a strong, lightweight and highly durable material. Your AquaDart is further protected by PU foam that lines the nylon exterior and provides excellent impact protection during transportation.

The double-stitching and sleek design create a silhouette of the AquaDart by following the outer shell's beautiful contours which means your AquaDart looks smart whilst remaining fully protected. A nice feature if it is visible on your yacht. The bag can be used to carry your AquaDart to the beach and has space to include your swimsuit, towels, snorkel and other small beach items.



AquaDart Reflective Cover

This lightweight cover is designed to reflect heat and keeps your iAQUA nice and cool. Ideal for hot climates and when you leave your AquaDart exposed to the elements on the back of your yacht. Easy to take on/off and designed to work with the AquaDart wall/yacht mounts, it keeps out unwanted dust and sand.

AquaDart Rack

Secure your AquaDart conveniently with the AquaDart Rack. Place it on the bulkhead of your yacht or wall of your garage to save floor space. The AquaDart rack is engineered with high performance aluminium alloy for its light weight toughness and corrosion resistance. The aluminium rack is precision machined to match and fit the AquaDart perfectly. The AquaDart is further secured by nylon Velcro straps ensuring the AquaDart is held securely in place even in rough seas. Multiple fixing points are provided to allow installation of the AquaDart rack on multiple surface types.





AquaDart Trolley

Take your AquaDart with you wherever you go on the road or on the beach. Easy to foldaway for storage, the structure is made of rust and corrosion free high strength, lightweight aluminium, providing sturdy support for carrying your AquaDart over the roughest of terrain. You can also strap-on your beach bag, cool box, parasol and other items for a great day on the beach.

As you would expect from iAQUA, high-quality, function and attention to detail are always 'built-in'. The AquaDart can be easily pulled along sandy beaches thanks to the inflatable balloon-style tyres. The tyres sit on high strength, lightweight, corrosion free wheels with ball bearings that are also engineered to endure environments with high levels of corrosion. Quick-release straps firmly secure your AquaDart so it is safe heading up or downhill and on bumpy tracks.

The AquaDart trolley comes with an additional stowable column and a pilot wheel that enables it to double as a stand or transform into a pushcart on hard surfaces to make moving it even more effortless.

AquaDart Fast Charger

Juice up your AquaDart with this high-powered charger that can fill 80% of the battery in a mere 70 minutes or to 100% in just over two hours! With a constant power output of over 1000 watts, your AquaDart's high-capacity batteries are charged in just enough time for a quick break between your adventures.

The fast charger can be plugged into any regular power socket with input voltage ranging from 110V to 240V. The intelligent electronics automatically determine the correct settings and switches seamlessly for use in any standard plug point.

Weighing in at just 2KG the AquaDart fast charger is incredibly light for the kind of power it generates. An insulated carry handle is provided on the top of the fast charger to help carry the device effortlessly. iAQUA engineers have also made the charger splash-proof so it can be used safely in the wet environments where AquaDarts are generally used.

For tender garages, and workshops there are also 4 convenient hanging points to keep your charger out of the way, but easy to unhook.



Performance

	AquaDart Pro 680 Light	AquaDart Pro 680 Explorer	AquaDart Pro 720 Quest	AquaDart Pro 720 Max	AquaDart Pro 770 Xtreme
Speed Overwater (kph)	13	13	19	19	23
Speed Underwater (kph)	15	15	21	21	25
Power (kW)	3.6	3.6	4.5	4.5	5.2
Thrust (Newtons)	680	680	720	720	770
Power Levels (Gears)	5	5	6	6	7
Maximum Depth (M)	40	40	40	45	45
Programmable Safety Depths (M)	2,5,10,15,20	2,5,10,15,20	2,5,10,15,20,30,40	2,5,10,15,20,30,40	2,5,10,15,20,30,40

Operating time

High Performance Usage (mins)	70	90	80	80	90
Standard Usage (mins)	80	100	90	90	100
Economy Usage (mins)	120	140	130	130	140

Typical usage time in minutes. High Performance is power levels 5 to 7, Standard is power levels 3 to 4 and Economy is power levels 1 to 2.

Battery management

Standard Full Charge (hours)	7	7.5	7.5	7.5	8
Fast Full Charge (mins)	120	135	135	135	145
5 Step Battery performance optimization system	✓	✓	✓	✓	✓
Battery reserve system or 'return home' Mode	✓	✓	✓	✓	✓
Redundant Battery Safety System	✓	✓	✓	✓	✓

Operating controls

	AquaDart Pro 680 Light	AquaDart Pro 680 Explorer	AquaDart Pro 720 Quest	AquaDart Pro 720 Max	AquaDart Pro 770 Xtreme
Screen Size in Inches	5"	5"	5"	5"	5"
Screen Brightness (Nits)	700	700	700	700	700
Twin-Handed Safety Drive System	✓	✓	✓	✓	✓
Can Operate from Either Left or Right or both Triggers	✓	✓	✓	✓	✓
Patented Advanced Control Buttons	✓	✓	✓	✓	✓

Due to iAQUA's patented pressure equalized buttons, only two buttons are required to access all functions in an intuitive way.

Safety, depth & night diving

Twin High Powered Lights	Optional	Optional	Optional	✓	✓
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System features

Impeller Optimized to Generate High Thrust at Low RPM	✓	✓	✓	✓	✓
On-board Diagnostic System (future)	✓	✓	✓	✓	✓
Modular 'Plug and Play' System Design	✓	✓	✓	✓	✓

Dimensions & weight

AquaDart Weight (kg)	39	39	38	38	37
Impact Protection System (kg)	4	4	4	4	4
Dimensions - L x W x H (cm)	115 x 60 x 40	115 x 60 x 40	115 x 60 x 40	115 x 60 x 40	115 x 60 x 40

About Us

We are a multi-national team of design engineers from England, Finland, India, France, Thailand and China. First and foremost our talented team are passionate creators and marine enthusiasts dedicated to bringing the latest developments in technology to the underwater world.

Our team has 25 years of automotive design and manufacturing experience and has worked in partnership with many of the world's leading automotive brands including General Motors, Tesla, Audi, Volkswagen, Nissan, Lamborghini, Bentley and many more. We have used that engineering and manufacturing experience to create a range of high-performance, technologically cutting-edge products crafted with the same precision demanded by our automotive customers and combined this with affordable prices and exceptional customer service to deliver an uncompromising customer experience.

We are obsessed with providing high-performance watercraft manufactured to the same rigorous standards of quality and reliability that you would see

in a premium car. We aim for a zero-fail policy which means we design and manufacture all of the critical components in-house. Even after several years of use, if a part does need to be changed, the AquaDart range is designed so that components can be easily replaced without having to return the watercraft to the manufacturer.

No other dive scooter manufacturer can match AquaDart's level of performance, reliability and modular design which means you can have the utmost confidence in your new AquaDart dive scooter and many years of fun and enjoyment.

With iAQUA, you'll not only have the most advanced dive scooter in the world, but you'll also receive outstanding support and care given by the thousands of professionals in our worldwide network dealer network.

To the thousands of existing iAQUA customers, we wish you the most amazing adventures with your AquaDart, and to all new customers we look forward to welcoming you to the family.

- Thank you from all of the iAQUA Team





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iAQUA

free your spirit™

www.iAQUAWaterCraft.com

Yachting Pages Awards iAQUA 'Outright Winner'



"There were some very high scores from some exceptional toys, but the undisputed winner of the Tried & Tested: Best Water Toy is the iAQUA SeaDart Max. Our selected army of captains and crew were unanimous in their decision, citing the craft's underwater capabilities, style and intoxicating rider experience."

The new AquaDart Max with new design features and increased power has replaced the SeaDart Max for 2023