

CAYAGO

LUXURY SEATOYS



www.seabob.com

EN

High performance technology
Made in Germany



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WATER



No one has ever been in his element this much

Water sports at a new level. Relaxed gliding, sporty driving or diving safely under water. It's all possible with a SEABOB. Yes, that's right, it's now actually possible to move through the water like a fish. Either on the surface or at depth. And when it's in

its element, this fun-sport machine is also completely environmentally friendly. All this means that the SEABOB is the realization of a human dream. Patented worldwide and "Made in Germany".

LET'S GO



Pure thrills and action

The SEABOB offers all-round high-performance. This is because its hydrodynamic shape gives it unexpected agility in the water. Steering and diving couldn't be easier – it's all done by shifting your body weight.

The Controlgrips are used to regulate speed. Thanks to its 10 gears, the SEABOB with a motorisation between 3 HP and 7 HP is child's play to drive.

BEWARE



The SEABOB is addictive

If you're looking for the ultimate driving experience, it's time to leave the roads and discover the water. Fantastically engaging, the SEABOB offers unlimited thrills and action in water.

Over water, under water, cruising, sporty driving or diving. Nothing can prepare you for this amount of fun – it's time to rediscover water.

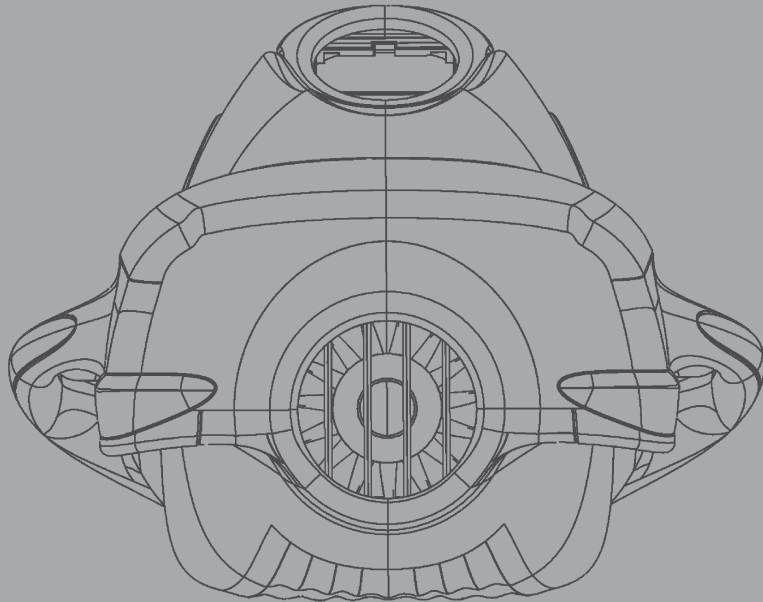
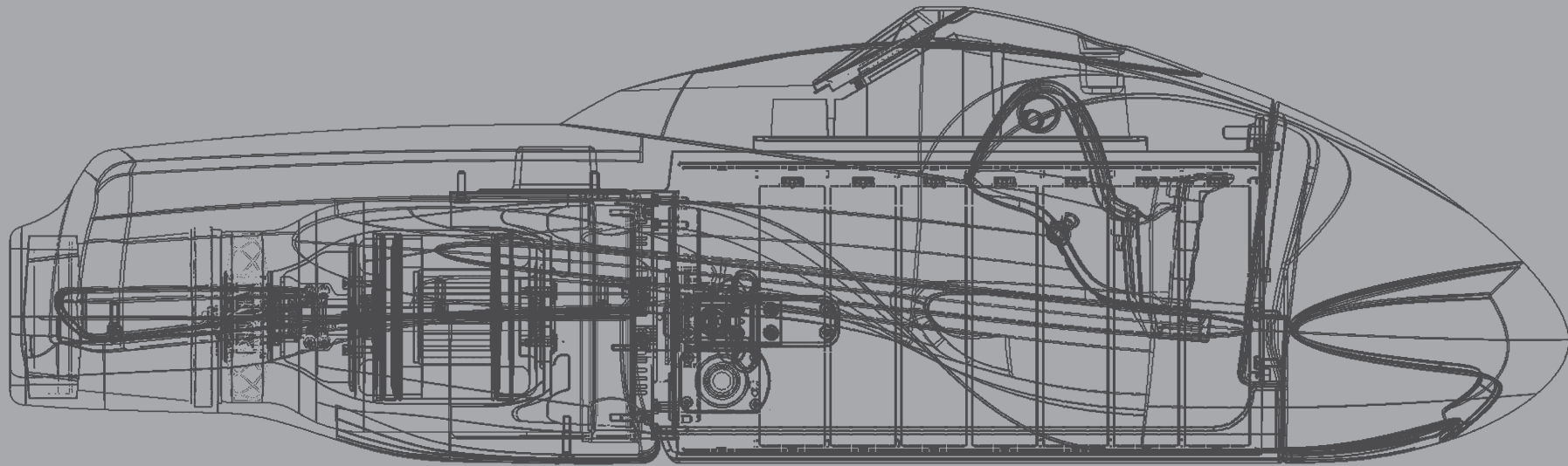
DIVE IN



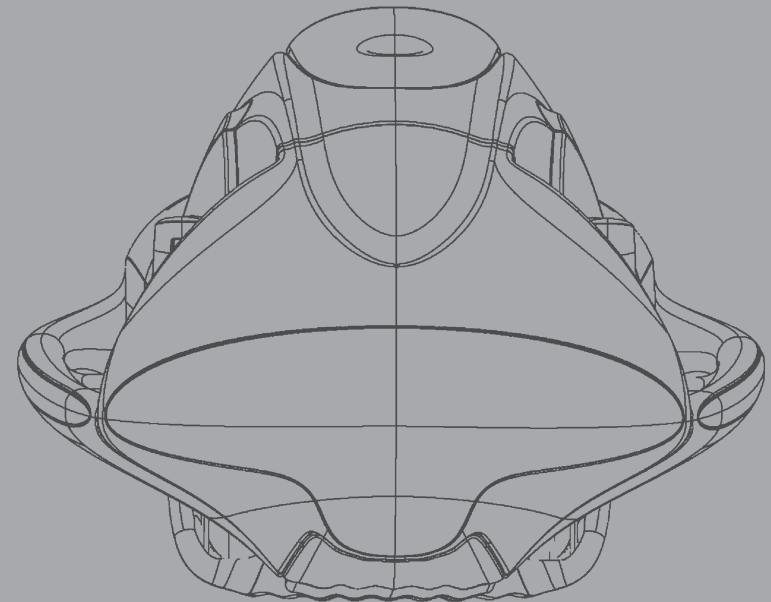
A unique experience of discovery

The fascination of the underwater world. Apply only light pressure and the SEABOB will obligingly begin to dive. Man and machine forging ahead with power and purpose. The diving depth can be set according to individual needs.

For safety reasons, the diving depth of the standard models has been set at 2.5 metres. Scuba divers can use the on-board electronics to set the diving depth to a maximum of 40 metres.



Cutting-edge technology



Quality right down to the last detail

Design outside – horsepower inside



To make it as hydrodynamic in water as possible – that was the objective. The SEABOB design was developed following a great deal of flow channel testing.

Advanced technology begins with the SEABOB's shell. Its ergonomic shape is determined by hydrodynamics. Stuttgart-based automobile designer Schweizer set the tone of its flowing lines.

The engineers were determined to make sure that the highest possible standards were set in terms of its materials and workmanship.

The SEABOB's shell is made from special hard-integral plastic. This is a heavy-duty vehicle-body material, which is applied on the SEABOB in heavy-walled form.

Jetstream – thrust out of the deep



View from below: the compact jet channel for building up thrust.

The internationally patented electric jetstream system consists of a special electro-motor and a protected running impeller in a jet channel.

This special patent means that its electric jetstream system is unique when it comes to drive systems for high-performance water vehicles. Thanks to the electronic technology used, its jetstream system is com-

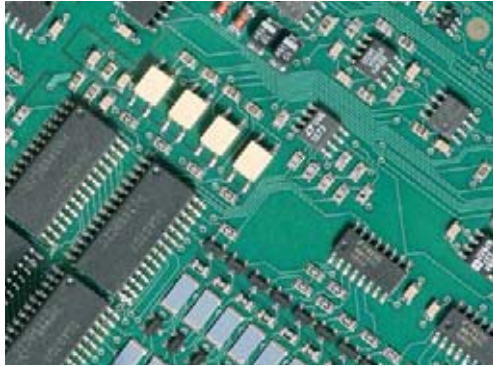


The jet impeller runs protected behind lamellas.

pletely environmentally friendly and offers incredibly low running costs.

The jetstream system works on the principle of water displacement. Water is sucked in by the powerful rotating impeller and forced out in the jet channel under high pressure. The thrust developed by this process propels the SEABOB forwards in superior style.

The drive mechanism – sheer power and environmental credentials



Microprocessor-controlled 3-phase sinus power management system for regulating its drive force.

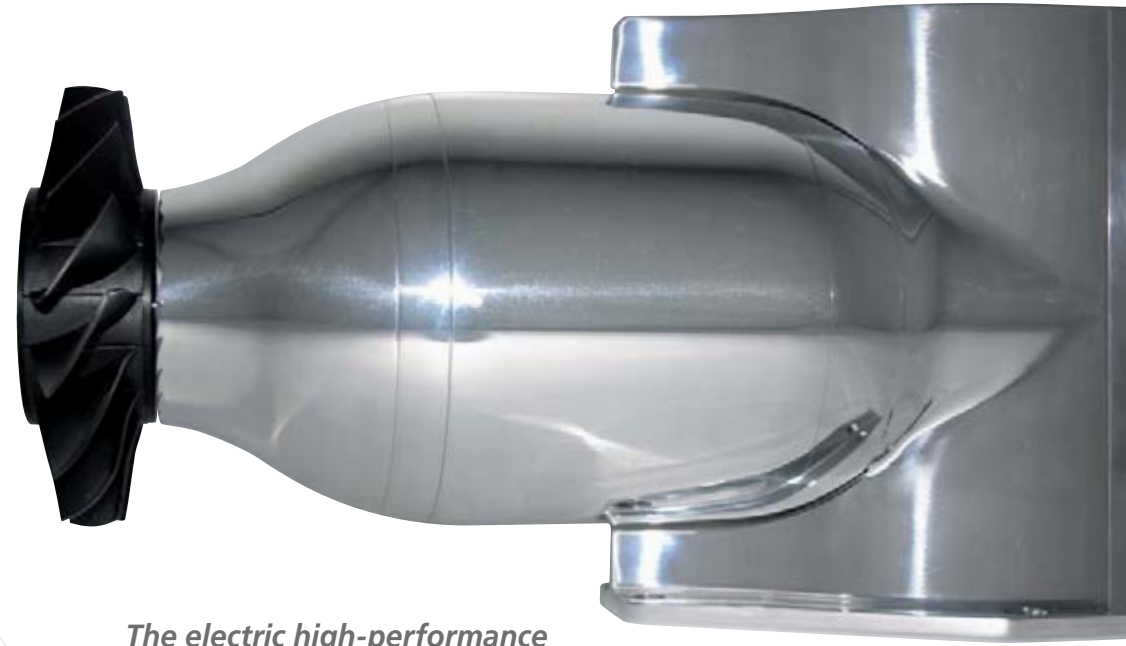


Perfection and quality components down to the very last detail.

Featuring environmentally friendly technology, the specially developed electric, high-performance drive mechanism represents an exemplary innovation.

The SEABOB's 3-7 HP motor is emission-free, almost silent and reliable. Put this together with the jetstream concept and the result is a drive mechanism that endows the SEABOB with unique power and fascination in the water.

The mechanism used is a high-torque synchronized drive unit featuring a microprocessor-controlled 3-phase sinus power management system. Using cutting-edge technology, this motor develops the ideal amount of torque with extraordinary efficiency. And all this together with a compact overall design.

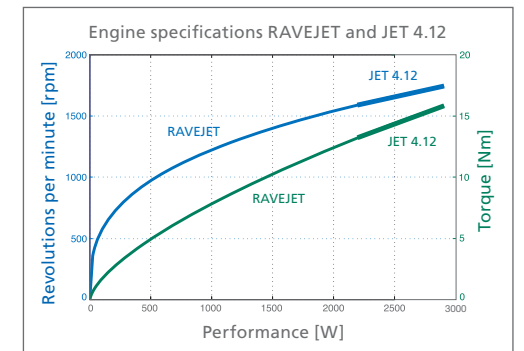
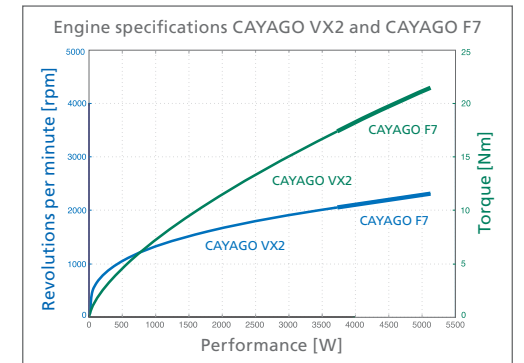


The electric high-performance electro-motor. No wear and tear. No emissions.

The uncompromising use of quality components and special high-grade coatings have made this motor extremely robust and completely maintenance-free. During an endurance test over 10,000 hours of operation at full load, the drive mechanism demonstrated absolutely no break-downs or reduction in performance.

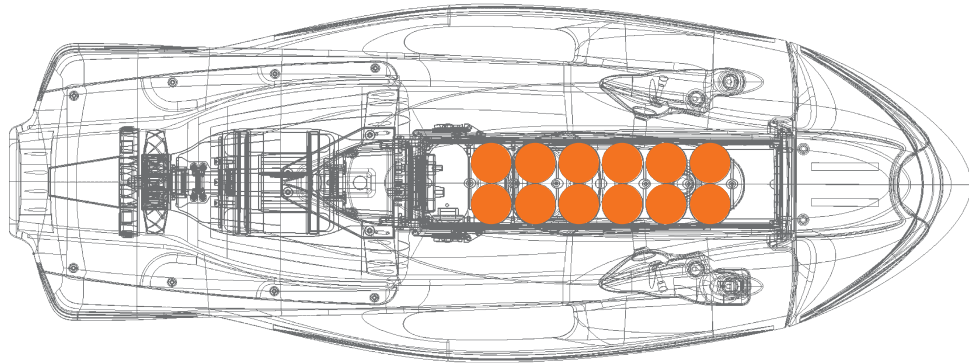
All in all, this machine represents a powerful environmentally friendly package that has been designed for endless thrills in the water.

Extremely high torque for all ranges of performance:



High-Energy Li-Ion

High-End – space technology



The Li-Ion accumulators are situated centrally in the SEABOB.

The energy for the drive mechanism comes from an accumulator box with exceptionally efficient SEABOB-Power High-Energy Li-Ion accumulators. These large and special high-performance accumulators form a high-quality component in the SEABOB's overall propulsion concept.

Li-Ion is a pioneering technology and a product of space research. These specially-developed longlasting accumulators with a life cycle of approx. 18 years are presently used to power earth-orbiting satellites. After being charged 2,000 times, the SEABOB-Power Li-Ion accumulator cells demonstrated no significant reduction in performance and no memory effect.

12 kg Power



Measuring 23 cm and weighing 1 kg, these high-performance accumulators are the power plant at the heart of the SEABOB (depending on model: 8-14 cells).

Located in the SEABOB's middle section, the accumulator box with its high-performance accumulators is situated in the perfect position. Charging the accumulator box couldn't be easier. Quick charging takes only approx. 90-110 minutes and costs around 30 euro cents.

There is no comparison to the SEABOB's innovative drive technology. With a fully-developed charging concept and offering long-term, environmentally friendly use, the SEABOB-Power High-Energy Li-Ion accumulators provide the ideal power source for the superior jet-stream drive.

The Controlgrip – for ultimate control



Featuring piezo technology, the right Controlgrip with its Powergrip is used for acceleration.

The SEABOB represents advanced, cutting-edge technology from tip to toe. Pilots control their fun-sport machines using two intelligent Controlgrips featuring piezo technology.

The SEABOB's drive mechanism is activated via the Powergrip. Apply light pressure to the green sensor and the SEABOB accelerates with smooth and powerful confidence to the desired speed. Apply pressure to the red sensor and the SEABOB's thrust is reduced. Release the Powergrip and the SEABOB stops immediately.

Two additional piezo buttons are used for programming the individual data menu. This includes the control electronics for setting the diving depth.

The cockpit – clear and concise



The central cockpit is placed perfectly in the pilot's field of vision. The illuminated LCD display shows all the important technical data from the motor's electronic system.

This information includes the actual power, the remaining operating time and the accumulator charge state. The display also provides the rider with information about diving depth and water temperature. An integrated infrared interface makes it possible to download updates and read-out diagnostics data. The LCD display also provides clear information related to the SEABOB's programming system.



The infrared interface and the LCD display show all the required performance data.

Technical data and equipment

Designation	Technical description	SEABOB RAVEJET	SEABOB JET 4.12	SEABOB CAYAGO VX2 (Accumulator Change System)	SEABOB CAYAGO F7 (Accumulator Change System)
Shell	Hard-integral plastic technology:	•	•	•	•
Motor	Performance up to: Maximum torque up to:	2.2 kW (3 HP) 12 Nm	2.9 kW (4 HP) 16 Nm	3.7 kW (5 HP) 18 Nm	5.2 kW (7 HP) 22 Nm
Drive	Maximum thrust from electric jet impeller up to:	349 N	468 N	570 N	734 N
Speed	Depending on conditions over water up to: Depending on conditions under water up to:	12 km/h (7.5 mph) 10 km/h (6.2 mph)	15 km/h (9.3 mph) 12 km/h (7.5 mph)	18 km/h (11.2 mph) 14 km/h (8.7 mph)	22 km/h (13.7 mph) 16 km/h (9.9 mph)
Motor control	Electronic speed control in 10 power levels between 10 % and 100 % via piezo buttons:	•	•	•	•
Energy	SEABOB-Power High-Energy Li-Ion accumulators (without memory effect): Total capacity approx.: Weight per accumulator cell:	8 cells 1.2 kW/h; 32 V; 40 Ah 1 kg (x 8)	12 cells 1.8 kW/h; 48 V; 40 Ah 1 kg (x 12)	12 cells 1.8 kW/h; 48 V; 40 Ah 1 kg (x 12)	14 cells 2.1 kW/h; 56 V; 40 Ah 1 kg (x 14)
Operating time	Average:	60 minutes	75 minutes	60 minutes	60 minutes
Charging time	Standard charging approx.: Quick charging approx.:	6-8 hours 90 minutes*	8-10 hours 90 minutes*	8-10 hours 90 minutes*	10-12 hours 110 minutes*
ACS (Accumulator Change System)	Accumulator system can be changed for continuous operation:	–	–	•	•
Steering	By simply shifting body weight (left – right, down – up, over and under water):	•	•	•	•
Stopping	Switching the drive off causes the water resistance to stop the SEABOB within an extremely short distance:	•	•	•	•
Diving depth	Safety cut-off by the built-in depth sensor at a water depth of: Electronic control system can be set to maximum water depth of:	2.5 metres 40 metres	2.5 metres 40 metres	2.5 metres 40 metres	2.5 metres 40 metres
Dimensions	L x W x H (in mm): L x W x H without accumulator box (in mm): L x W x H accumulator box ACS (incl. bow) (in mm):	1,296 x 481 x 379 – –	1,296 x 481 x 379 – –	1,296 x 481 x 379 1,058 x 481 x 379 764 x 374 x 299	1,296 x 481 x 379 1,058 x 481 x 379 764 x 374 x 299
Weight	Approx.:	59 kg	63 kg	64 kg	64 kg
Buoyancy in water	Approx.:	14 kg	10 kg	9 kg	8 kg
Extras	Chrome design display panel and labelling:	–	–	•	•
Special equipment	Securing device for pilot belt system:	–	–	–	•

Technical changes reserved.

• = standard equipment

* mains voltage 230 V

The SEABOB system – sensible accessories



Extra accumulator box as Accumulator Change System for the CAYAGO VX2 and CAYAGO F7 models.



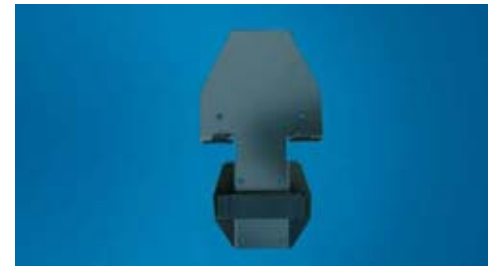
Quick charger (charging time only approx. 90-110 minutes) available for all models.



Pilot belt system for sporty driving in the high speed range (for the CAYAGO F7 model).



SEABOB-Bag – your carrier bag for on the way and travelling.



SEABOB-Rack – the secure wall and floor holding device.



SEABOB-Lift – the intelligent lifting system for your SEABOB.



SEABOB-Cart for comfortable transport of your SEABOB.



SEABOB-Case for safe transport and protected storage.



SEABOB-Weight for professional scuba diving with your SEABOB.

Unmistakeable – your own personalized SEABOB

For the SEABOB RAVEJET and SEABOB JET 4.12 models:



Carex Yellow



Rapid Red

For the SEABOB CAYAGO VX2 and SEABOB CAYAGO F7 models:



Silver



Titanium



Star White



Pacific Blue



Cion Yellow



Magma Orange

Exclusively for the SEABOB CAYAGO F7 model:



Lumex Yellow



Diago Red

CAYAGO MAGNUM

Limited Edition 100



The CAYAGO MAGNUM will be a limited edition for selected customers. Its statistics speak for themselves:

- It draws its power from 30 CAYAGO-Power High-Energy Li-Ion accumulators.
- Continual operation of up to 4 hours.
- High engine power, adjustable in 10 power levels.
- The CAYAGO MAGNUM is equipped with a comprehensive navigation and location technology system.

This model sets the standard. For its pilots, the CAYAGO MAGNUM opens up new dimensions to the underwater world.

The SEABOB models and accessories depicted in this catalogue are the latest models. Technical specifications and design are subject to change. The colour samples in this catalogue may differ from the actual colours.

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