

Introducing the EVAstream Move

The ultimate wireless plug & play pool transformation experience

Turn any ordinary swimming pool into a state-of-the-art training facility, your personal fitness haven! Now, you can enjoy the benefits of swimming in a standard 25-meter pool, right in the comfort of your own backyard. Without having to renovate your entire pool first.

The EVAstream Move is a wireless swimming machine designed to revolutionize your pool experience. Regardless of its size, with this plug & play device you can convert your pool into a fully-equipped training center. Its power, stability, and energy efficiency set it apart. Even the most competitive swimmers can now engage in demanding swim workouts, right in their private pool. Enhance your swimming techniques, improve your physical fitness, and boost your endurance.

The appeal of the EVAstream Move extends beyond experienced swimmers. With its tranquil, steady, and adjustable current, this machine caters to the entire family. Whether you prefer leisurely laps, invigorating workouts, aqua-jogging sessions, or even physical therapy routines, this versatile device has you covered.

EVAsream Move

All the benefits of the EVAstream, but now wireless plug & play and applicable in any pool. Since the EVAstream Move operates on a battery, it can be used anywhere and anytime. The turbine derives its energy from the battery, allowing for at least 1 hour of swimming at full speed. The battery pack can then be recharged using a 230V power outlet.

The EVAstream offers the perfect combination of efficient flow rate and fast current speed. This results in a superior swimming experience. Now movable and powered by a battery! Store it anywhere you like and only use it when you feel like it.

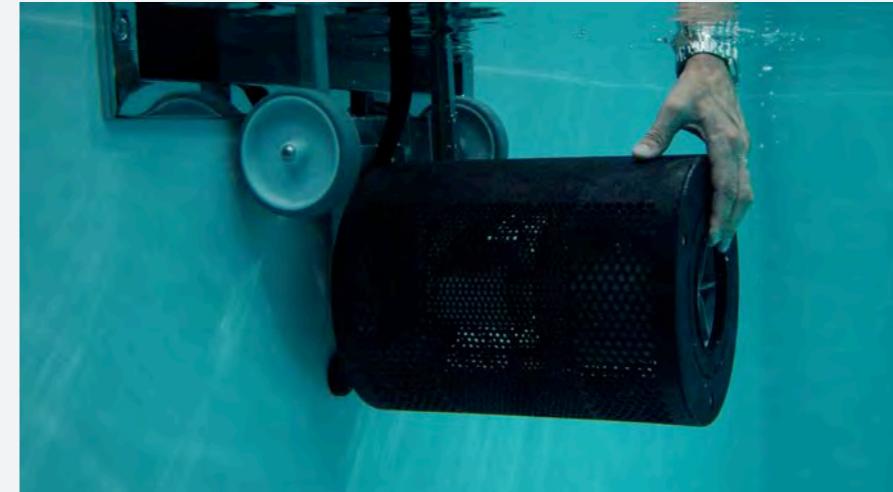


How it works?

EVASTREAM MOVE



1. Choose the correct pool edge position.



3. Consider the correct installation height of the turbine
(center approximately 25cm below water level).



2. Unclip the rotating bracket (with EVASTREAM) on both sides and place it upright. Lower the EVASTREAM Move into the water.



4. Plug in the battery and you're ready to swim like a pro!



EVAsstream Move

Transform your home pool into a competitive swimming arena in the blink of an eye

The trend of investing in home fitness has expanded beyond treadmills and elliptical trainers in recent years, with swimming machines gaining popularity. One notable innovation in this field is the EVAsstream Move, introduced by Eva Optic. This remarkable device has the power to turn any swimming pool into a competition-grade facility. Just like the traditional EVAsstream, but now in the blink of an eye. Plug & play. Without having to renovate your entire pool first.

By incorporating a swimming machine, you can effortlessly enhance your swimming experience at home, and the EVAsstream Move stands out as a top choice. Developed entirely in-house by Eva Optic, this specialized swimming machine benefits from the expertise of dedicated swimmers working at the Dutch company. The developers also maintain close connections with competitive swimmers and professional coaches, ensuring that the EVAsstream meets the highest standards.

Turbine-driven

Unlike many other swimming machines that rely on jet streams, the EVAsstream Move utilizes turbine-driven technology. This natural motion of the water not only creates a serene and pleasant swimming environment but also minimizes disruptive waves. Meanwhile, the power output can be adjusted to accommodate different needs. Additionally, the EVAsstream boasts a compact design, making it easy to install or incorporate into existing pools. It is available in various models to cater to both recreational swimmers and seasoned competitors.

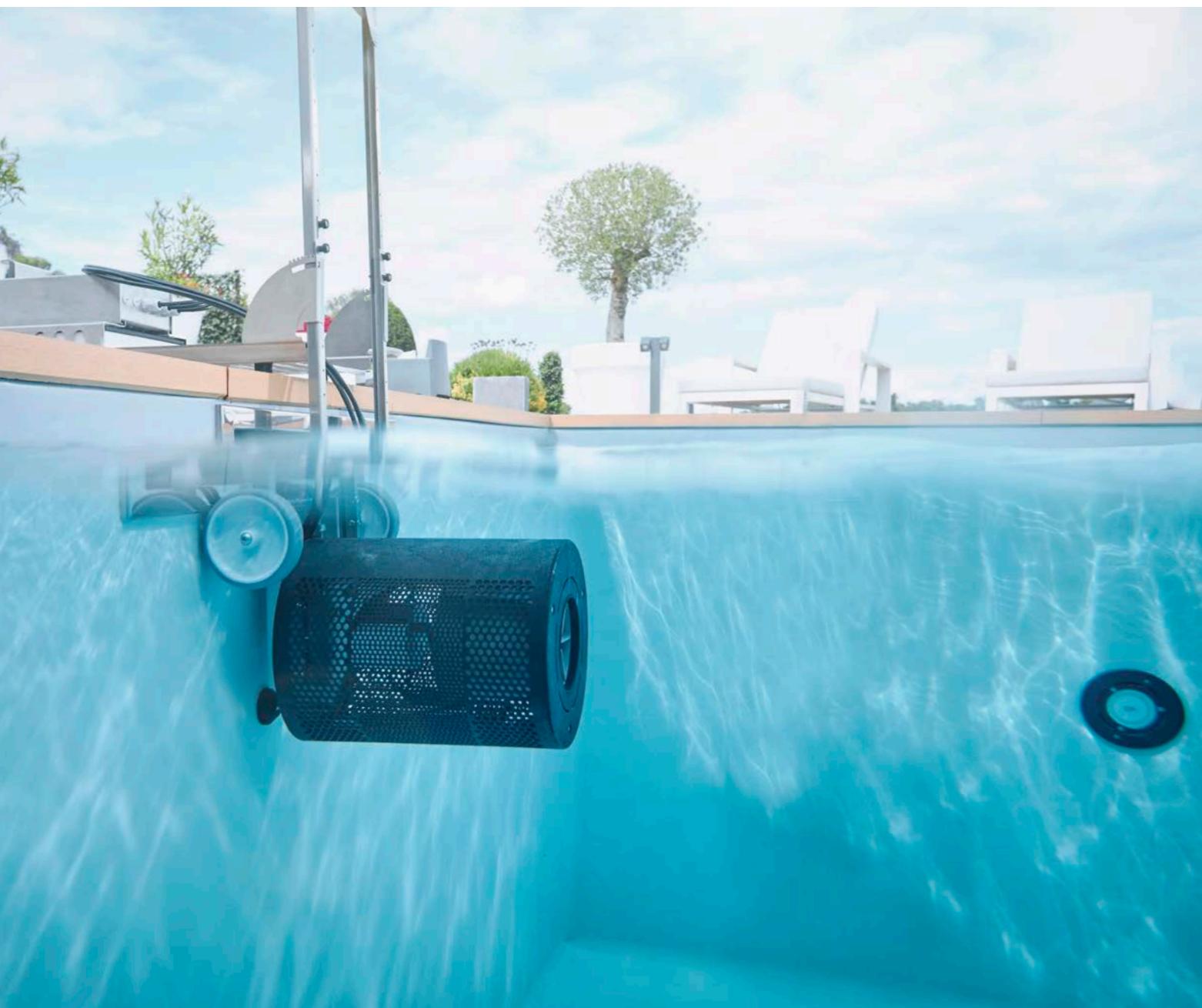


EVStream Move

Uncompromising Quality and Unparalleled Safety

At EVStream, we hold ourselves to the highest standards when it comes to product quality. We understand that our customers seek years of worry-free enjoyment, and we are committed to delivering just that. Through an intensive and meticulous product development process spanning over three years, we have crafted the wireless EVStream Move to surpass all expectations.

Our machine embodies perfection, having undergone extensive engineering and rigorous testing. Rest assured, the EVStream Move complies with the stringent international safety requirements for electrical safety, entrapment hazards, and hair safety. It meets the standards set for both residential swimming pools (EN 16582-1) and public swimming pools (EN 13451-1).



The battery

The safety of the Li-ion NMC 8S 30Vdc60A battery in the EVStream Move is of paramount importance and is at the heart of the design of this innovative device. Li-ion (Lithium-ion) batteries are widely recognized for their high energy density and reliable performance. Here are some aspects that emphasize the safety of this battery:

1. **Battery Management:** The EVStream Move is equipped with an advanced Battery Management System (BMS). This system continuously monitors the battery's status, such as temperature and charge level, to ensure it remains within safe limits.
2. **Protection Against Overcharging and Discharging:** The BMS prevents overcharging and excessive discharging, which is essential to keep the battery in good condition and avoid potential safety risks.
3. **Thermal Protection:** The battery includes thermal protection systems that monitor its temperature. If the battery's temperature becomes too high, the system takes measures to promote cooling and prevent potential overheating.
4. **Battery Capacity and Durability:** With a capacity of 60 ampere-hours, the battery provides ample power for an hour of uninterrupted use at full speed. This not only ensures an excellent user experience but also extends the battery's lifespan.
5. **No Cables / No High-Voltage Power:** The fact that the EVStream Move requires no cables and no high-voltage power contributes to overall safety. There are no exposed cables in the pool, minimizing the risk of electrical shocks.
6. **Charging Options:** The battery pack can be easily charged via a standard 230V power outlet, enhancing usability and flexibility.

The above highlights the focus on safety and reliability in designing the Li-ion NMC 8S 30Vdc60A battery for the EVStream Move. This ensures that users can enjoy their swimming and training experience without worrying about potential battery-related risks. However, it is always important to follow the provided safety instructions to ensure safe use of the device.

EVASTREAM swimming zone

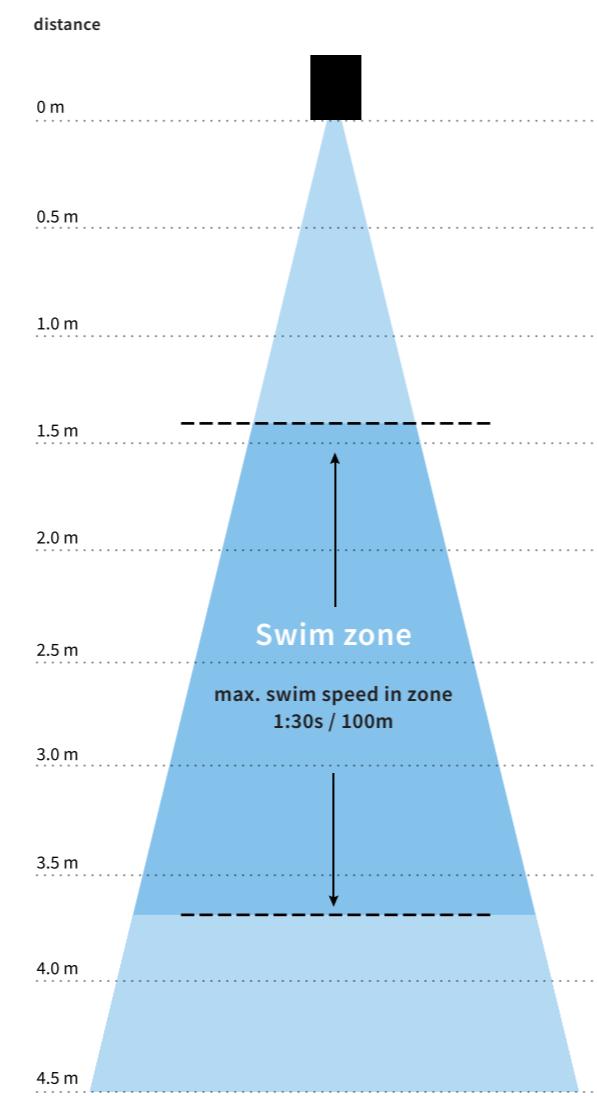
Design the Ultimate Swimming Area

The quality of a customer's swimming experience relies heavily on the precise placement of the turbine. By positioning the turbine at the ideal height, we guarantee that the current will reach the swimmer's torso.



Turbine placement

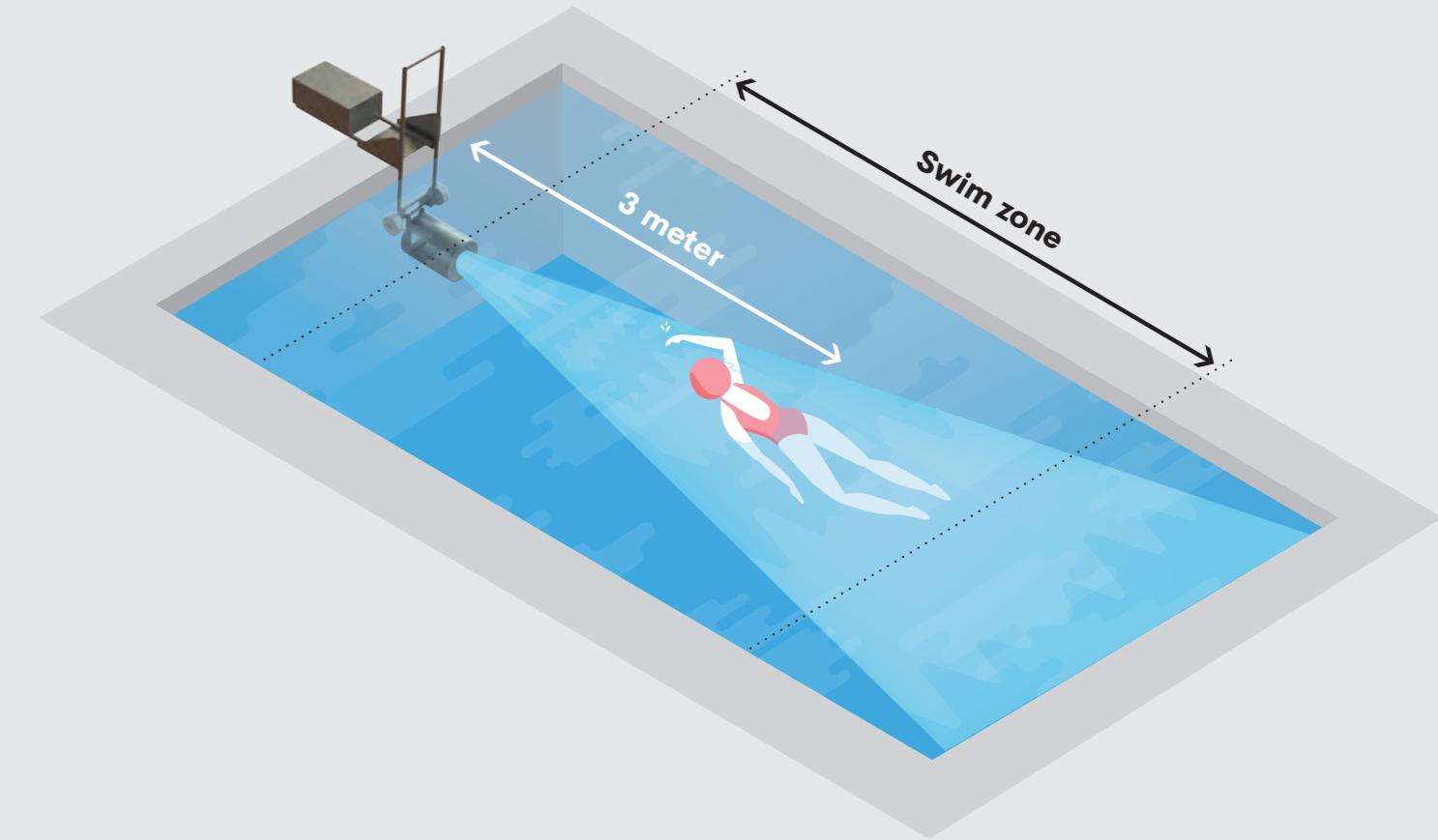
We recommend placing the turbine approximately 250 millimeters below the water level. The turbine can be adjusted using the side bolts, allowing a maximum downward tilt of 2 degrees or an upward tilt of 3 degrees. This adjustment ensures an optimal swimming experience for every customer.



Identify the Swimming Zone

Begin by determining the user's swimming zone. After fine-tuning the turbine placement, the flow should be directed towards the swimmer's torso, rather than their head. While swimming, the individual should experience unrestricted breathing and a broad, steady current enveloping their entire body. By positioning themselves at a distance from the machine, the effective swimming zone expands, offering more freedom to move comfortably.

Our aim is to create an exceptional swimming area that guarantees the best possible experience for every swimmer.



Optimal positioning

Achieving the best swimming experience requires careful consideration of the EVASTREAM Move's placement, particularly in relation to elements like stairs and platforms. When the turbine is not symmetrically positioned within the pool, the current's circulation becomes uneven across the pool. The EVASTREAM's power remains unaffected, but it generates a vortex-like effect in the middle of the pool. By prioritizing symmetrical placement, you ensure a harmonious flow throughout the pool, resulting in an optimal swimming experience for all users.

"The EVASTREAM Move presents the perfect synergy of an efficient flow rate and rapid current speed, culminating in an unmatched swimming experience."

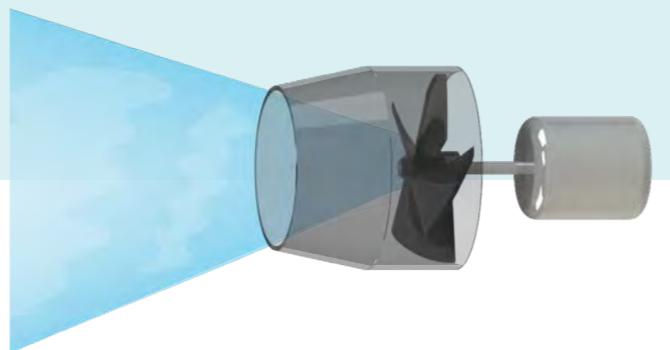
EVASTREAM MOVE

What sets the EVASTREAM (Move) apart?

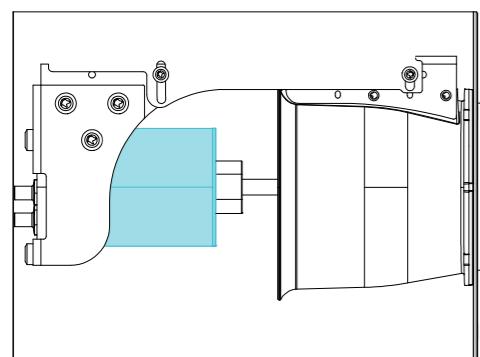
Unique Waterflow

The wireless EVASTREAM Move distinguishes itself with its specially designed turbine that features a narrowing at the outflow, deviating from the conventional straight turbines. Despite this seemingly minor alteration, it yields significant results in water speed. The EVASTREAM Move swimming machine propels an impressive 250 cubic meters of water per hour, resulting in a water speed of 6 meters per second.

In comparison, a countercurrent swimming machine with a straight turbine moves the same volume of water per hour with a water speed of 3.5 meters per second.



"The EVASTREAM Move produces a water speed of 6 meters per second."



Closed Motor Design

While it is common in the swimming pool industry to employ open motor designs, the EVASTREAM Move deliberately adopts a hermetically sealed motor design with a high-quality shaft seal capable of withstanding a maximum pressure of 10 bar. The use of friction-free ball-roller bearings within a liquid-filled, pressure-resistant sealed motor housing ensures an optimally controlled environment. This innovative motor design has received an official patent. The advantages of the EVASTREAM motor over an open motor design based on plain bearing technology include:

- Wear-free operation, eliminating the need for maintenance
- High efficiency
- Long service life
- Noise-free operation without vibrations during swimming

Expanded Swimming Zone

Thanks to the water speed generated by the EVASTREAM, the flow is robust and extends further into the pool, significantly expanding the effective swim zone for an exceptional swimming experience. By allowing users to swim at a greater distance from the machine, more space is available for unrestricted swimming. Additionally, the EVASTREAM Move is engineered with a smart water flow direction that is aimed at the swimmer's torso rather than their head. This design ensures a pleasant swimming experience with ample breathing space and no bothersome water flow in the face.



Portable, easy to store, and lightning-fast to install

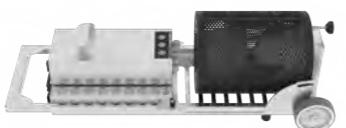
The EVASTREAM Move can be moved by one person, is easy to store, and can be installed rapidly. The Move is wireless and, therefore, requires no power outlet near the pool. It enables the ultimate swimming experience without the need for a complete pool renovation.

EVASTREAM MOVE

Factsheet

EVASTREAM MOVE - TURBINE

EVASTREAM MOVE



Configuration machine	single-engine machine
Minimum pool dimensions	5 x 3 meter (lxb)
Water temperature	5°C tot 35°C
IP rating	IPX8
Warranty	2 years factory warranty on the turbine + MCU
Recommended use	Recreational / experienced swimmer
Flow rate capacity	Max. 250 m ³ / h (adjustable flow)
Max. water speed at outlet	6 m/s
Max. waterflow speed swimzone	1:30 sec. per 100 meter
Weight EVASTREAM MOVE (incl. battery)	37 kg

EVASTREAM MOVE - MOTOR CONTROL UNIT

Control input	DMX 512
Output Moto PMSM 3x DC	RPM range 10-100%
IP rating	IP 20
Working temperature	Max 32°, mount in a dry and condensation-free area
Safety measures	EVA Torque control, Voltage/current control, Mosfet temperature control

EVASTREAM MOVE - BATTERY

Battery type	Li-ion NMC 8S 30Vdc60A
Swimming time	60 minutes at 100% use
Warranty	1 year on the battery
Battery charging time	4 hours
Battery weight	10,9 kg
Battery dimensions	26.5 cm x 7.3 cm x 41 cm (l x b x h)
Chemical composition	Lithium-ion (NMC)
Battery voltage nominal	30 volts
Capacity	60 ampere hours

Safety standards EVA stream turbine

EVASTREAM was built for speed and safety. Safety measures were taken to ensure safety of fingers, toes and also hair. EVASTREAM complies to safety standards DIN EN16582-1/2/3, EN16713-2 (residential pools) and EN13451-1/3 (commercial pools).

EVASTREAM MOVE

EVA Experience web app

Take full control of your EVASTREAM MOVE using the EVA Experience web app. With this app, you can customize your swimming session by adjusting the swimming speed, duration, and even choose specific preset training programs.

Swimming Time Management

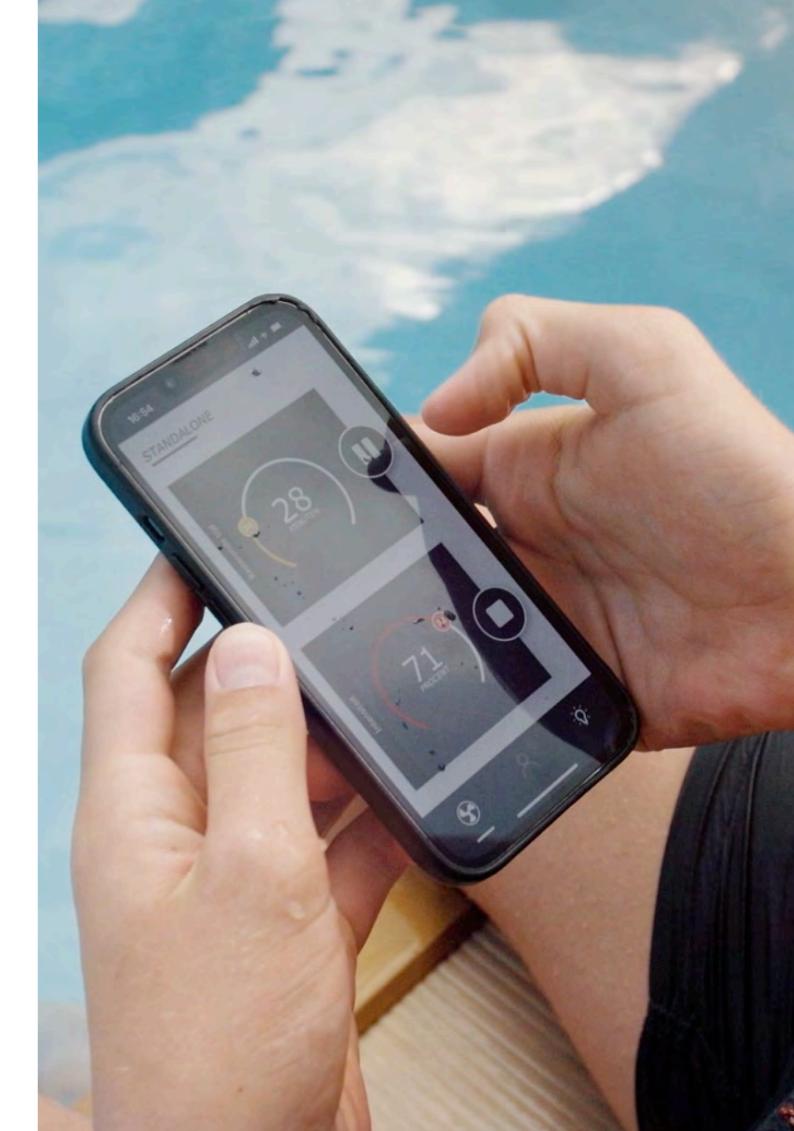
Select the desired duration of your swim session, ranging from a minimum of 5 minutes to a maximum of 120 minutes. The app displays the remaining time in real-time, allowing you to easily track your progress throughout the session.

Intensity Control

Adjust the swimming intensity by choosing a percentage of the maximum capacity of the EVASTREAM. The app conveniently remembers your last used intensity setting, simplifying your future swim sessions.

Real-time Session Monitoring

Observe the progress of your current swimming session in real-time. By clicking the "play" icon, a progress bar initiates, showing the elapsed time and the intensity at which you are swimming.



Flexibility During the Session

You have the freedom to pause and restart your swimming session at any time. Additionally, you can modify your swimming speed during the session using the app.

