



# E.SWIM

## THE HEART OF THE SWIMMING POOL

**E-Swim** is the new electronic pump of Dab Pumps suitable for swimming pool water recirculation and filtering systems (including salt water) for the residential and civil sectors, and for applications with aggressive liquids in fishing and agriculture.

It guarantees silent operation, comfort and versatility.

The distinguishing features that make this pump unique are the high efficiency water-cooled permanent magnet motor, which ensures extremely quiet operation, the hydraulics optimised to reduce load losses, the eight programmable speeds that provide energy savings. The intuitive display, the programmable menu, the integrated diagnostic for the protection of the pump and the quiet operation ensure maximum comfort during use. Versatility is also another strong point of the product, which has a compact design without fan, thanks to the water cooling system. The variable speed operation makes e.swim suitable for all types of swimming pools.

**E.Swim** is the swimming pool pump for those who seek quiet operation, energy savings and efficiency.



**e.pro**

Version with two knobs opening system.

### ENERGY SAVING

- HIGH EFFICIENCY PERMANENT MAGNET SYNCHRONOUS MOTOR
- HYDRAULICS OPTIMIZED FOR LOAD LOSS REDUCTION
- 8 TIMER PROGRAMMABLE SPEEDS

### COMFORT

- SILENT OPERATION (WATER-COOLED MOTOR)
- COMPACT AND WITHOUT VIBRATIONS (NO COOLING FAN)
- PUMP PROTECTION BUILT-IN DIAGNOSTIC

### VERSATILE

- VARIABLE FLOW AND SPEED OPERATION
- SIMPLE AND INTUITIVE BUILT-IN DISPLAY PROGRAMMING
- POSSIBILITY OF CABLE CONNECTION TO AN EXTERNAL CONTROLLER

### TECHNICAL SPECIFICATIONS

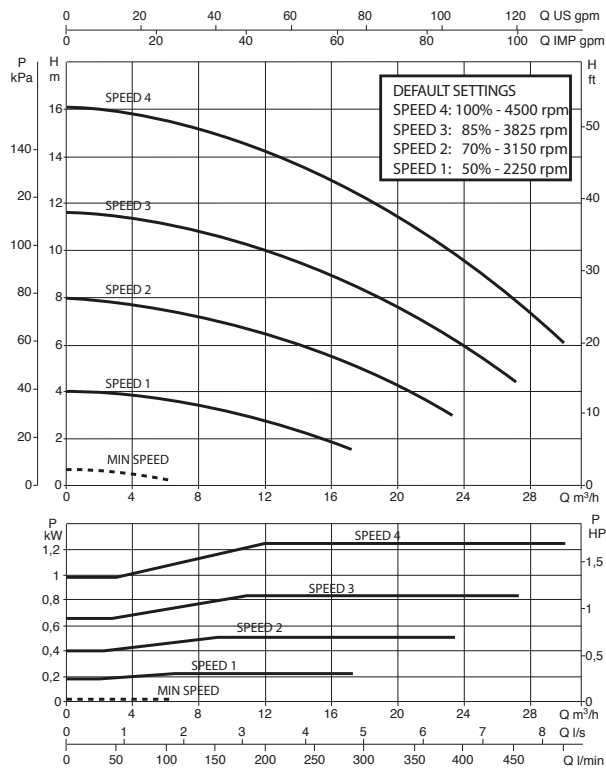
	P1 MAX	Q MAX	H MAX	DIMENSIONS
<b>E.SWIM 150</b> ▶	<b>1250 W</b>	<b>30 m³/h</b>	<b>16 m</b>	<b>550x300x316 mm</b>
<b>E.SWIM 300</b> ▶	<b>2250 W</b>	<b>42.5 m³/h</b>	<b>26 m</b>	<b>574x304x354 mm</b>

SELECTION TABLE

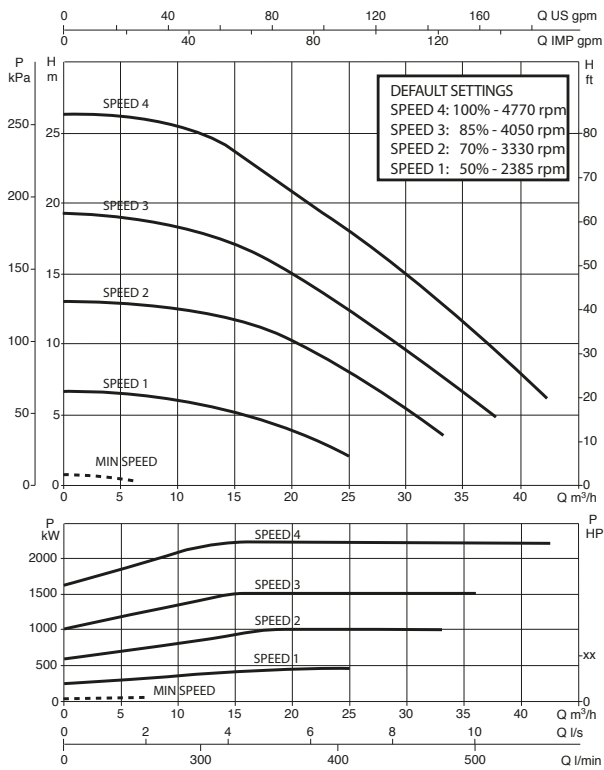
PRIVATE SWIMMING POOL			
	DIMENSIONS OF POOL ( m )	VOLUME OF WATER ( m³ )	MODEL
PRIVATE SWIMMING POOL	8 x 4	from 35 to 40	E.SWIM 150 EUROPRO 50 EUROPRO 75
	8x4 to 10x5	from 50 to 70	E.SWIM 150 EUROPRO 75 EUROPRO 100
	from 10 x 5 to 12 x 5	from 70 to 90	E.SWIM 300 EUROPRO 150
	from 11 x 6 to 12 x 6	from 90 to 110	E.SWIM 300 EUROPRO 150 EUROPRO 200
PUBLIC SWIMMING POOL	8 x 4	from 35 to 40	E.SWIM 150 EUROPRO 100 EUROPRO 150
	8x4 to 10x5	from 50 to 70	E.SWIM 300 EUROPRO 150 EUROPRO 200
	from 10 x 5 to 12 x 5	from 70 to 90	E.SWIM 300 EUROPRO 200 EUROPRO 300
	from 11 x 6 to 12 x 6	from 90 to 110	E.SWIM 300 EUROPRO 300

Example with: 6 hours for private pool, 3 hours for public pool, 3 turnover per year, 200 days of operation per year.

E.SWIM 150



E.SWIM 300



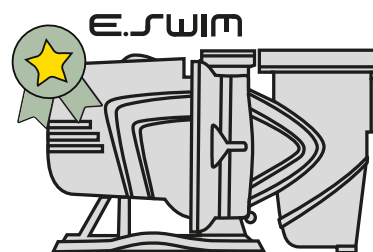
## OVERVIEW

## ENERGY SAVING

The new e.swim is the best solution to reduce energy consumption. A traditional single-speed pool pump consumes as much as 7 refrigerators, which means that it indirectly produces about 1,380,000 grams of  $\text{CO}_2$ , which is equivalent to what 138 trees would produce. E.SWIM really makes your system more efficient and optimizes electricity costs.

It guarantees energy savings of up to 90% thanks to the combination of:

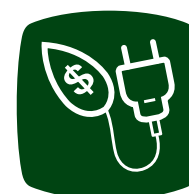
- Synchronous permanent magnet motor
- High efficient hydraulics to reduce pressure losses
- 8 settable speeds.



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EXAMPLE WITH 3 CYCLES PER DAY, 10 HOURS A DAY AND 200 DAYS OF OPERATION PER YEAR

POOL SIZE	TRADITIONAL PUMP MODEL	E.SWIM	ENERGY COST €/kWh	E.SWIM SAVING		
				1 DAY	1 YEAR	5 YEARS
30 m <sup>3</sup>	0.5 Hp	E.SWIM 150	0.12	€ 0.39	€ 78.62	€ 393.10
			0.24	€ 0.79	€ 157.24	€ 786.19
45 m <sup>3</sup>	0.75 Hp	E.SWIM 150	0.12	€ 0.72	€ 143.88	€ 719.42
			0.24	€ 1.44	€ 287.77	€ 1,438.83
60 m <sup>3</sup>	1 Hp	E.SWIM 150	0.12	€ 0.89	€ 177.00	€ 885.00
			0.24	€ 1.77	€ 354.00	€ 1,770.00
70 m <sup>3</sup>	1.5 Hp	E.SWIM 300	0.12	€ 1.64	€ 328.40	€ 1,641.99
			0.24	€ 3.28	€ 656.80	€ 3,283.99
90 m <sup>3</sup>	2 Hp	E.SWIM 300	0.12	€ 1.62	€ 323.49	€ 1,617.43
			0.24	€ 3.23	€ 646.97	€ 3,234.87
110 m <sup>3</sup>	3 Hp	E.SWIM 300	0.12	€ 2.68	€ 535.98	€ 2,679.89
			0.24	€ 5.36	€ 1,071.96	€ 5,359.78



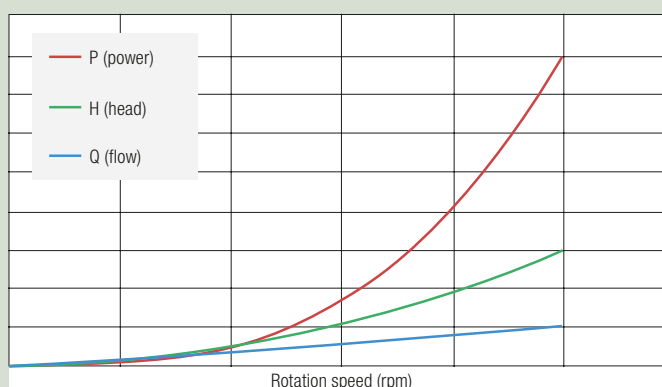
AT LOWER SPEEDS  
**90% ENERGY  
SAVING**  
COMPARED TO A  
TRADITIONAL PUMP

## DID YOU KNOW THAT...

- The variation of the flow is proportional to the variation in the number of revolutions.
- The pressure variation follows a quadratic law in relation to the variation of the number of revolutions.
- The power follows a cubic law in relation to the variation of the number of revolutions.

A small variation in speed corresponds to a huge variation in power.

For example: I reduce the speed by 50% = I reduce by 8 times the power absorbed by the pump.

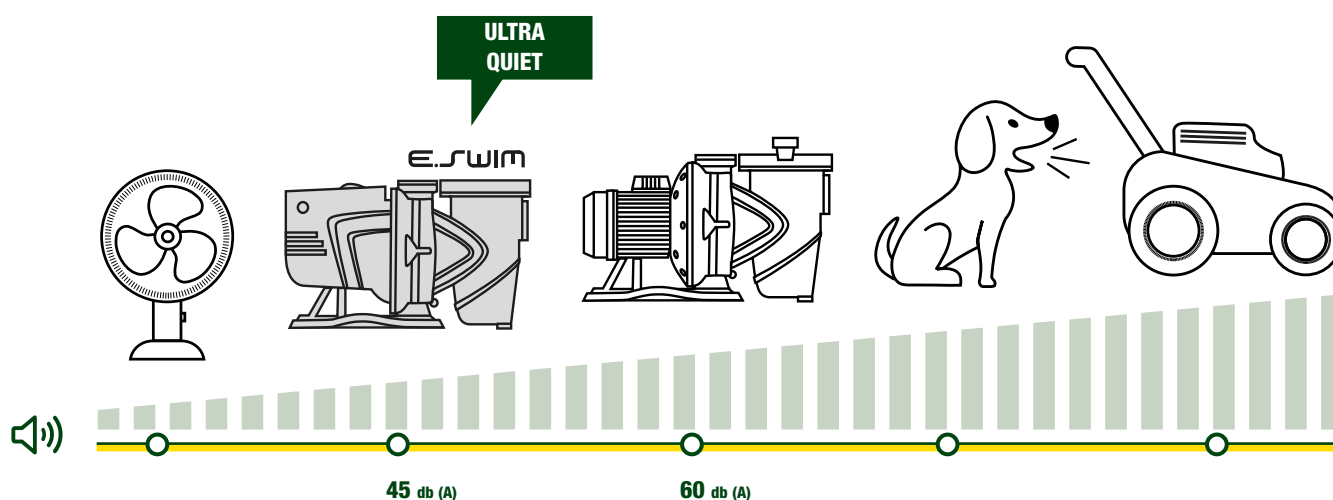


## OVERVIEW

### LOW NOISE

#### NO VIBRATIONS

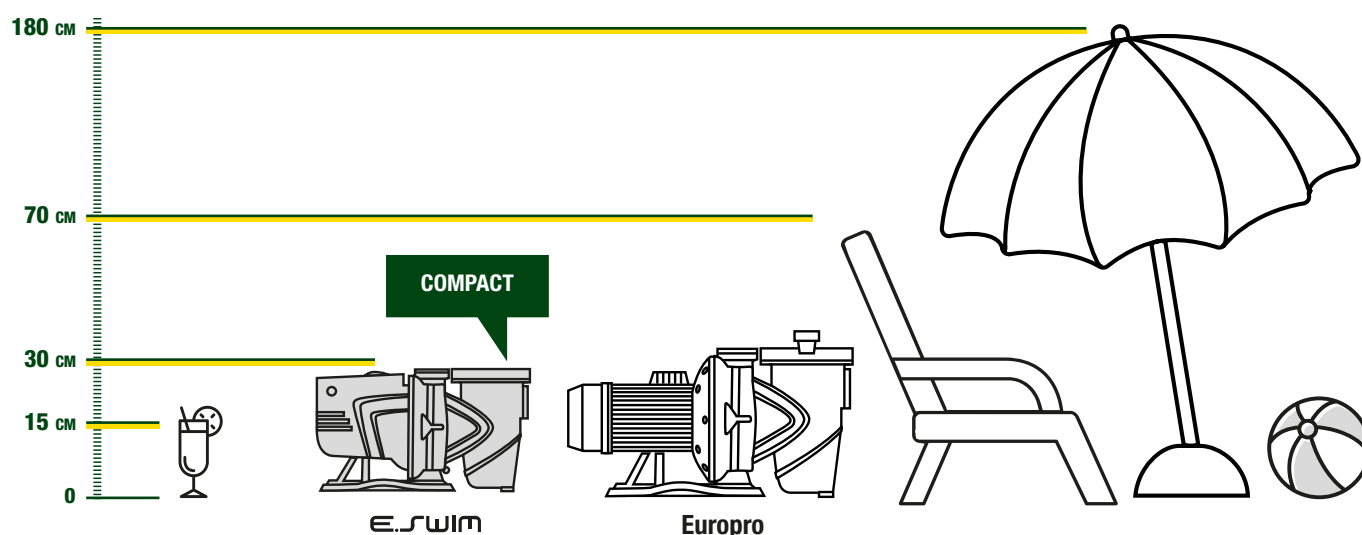
Extreme silent running, thanks to the water cooled technology. No vibration, no cooling fan, anti vibration feet. The special water cooled motor, the inverter and the anti vibration feet make e.swim the most silent swimming pool pumps on the market.



### MINIMUM SPACE REQUIREMENT

#### MAX COMPACTNESS

The new structure and ergonomic design make for a compact product that can be installed anywhere. It occupies 30% less space than any other conventional system.



## OVERVIEW

### SAFETY FIRST

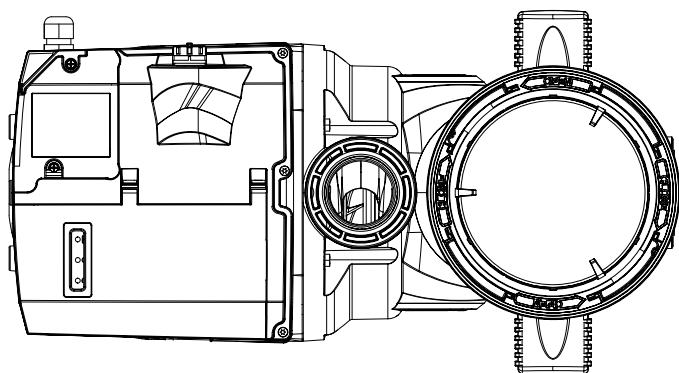
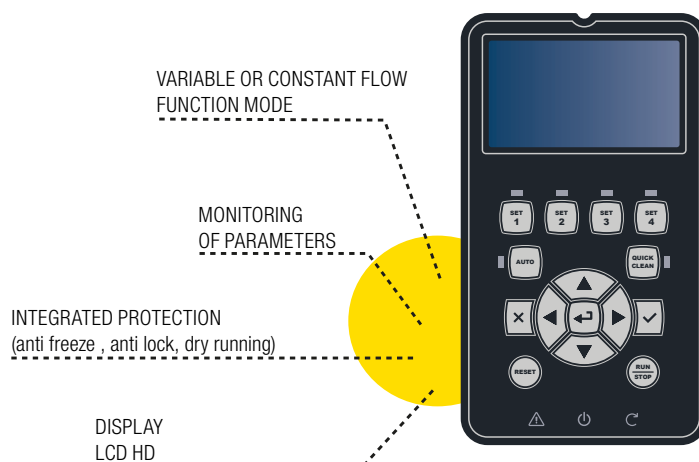
E.Swim with SVRS software gives you full peace of mind: we have designed a system that disables the suction of the swimming pool pump, so that bodies or objects trapped against the suction port may be quickly released.



### EASY INSTALLATION

The specific software allows to operate not only at different speeds, but also at variable or constant flow rates, thus guaranteeing a unique use experience.

LCD 70X40 mm high-resolution screen. The intuitive interface gives access to all the system information and the main settings depending on the specific application.



### VERSATILITY

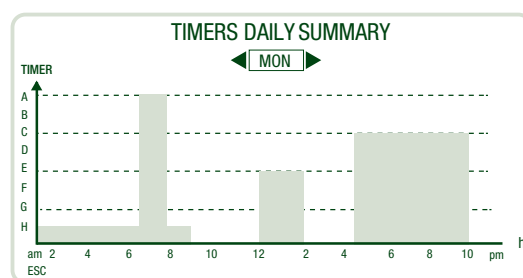
Wide choice and flexibility of use, manual or automatic operation, integrated control menu or connection from external control unit

#### MANUAL



Set point pre-set with unlimited time or configurable with specified time. Editable via panel.

#### AUTO



Auto operation with daily and weekly timer scheduling of different speeds.

Possibility to control the pump from REMOTE via digital or analogue contact (4-20mA / 0-10V)





## FEATURES



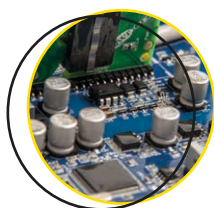
### DESIGN

This innovative solution combines aesthetics with sturdy materials highly resistant to corrosion and oxidation.



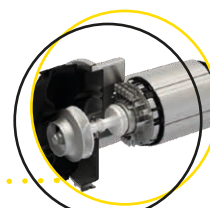
### INTEGRATED PREFILTER

It has a large canister, a cover that can be removed without tools, and an internal filter easy to take out and clean.



### VARIABLE SPEED CONTROL

Frequency converter electronic board that allows to work with variable speed or variable flow to optimize performance and minimize power consumption without the use of sensors.



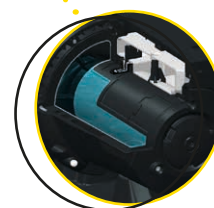
### SYNCHRONOUS PERMANENT MAGNET MOTOR

The new synchronous motor with permanent magnets represents a new benchmark on the market due to its efficiency and dependability.



### HIGH EFFICIENCY HYDRAULIC PARTS

Equipped with impeller and volute, designed specifically to improve / optimize the hydraulic efficiency.



### WATER COOLING

Motor cooled by the pumped water, which allows the elimination of the fan having a more compact product that can be installed in small poorly ventilated spaces.



### ANTI-VIBRATION FEET

Basement that guarantees stability by reducing vibration thanks to integrated rubber feet.



### USER CONTROL PANEL

Intuitive interface panel for immediate control of the pump that allows a setting suitable for every need.

High resolution LCD display.





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