



Swimming Pool Pumps Product Range



The pump is the beating heart of the swimming pool since it moves the water for the purpose of filtration and treatment. A conventional pump, however, can be extremely expensive as it consumes more power than all the other devices combined. For this reason, **DAB** designed the highly energy-efficient **E.SWIM** electronic pump with low-consumption variable speed motor and hydraulics far superior to those of single-speed pumps.

E.SWIM is the ideal solution for keeping down energy costs: it requires up to 90% less power than a conventional pump at constant speed.



Energy Saving

up to 90% to any other traditional solution



Extremely Silent Running (45dba)

Thanks to water cooling technology



High Efficiency

thanks to the new brushless motor, new hydraulics and new electronic board



Display LCD

Easy to install and use with large LCD display



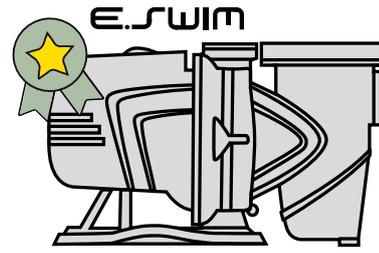
OVERVIEW

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 CO₂, which is equivalent to what 138 trees would produce. E.SWIM really makes your system more efficient and optimises 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.



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

| POOL SIZE | MODEL | E.SWIM | ENERGY COST \$/kWh | E.SWIM SAVING 1 DAY | E.SWIM SAVING 1 YEAR | E.SWIM SAVING 5 YEARS |
|----------------|----------------------|------------|--------------------|---------------------|----------------------|-----------------------|
| 30,000 Litres | 0.5 Hp single speed | E.SWIM 150 | 0.27 | \$0.88 | \$175.50 | \$877.50 |
| | | | 0.45 | \$1.48 | \$296.25 | \$1,481.25 |
| 45,000 Litres | 0.75 Hp single speed | E.SWIM 150 | 0.27 | \$1.62 | \$324.00 | \$1,620.00 |
| | | | 0.45 | \$2.70 | \$540.00 | \$2,700.00 |
| 60,000 Litres | 1 Hp single speed | E.SWIM 150 | 0.27 | \$2.00 | \$400.50 | \$2,002.50 |
| | | | 0.45 | \$3.32 | \$663.75 | \$3,318.75 |
| 70,000 Litres | 1.5 Hp single speed | E.SWIM 300 | 0.27 | \$3.69 | \$738.00 | \$3,690.00 |
| | | | 0.45 | \$6.15 | \$1,230.00 | \$6,150.00 |
| 90,000 Litres | 2 Hp single speed | E.SWIM 300 | 0.27 | \$3.65 | \$729.00 | \$3,645.00 |
| | | | 0.45 | \$6.06 | \$1,211.25 | \$6,056.25 |
| 110,000 Litres | 3 Hp single speed | E.SWIM 300 | 0.27 | \$6.03 | \$1,206.00 | \$6,030.00 |
| | | | 0.45 | \$10.05 | \$2,010.00 | \$10,050.00 |



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.

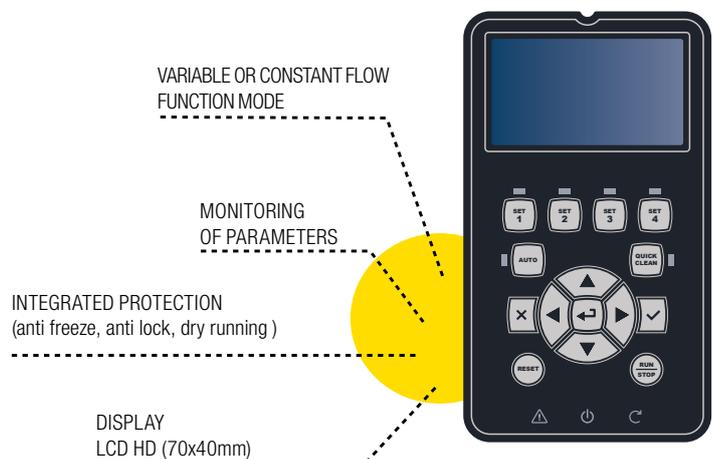


*E.Swim SVRS model available on request.

EASY INSTALLATION

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

The intuitive interface gives access to the main settings depending on the specific application and all of the system information via the high resolution LCD screen.

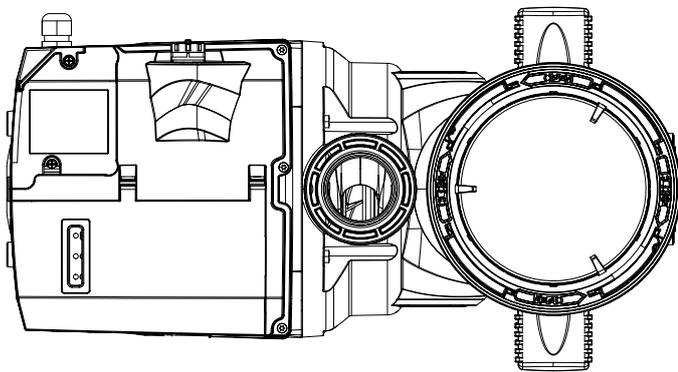
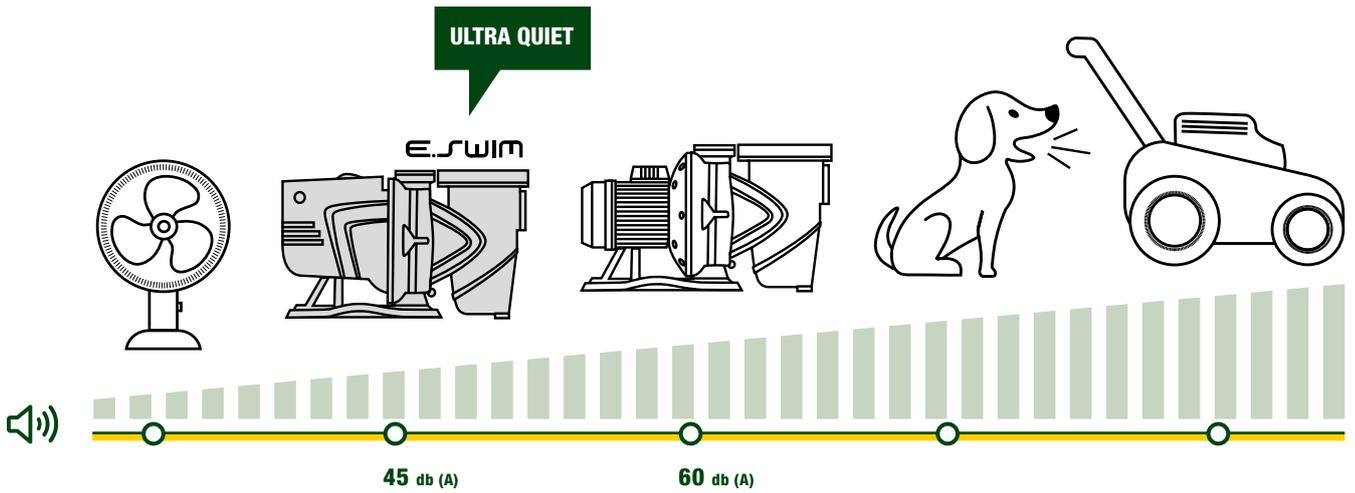


OVERVIEW

LOW NOISE

NO VIBRATIONS

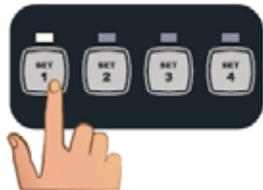
Extreme silent running, thanks to the water cooled technology
 No vibration, no cooling fan, anti vibration feet. The special water cooled motor, the inverter and the anti vibration feet make e.swim the most silent swimming pool pump on the market.



VERSATILITY

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

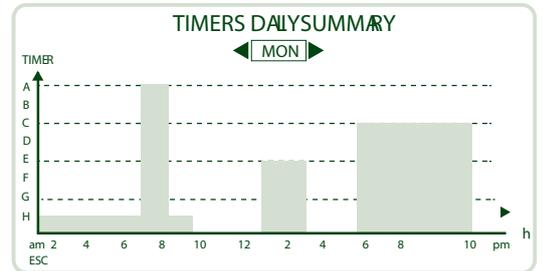
MANUAL



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

AUTO

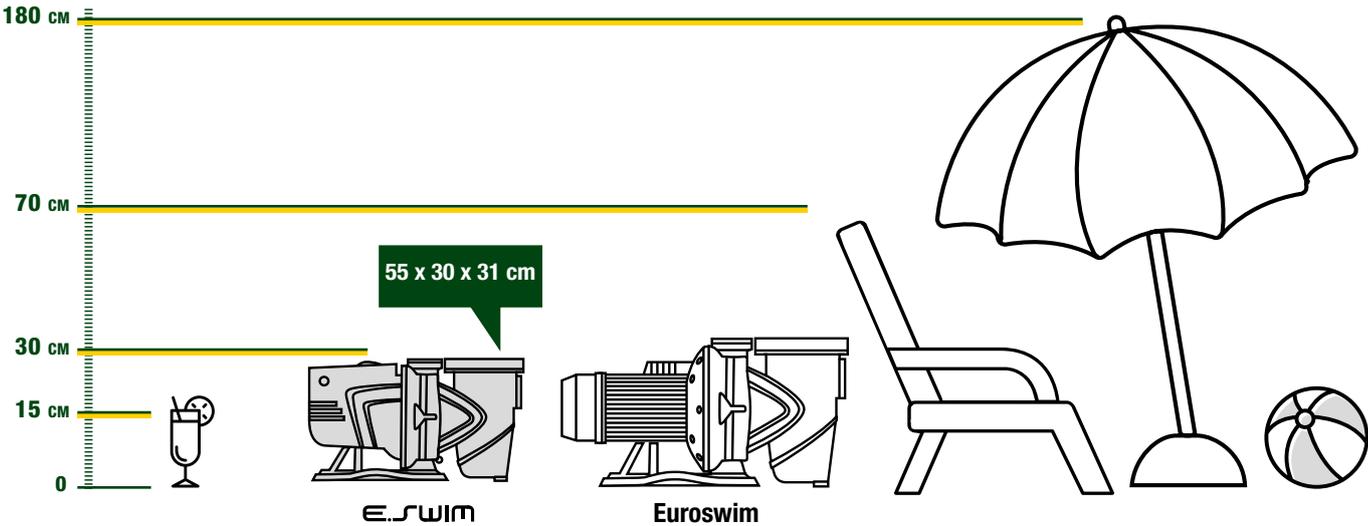
Auto operation with daily and weekly timer scheduling of different speeds. Possibility to control the pump from REMOTE via digital or analogue contact (4-20mA / 0-10V)



MINIMUM SPACE REQUIREMENT

MAXIMUM SPACE SAVING

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.



FEATURES



DESIGN

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



INTEGRATED PREFILTER

The E.SWIM has a large canister, up to 5 litres, a transparent lid that can be removed without tools, and an internal filter easy to take out and clean.



VARIABLE SPEED / FLOW CONTROL

The inverter control board allows operation at variable speed or flow rate, optimising performance and reducing consumption without the need for sensors.



SYNCHRONOUS MOTOR WITH PERMANENT MAGNETS

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



HIGH EFFICIENCY HYDRAULICS

The impeller and volute are designed specifically to improve/optimize hydraulic performance.



WATER COOLING

Motor cooled by the pumped water, free from fan cooling. This lowers the noise and makes the pump more compact.



ANTI-VIBRATION FEET

The supporting base guarantees stability with integrated rubber feet that reduce vibrations.



USER INTERFACE PANEL

Intuitive interface panel for immediate control of the pump and programming according to any needs. High resolution LCD display.

Power cable and unions included with all pumps.

E.SWIM



Euroswim

HIGH RELIABILITY



Self-priming centrifugal high performance electric pumps with incorporated high capacity pre-filter. Completely watertight motor. Extremely silent and highly reliable, developed for the circulation and filtration of water in domestic and residential swimming pools.



Efficiency

high performance with low energy consumption



Very Quiet (60 DBA)

Silent running



Reliability

Corrosion resistant materials for a long life even at extreme conditions (+ 60° ambient temperature)



Simplicity

easy-to-open transparent cover for quick cleaning of the filter



| MODEL | Flow at 10 m | |
|--------------|----------------------|----------|
| EUROSWIM 50 | 11 m ³ /h | 183 l/pm |
| EUROSWIM 75 | 14 m ³ /h | 233 l/pm |
| EUROSWIM 100 | 16 m ³ /h | 266 l/pm |
| EUROSWIM 150 | 23 m ³ /h | 383 l/pm |
| EUROSWIM 200 | 30 m ³ /h | 500 l/pm |
| EUROSWIM 300 | 38 m ³ /h | 633 l/pm |

FEATURES

DESIGN

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



QUICK AND EASY CONNECTION

In & Out connection female, threaded 2".
Optional on request: special 3 piece adjustment 50/63 mm.



HYDRAULIC COMPONENTS

All components in contact with the liquid are made in polypropylene or noryl with glass fiber.
High efficiency Impeller with special design to cover and protect motor shaft against corrosion (motor is completely insulated)



LARGE PREFILTER

It has a large canister, up to 6 litres.
Motor (suitable up to 60°) a transparent lid that can be removed without tools, and an internal filter easy to take out and clean.



ANTI-VIBRATION FEET

The supporting base guarantees stability with integrated rubber feet that reduce vibrations.



MOTOR

All metallic components are surface treated.
Suitable for working in a high temperature environment (up to 50°C).
With exhaust condensate holes.
Capacitor is internal in the terminal board box.
Water proof bearings.



TERMINAL BOARD BOX

Easy and fast line connection,
Totally closed against the motor to avoid any accidental solid particle entry.



Power cable and unions included with all pumps.

Euroswim

SELECTION TABLE

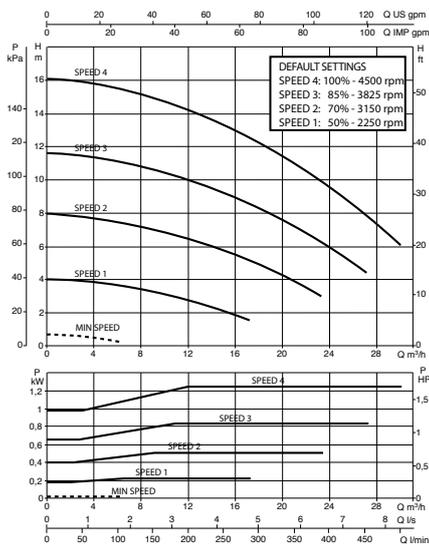
PUMP SELECTION BASED ON POOL SIZE, FLOW REQUIREMENTS AND ACCESSORIES

| | DIMENSIONS OF POOL (m) | VOLUME OF WATER (litres) | FLOW (litres per minute) | MODEL | |
|--|---------------------------|-----------------------------|-----------------------------|------------|------------------------------|
| PRIVATE SWIMMING POOL | 8 x 4 | 35,000 to 50,000 | 150 | E.SWIM 150 | EUROSWIM 50 |
| | 8x4 to 10x5 | 50,000 to 70,000 | 200 | E.SWIM 150 | EUROSWIM 75 |
| | 10x5 to 12x5 | 70,000 to 90,000 | 250 | E.SWIM 150 | EUROSWIM 75 EUROSWIM 100 |
| | 11x6 to 12x6 | 90,000 to 110,000 | 300 | E.SWIM 150 | EUROSWIM 100 |
| POOL WITH IN-FLOOR CLEANING AND POOL/SPA JETS | 8 x 4 | 35,000 to 50,000 | 150 | E.SWIM 300 | EUROSWIM 200 |
| | 8x4 to 10x5 | 50,000 to 70,000 | 200 | E.SWIM 300 | EUROSWIM 200 |
| | 10x5 to 12x5 | 70,000 to 90,000 | 250 | E.SWIM 300 | EUROSWIM 200 EUROSWIM 300 |
| | 11x6 to 12x6 | 90,000 to 110,000 | 300 | E.SWIM 300 | EUROSWIM 300 |
| PUBLIC SWIMMING POOL | 8 x 4 | 35,000 to 50,000 | 233 | E.SWIM 150 | EUROSWIM 75 |
| | 8x4 to 10x5 | 50,000 to 70,000 | 400 | E.SWIM 300 | EUROSWIM 200 |
| | 10x5 to 12x5 | 70,000 to 90,000 | 500 | E.SWIM 300 | EUROSWIM 200 EUROSWIM 300 |
| | 11x6 to 12x6 | 90,000 to 110,000 | 667 | E.SWIM 300 | EUROSWIM 300 |

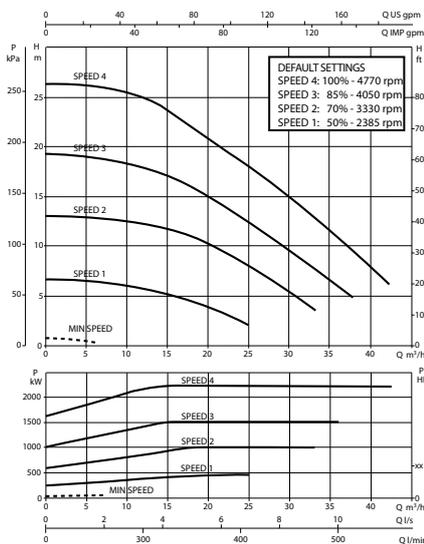
*Times for complete recirculation of water within 6 hours for private pool and 2/3 hours for public pool

E.SWIM

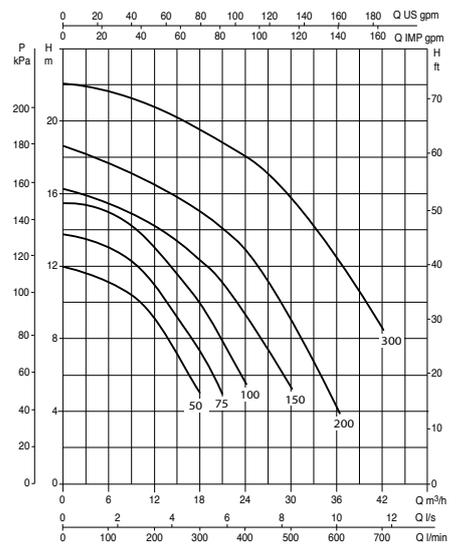
E.SWIM 150



E.SWIM 300



Euroswim



COMPARISON TABLE



E-SWIM



Euroswim

| FEATURES | E-SWIM | Euroswim |
|---|--------|----------|
| HIGH EFFICIENCY HYDRAULICS | | ✓ |
| HIGHLY RELIABLE AND DURABLE COMPONENTS | ✓ | ✓ |
| SMALL SIZE, FOR EASE OF INSTALLATION | | ✓ |
| LCD DISPLAY | ✓ | ✗ |
| 8 SPEEDS THAT CAN BE SET WITH TIMER | ✓ | ✗ |
| INTEGRATED DIAGNOSTICS FOR PROTECTION OF THE PUMP | ✓ | ✗ |
| DAB CONNECTIVITY | ✓ | ✗ |
| OPERATION AT VARIABLE SPEED | ✓ | ✗ |
| OPERATION AT VARIABLE FLOW RATE | ✓ | ✗ |
| OPERATION AT CONSTANT FLOW RATE | ✓ | ✗ |
| HIGH EFFICIENCY “BRUSHLESS” MOTORS WITH PERMANENT MAGNETS | ✓ | ✗ |
| WATER COOLING WITHOUT NEED FOR FAN | ✓ | ✗ |
| BACKWASHING MODE | ✓ | ✗ |



Available from your local DAB distributor:

AUS/NZ_DABPOOLPUMPS_SEPTEMBER2020

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