

# HYDROSTORM **ECO-V** PUMP

## Energy Saving Variable 3 Speed Pump

Equipped with an energy saving Variable 3 speed motor, Hydrostorm ECO-V is capable of lowering its energy usage & reducing its operating noise levels.

- Energy Rating of 5 Stars
- Variable permanent magnet brushless DC motor
- Ultra quiet operation



## Energy Saving

A pool filtration system does not require to be operated at a pump's maximum water flow rate as with the use of a conventional pool pump limited to one speed. In fact, your pool's filtration efficiency improves at lower flow rates.



As a pool's filtration cycle occupies 99% of the run time of a pool pump, you can operate the Hydrostorm ECO-V on its low (ECO) speed setting for a majority of its running time, leading to a potential 82% savings in energy.

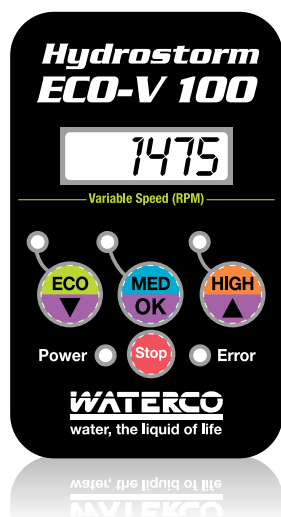
Equipped with the very latest variable 3 speed permanent magnet brushless DC motor, Hydrostorm ECO-V is capable of lowering its motor speed, reducing water flow and lowering its energy consumption.

**SLASH ENERGY USE BY UP TO 82%.**

## Variable 3 Speed Options

Hydrostorm ECO-V's 3 speed options cater for most pool functions.

- **High speed** - Vacuuming and backwash - 1% of the time
- **Medium speed** - Automatic pool cleaners
- **Low speed** - Filtration - 99% of the time



• **Variable speed** - Hydrostorm ECO-V has 3 factory set speed options ECO (low), MED & HIGH but with the additional advantage of fine adjustment in operating speed with 25 RPM increments, allowing fine tuning of the pump's motor speed to perfectly match the flow requirements of the swimming pool, maximising energy savings and minimising pump noise.

**PERFECTLY MATCH FLOW REQUIREMENTS AND MAXIMISE ENERGY SAVINGS.**

## Benefits of Slow Flow

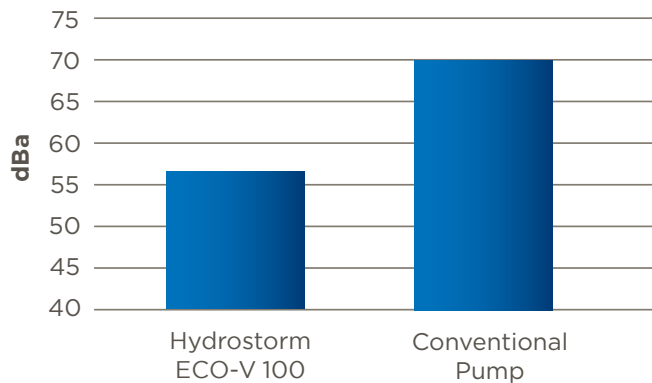
Lowering a pump's flow rate not only significantly decreases the pump's energy requirements, but also reduces water flow resistance in your pool equipment and plumbing. Even though you may need to operate the Hydrostorm ECO-V longer, it is far more efficient pumping low water flow compared to high water flow.

A slow flow rate also has the added benefit of improving your pool's filtration efficiency, enhancing the clarity of your swimming pool water. Plus your automatic chemical dosers and salt chlorinators are also more effective when the pool water is circulated longer.



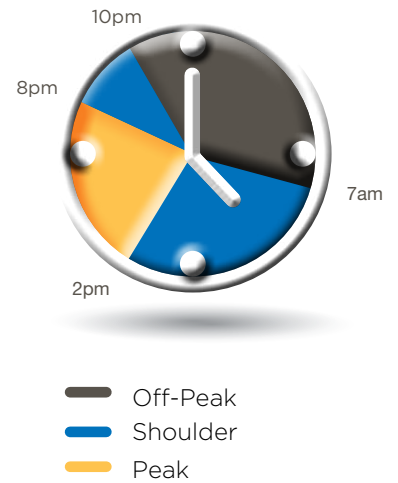
## Ultra Quiet

Hydrostorm ECO-V operates most economically and with the lowest noise level at its low speed setting. Its low speed setting significantly reduces the pump's vibration, motor noise and water turbulence to an ultra low 55.5 decibels (dBA).



## Off-Peak Operation

Its low noise levels enable it to be operated at times that are not allowable for conventional pool pumps. A Hydrostorm ECO-V allows you to take advantage of off-peak electrical tariff periods, without upsetting your neighbours.



**SAVE HUNDREDS OF DOLLARS  
OFF YOUR ENERGY BILLS.**

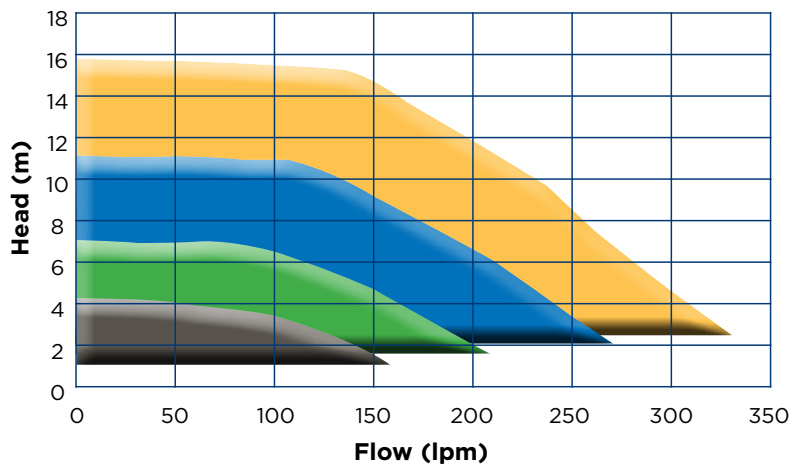
## Key Features

1. Variable 3 speed control panel, IP55 rating
2. Permanent magnet brushless Variable 3 speed DC motor
3. UV stabilised & corrosion resistant
4. 50mm quick connect barrel unions for UPVC pipe
5. Clear basket lid & large 2.1lt strainer basket
6. High grade carbon/graphite mechanical seal with 316 stainless steel spring assembly
7. Strong single piece glass filled thermoplastic pump body
8. Drain plugs
9. Stable support base
10. Hydraulically efficient impeller and diffuser design
11. Fan cooled thermal overload protection



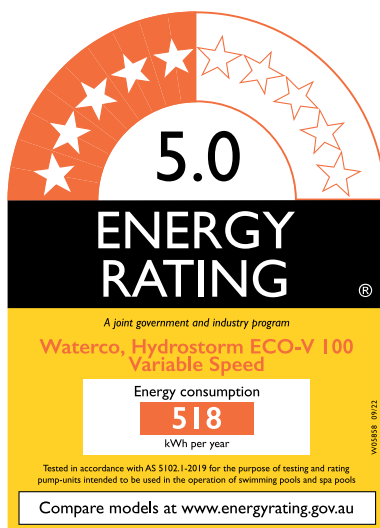
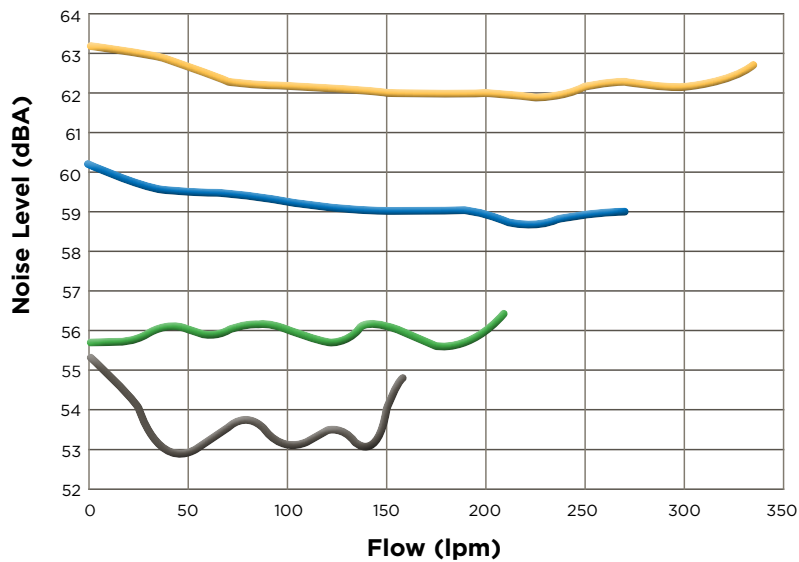
Motor protection bracket. This protection bracket adds a 61mm separation between the pump wet end and motor. The bracket also has larger drain holes for improved draining of any water leaks due to long term usage wear of the main mechanical seal.

## Hydrostorm ECO-V Performance Curves



- ECO-V speed (1475rpm)
- ECO speed (1900rpm)
- Medium speed (2410rpm)
- High speed (2850rpm)

## Hydrostorm ECO-V Noise Levels



## Warranty

Pumps	3 years (conditional)*
Wet End	3 years
Motor, mechanical seal, hair & lint pot lid, o'ring, basket, impeller & diffuser	2 years
Commercial applications	1 year
Labour	1 year

\*Please refer to Waterco's warranty terms and conditions

## Specifications

Length (mm)	Height (mm)	Width (mm)	Packaged Weight (kg)	Inlet/Outlet (mm)	Strainer Basket (lt)
650	340	227	12	50	2.1

### ECO-V speed (1475rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
1.8	142	0.16	1.2	56.5
2.3	127	0.16	1.2	55.8
2.8	115	0.16	1.2	56.3

### Medium speed (2410rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
5.3	220	0.53	4.1	58.7
7.0	193	0.54	4.1	59
9.9	135	0.52	3.9	61.5

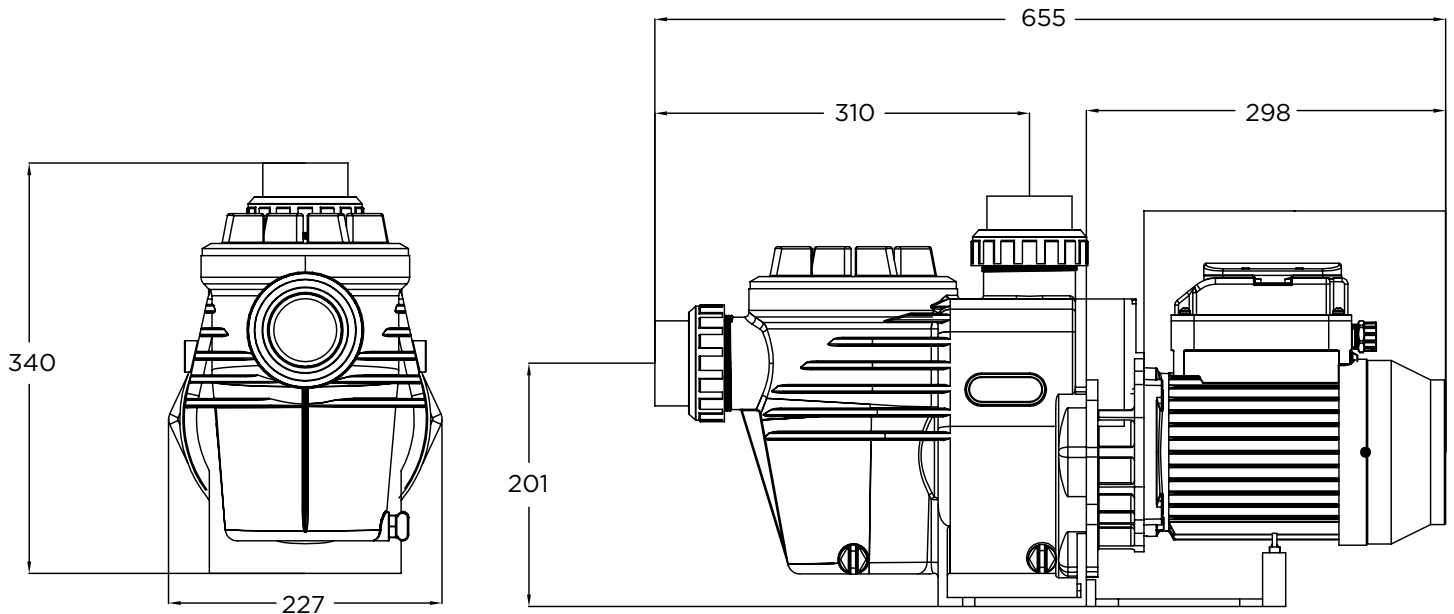
### ECO speed (1900rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
4.7	145	0.30	2.3	56.1
5.5	129	0.30	2.3	55.7
6.3	107	0.28	2.2	55.9

### High speed (2850rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
7.3	264	0.86	6.6	62.3
11.8	201	0.87	6.6	62
15.2	134	0.79	6.0	62.1

## Dimensions (mm)





## Company Profile

Waterco pioneers reliable solutions for healthy, safe water environments, which are used in residential, commercial and industrial applications in over 40 countries.

Established in 1981 in Sydney, Australia, it has since become a global brand recognised for designing and manufacturing filtration and sanitisation innovations for the swimming pool, spa, aquaculture, and water purification sectors.



### OFFICES - AUSTRALIA

NSW - Sydney (Head Office)  
Tel: +61 2 9898 8686

QLD - Brisbane  
Tel: +61 7 3299 9900  
VIC/TAS - Melbourne  
Tel: +61 3 9764 1211

WA - Perth  
Tel: +61 8 9273 1900  
SA/NT - Adelaide  
Tel: +61 8 8244 6000

ACT Distribution  
Tel: +61 2 6280 6476

### OFFICES - OVERSEAS

Waterco (Europe) Limited  
Sittingbourne, Kent, UK  
Tel: +44 (0) 1795 521 733

Waterco (USA) Inc  
Augusta, Georgia, USA  
Tel: +1 706 793 7291

Waterco Canada  
Boucherville, Quebec, Canada  
Tel: +1 450 748 1421

Waterco (NZ) Limited  
Auckland, New Zealand  
Tel: +64 9 525 7570

Waterco (C) Limited  
Guangzhou, China  
Tel: +86 20 3222 2180

Waterco (Far East) Sdn Bhd  
Selangor, Malaysia  
Tel: +60 3 6145 6000

PT Waterco Indonesia  
Jakarta, Indonesia  
Tel: +62 21 4585 1481

Waterco Singapore Intl Pte Ltd  
Nehsons Building, Singapore  
Tel: +65 6344 2378

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