



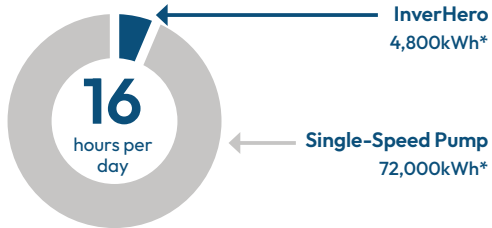
Introducing the new Inver Hero pump with Full-inverter technology complete with a Permanent Magnet Synchronous Motor (PMSM). The PMSM motor offers better efficiency than previous AC models. Upon setup the integrated smart technology establishes the maximum flow rate achievable according to your water turnover and requirements in your pool circulation system.

The smart system will adjust to affect and balance your circulation rate according to pressure changes in your pool system, with smooth, whisper quiet operation. Without the traditional 3-5 speed variable limitations, the pump offers you 100% control over the flow rate and allows you to adjust it to your desired rate outside of set parameters. When you turn the flow right down the power consumption also drops due to the inverter technology and the PMSM motor which offers better efficiency than previous AC motor models, so no energy is wasted.



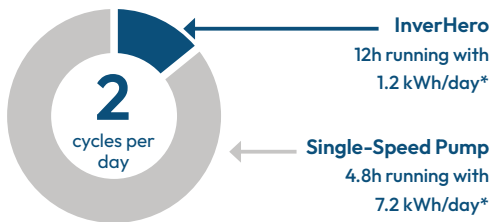
Saves Energy

6-15 times more energy efficient save up to 6700kWh every season compared to a single speed pump run for 16 hours/day*



Longer Filtration, More Energy Saving

If run for 2 cycles/day



*InverHero (1.1kW) VS Single-Speed Pump (1.5kW); 25m³/h @8m
Length of swimming seasons: 10 months per year
Pool size: 60m³



What is PMSM?

PMSM is a cross between an induction motor and brushless DC motor. With permanent magnets the PMSM can generate torque at zero speed. PMSM are typically used for high performance efficiency drives. High performance motor control is characterized by smooth rotation over the entire speed range of the motor, full torque control at zero speed and fast acceleration and deceleration.

Features and functions

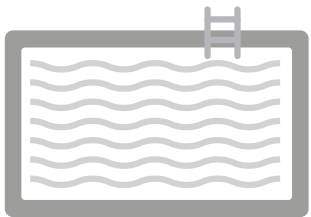
- Self-priming function means no risk of damaging the pump when it is empty of water
- Backwash function
- You can view the running capacity and flow rate on the clear display
- The integral digital controller means you can set a timer without the need for secondary control
- Auto-inverter mode will adjust flow rate according to what it requires at a specific time
- Auto calibration mode will calculate the flow it gets through the system
- Skimmer mode means debris hasn't got the chance to settle and your water will not sit stagnant, the top of the pool will be skimmed
- The Inver Hero pump offers alternative external analogue to digital control via RS485 digital input via 7-pin plug and a 2.5m cable.
- Built in Wi-Fi operation .

“ 100% control over the flow rate. ”



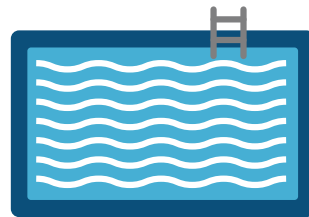
Due to low power consumption the Inver Hero pump offers you the alternative for 24 hour filtration. Constantly filtering your water will reduce the length and frequency of your backwash requirements and contributes to cost saving as detailed below:

4 hours circulation



- Infrequently filtered
- Water wasted through frequent backwashing
- Extra pool maintenance
- Long term pool damage
- Dirty Water

24 hours circulation (InverHero)



- Constantly filtered
- Less pool maintenance
- Longer pool life
- Saves water
- Crystal clear water

Application conditions

Ambient temperature	Indoor installation, temperature range: -10 - 42°C
Water temperature	5°C - 50°C
Salt pools	Salt concentration up to 0.5%, i.e 5g/l
Humidity	<90% RH, (20°C±2°C)
Installation	The pump can be installed max 2m above water level
Insulation	Class F, IP55

Technical specifications

Model	Advised Pool Volume (m3)	P1	Voltage (V/Hz)	Qmax (m3/h)	Hmax (m)	Circulation (m3/h)	
		KW				At 8m	At 10m
IH20	30-50	0.75	220-240/50/60	23.4	18.0	18.1	14.1
IH24	40-70	1.05		26.0	20.0	23.0	19.3
IH30	60-90	1.40		28.3	20.5	27.6	24.5
IH40	80-120	1.75		40.3	20.5	35.6	32.0

Warranty 2 years



Model	Nominal Flow rate at 8m	Ocea RRP (ex Vat)
IH20	18.1	£635
IH24	23.0	£805
IH30	27.6	£895
IH40	35.6	£1023