

AQUAGEM®



ART OF SILENCE

Up to **20** Times Energy-saving

INVERMASTER



20 Times
Energy Saving



40 Times
Silent

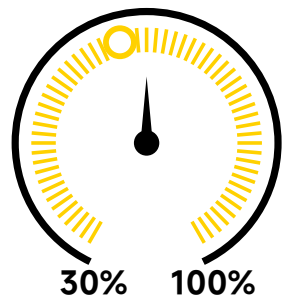


InverSilence-Cool
Technology



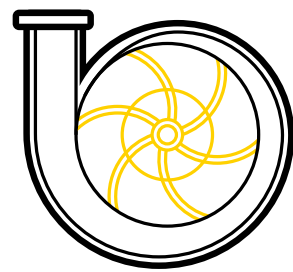
The pump is the heart of the swimming pool. For decades, people have had to endure the high energy consumption and high noise of single-speed pumps. To overcome this dilemma, Aquagem has developed InverSilence technology, the leading technology for addressing noise and inefficiency in pump applications.

InverSilence technology combines inverter drive, volute hydraulic structure and brushless DC motor to precisely control motor speed through intelligent algorithms, creating the quietest and most energy efficient inverter solution.



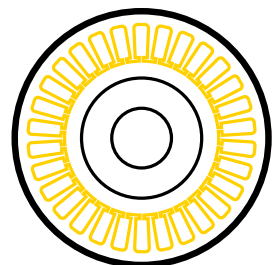
Inverter drive

Smart calculation and Precise control for more silence and higher efficiency.



Volute hydraulic structure

More turbulence-free flow at less noise.

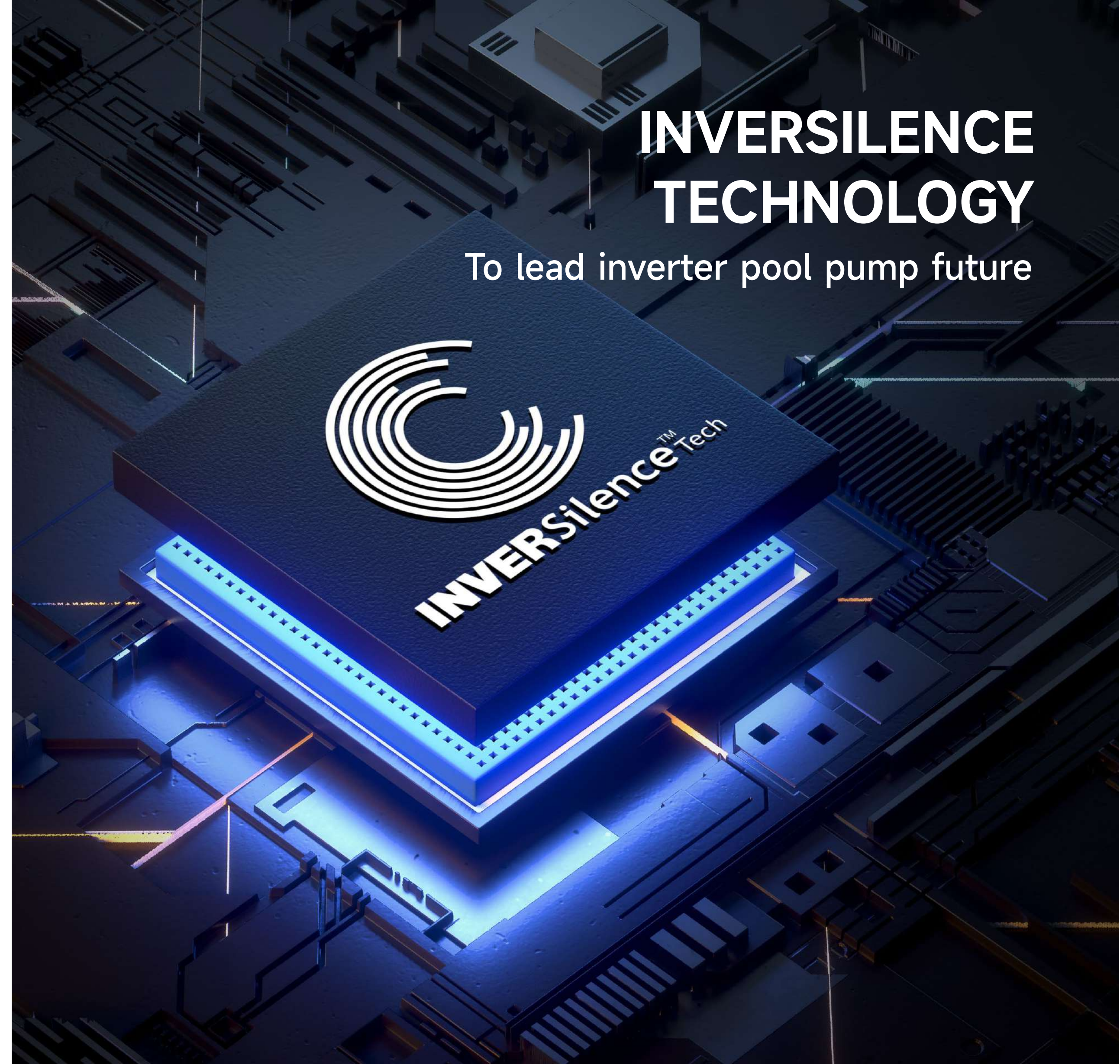


IE5 DC Brushless Motor

Higher efficiency and more durability.

INVERSilence TECHNOLOGY

To lead inverter pool pump future

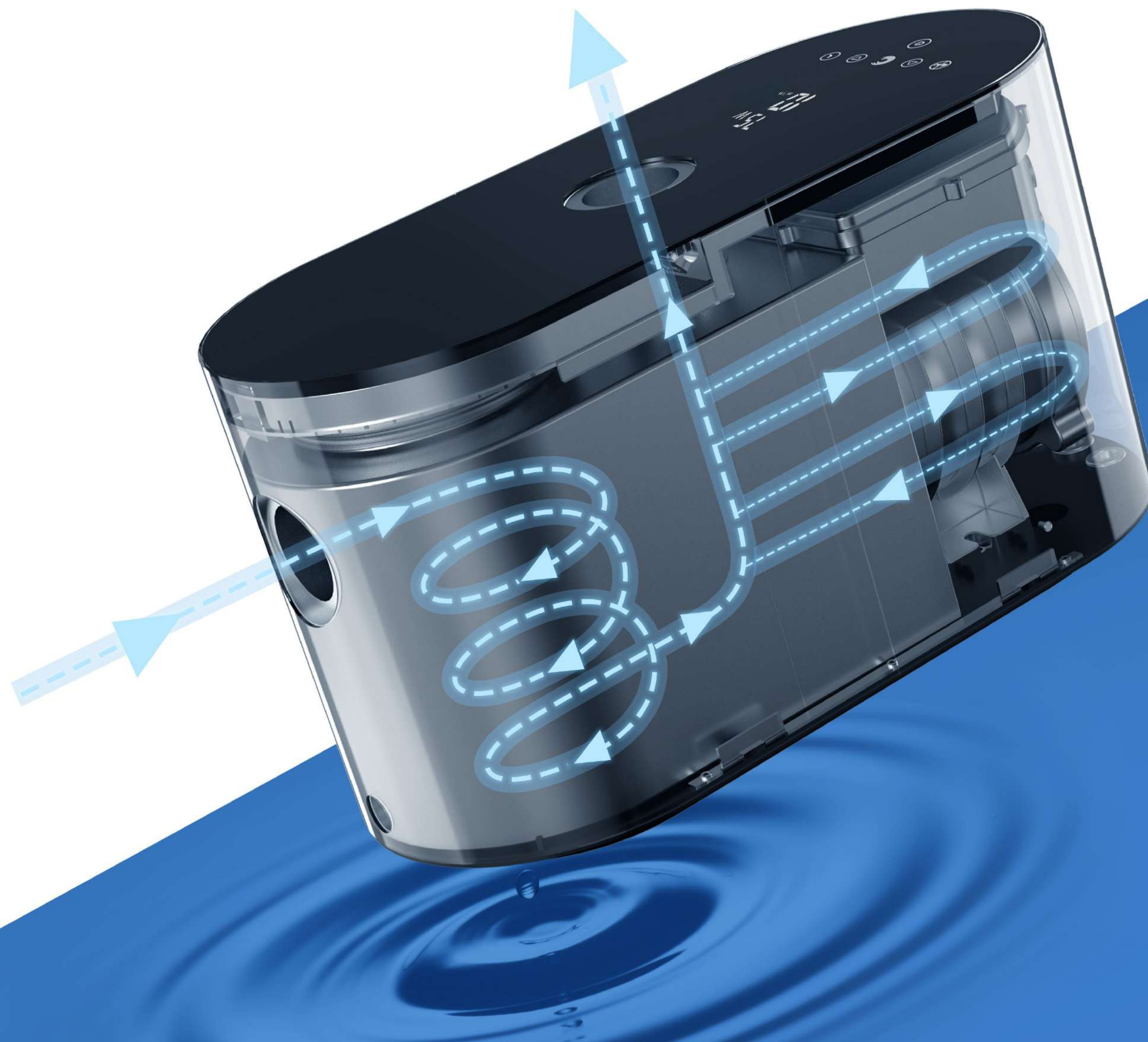


30 dBA

UP TO 40 TIMES SILENT

Water cooling system

Apart from the InverSilence Technology, the water cooling system makes the pump free of fan, and the operation noise is down to 30dBA@1m, which is 40 times more silent compared to single speed pump.



Single Speed Pump

1.5KW 25m³/h at 8m



InverMaster

1.1KW 26m³/h at 8m



20X ENERGY SAVING

Compared with traditional single speed pump,
each year you could save

8,322 KWh

Save on electricity bills

€2080.5

CO₂ emissions would be prevented

2338 kg

Equivalently plant trees for the earth

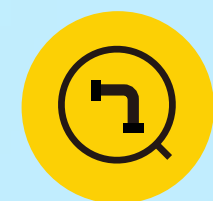
130 trees

InverMaster is the most energy-saving pool pump on the market. You can enjoy the 4-season swimming pool without the worry about the electricity bill with InverMaster. Moreover, it'll make the heating system more efficient, the pool cleaner, and the pump life longer.

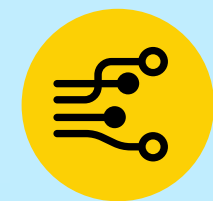
Assumptions: A 4-season pool averagely runs 16 hours in 365 days. Electricity price is €0.25/kWh.

INTELLIGENCE TECHNOLOGY

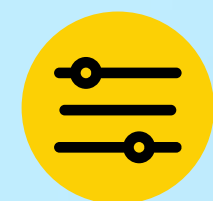
The Inverter “Brain” can not only monitor the change of pipeline pressure and do smart calculation, but also can send commands to the pump driver for automatically adjustment of flow range and running capacity. Therefore, our Inverter pump not only can provide users with pipeline detection and early warning service, but also can ensure appropriate flow rate.



Real-time
detection









Intelligent
calculation



Automatic
adjustment



FULL TOUCH SCREEN CONTROLLER

-  AI/MI mode optional
-  Running capacity reading
-  Flow reading
-  Power consumption reading
-  One-click backwash
-  Wi-Fi / Bluetooth control



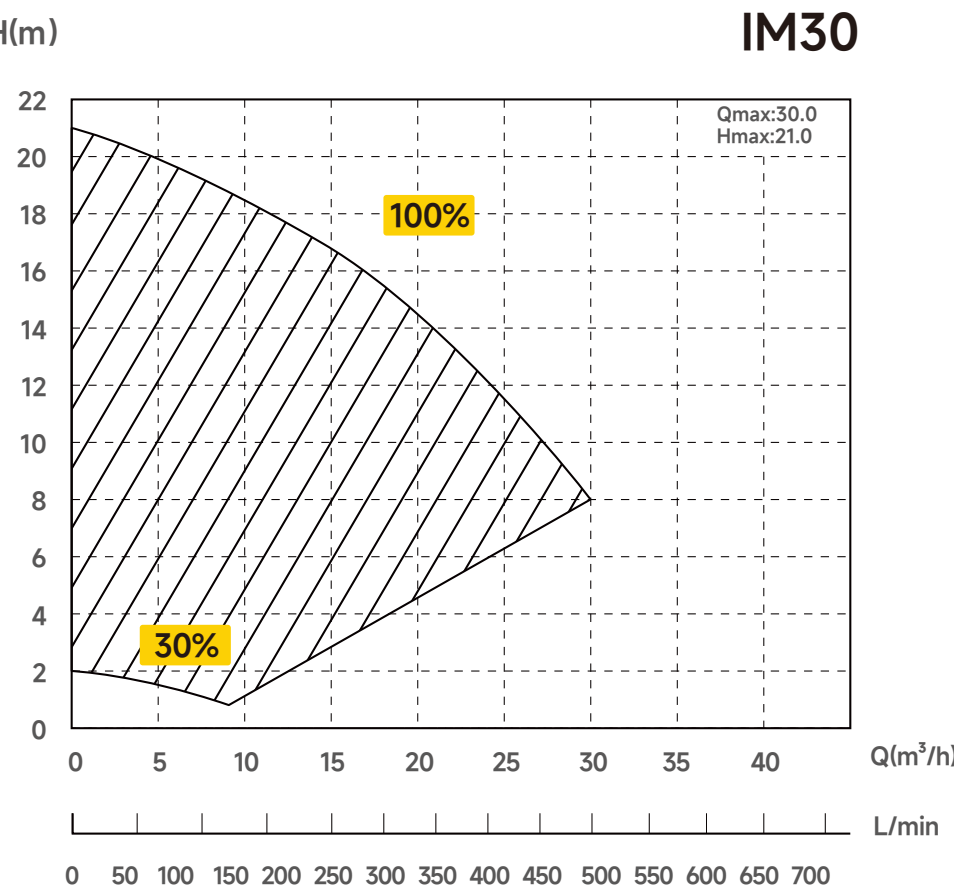
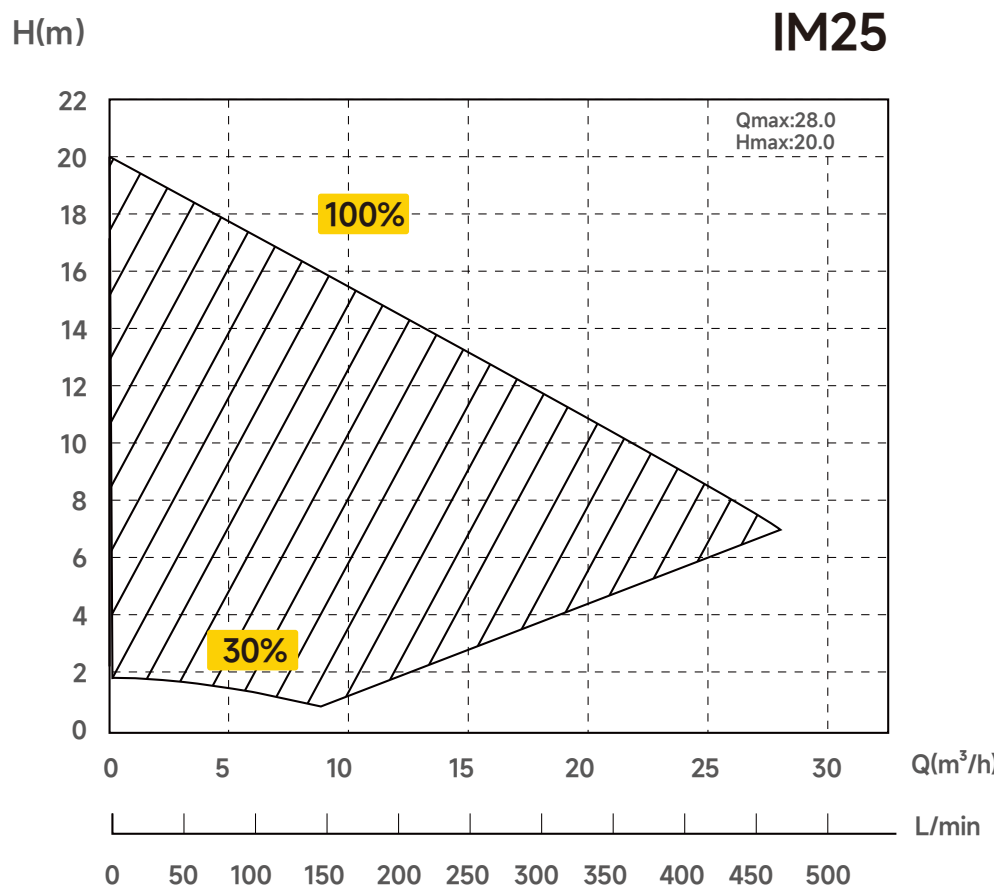
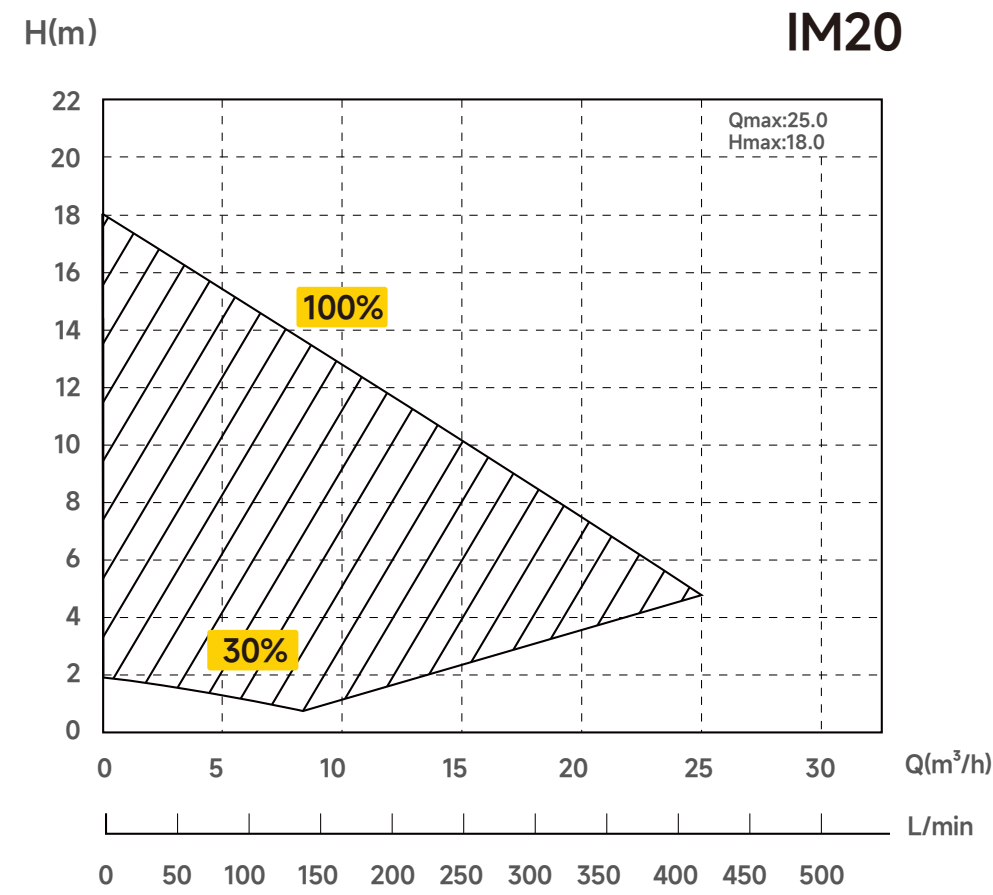
OTHER FEATURES

- **External Control Optional**
RS485 modbus, Digital input, Analog input, Relay output
 - **Soft Start**
Start from 0 amp to rated amps steadily.
There is no rush to the house electricity system
 - **No-water Protection**
To protect the pump from running dry
 - **Salt Water Available**
Salt concentration up to 0.5%
 - **Protection Class:**
Class F, IP55
-
- **Highlight Components**
Hydraulic Structure: Self-designed Volute
Motor: IE5 DC Brushless Motor
Mechanical Seal: SUS316



PARAMETER

Model	Advised pool volume (m³)	P1 (max) (kW)	Voltage (V/Hz)	Current (A)	Qmax (m³/h)	Hmax (m)	Q at 8m (max) (m³/h)	Q at 10m (max) (m³/h)
IM20	30~50	0.80	220~240 / 50 / 60	3.5	25.0	18.0	19.5	15.5
IM25	40~70	1.10		4.8	28.0	20.0	25.0	21.5
IM30	60~90	1.40		6.2	30.0	21.0	29.7	26.7



OVERALL DIMENSION

