

AQUARK®



UP TO **14** TIMES  
ENERGY-**SAVING**

InverCaptain

# InverSilence Technology

Thanks to InverSilence technology, the motor speed can be controlled precisely. And with high-efficiency DC brush-less motor, the pump is very energy-saving and quiet. In daily use, to reach the best filtration effect, it is recommended to let the pump run at a small flow, which is extremely quiet and energy-efficient.



## Full inverter controller

The inverter drive can precisely control the pump speed. It allows the running capacity to be adjusted between 30~100%.



## DC brush-less motor

DC brushless motor ensures the pump much less noise, higher efficiency and more durability.

# Up to 14 Times Saving

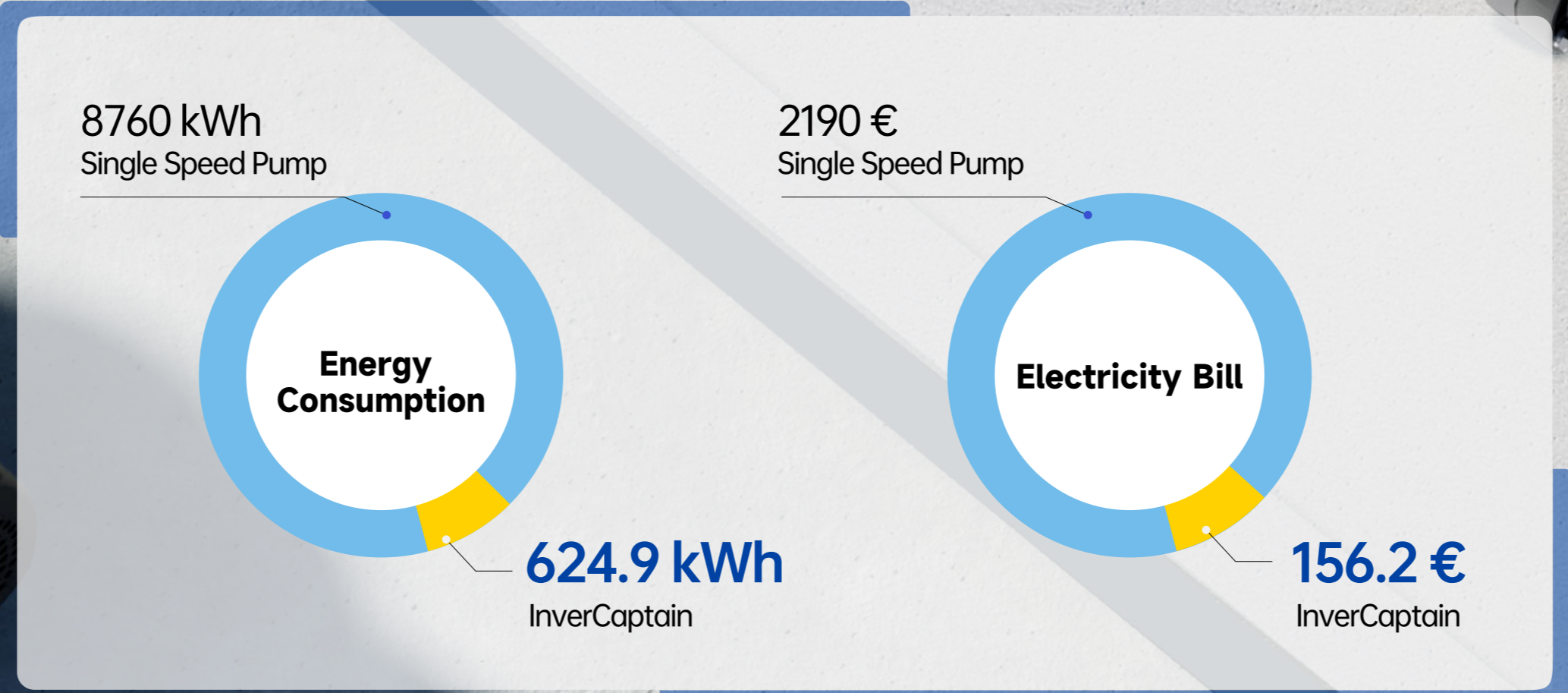
Compared to traditional single speed pump, each year you could save 8,135.1kWh, 2,033.8€



**1.5kW**  
Q@8m:25m<sup>3</sup>/h  
Single Speed Pump



**1.05kW**  
Q@8m:24m<sup>3</sup>/h  
InverCaptain



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

# Down to 36dB(A)

Apart from the Inverter Technology, the IE4 DC brush-less motor makes the noise down to 36dB(A)@1m, which is 30 times more silent compared to single speed pump.



InverCaptain



On/off pump



30db(A)

40db(A)

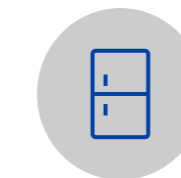
50db(A)

60db(A)

70db(A)



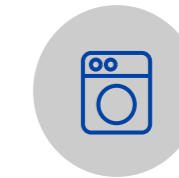
Quiet bedroom at night



Refrigerator



Moderate Rainfall



Washing machine



# Intuitive Touch Controller



## AI/MI Mode

Auto Inverter Mode:

After setting the flow rate, the pump can adjust the running capacity automatically to reach the set flow.

Manual Inverter Mode:

Running capacity can be set from 30% ~ 100% manually



## Power consumption reading



## One-click backwash



## Wifi control optional

# Other Features



**External control optional :**

RS485 modbus, Digital input, Relay output



**Soft Start**

Start from 0 amp to rated amps steadily



**Efficiency class of motor: IE4**



**IP rating: IP55**



# Technical Parameter

Model	Advised pool volume (m <sup>3</sup> )	P1 (kW)	Voltage	Qmax (m <sup>3</sup> /h)	Hmax (m)	Circulation Flow (m <sup>3</sup> /h) (Max)	
						8m	10m
DC20	30~50	0.75		24.5	18.0	18.0	14.0
DC24	40~70	1.05	220-240/50/60	27.0	20.0	24.0	20.0
DC30	50~80	1.4		29.0	21.0	29.0	25.4

# Overall Dimension

Packing Dimension (mm)
638*285*340

# Performance Curve

