



- ☆ **WORLDWIDE NO.1 PUMP FOR SAVING ENERGY**
- ☆ **FULLY VARIABLE FLOW**
- ☆ **SUITED FOR BOTH WET& DRY INSTALLATION**
- ☆ **100% SEAWATER PROOF**
- ☆ **EXTERNAL CONTROLLER**
- ☆ **LATEST TECHNOLOGY TRUE SINE WAVE**

Product list

Aquaculture/Pond/Aquarium Pump

Type	Efficiency	Max GPH / M3	Inlet	Outlet	Watts	Max Head	Pump weight (kg)	Controller weight (kg)
BLUE-ECO 240 WATT (SP2402A01-01)	90%	4850 / 22	63mm	63mm	10-240	9 m	3.3	1.3
BLUE-ECO 320 WATT (SP3202A01-01)	90%	4850 / 22	63mm	63mm	10-320	11 m	3.3	1.3
BLUE-ECO 500 WATT (SP5002A01-01)	94.60%	7000 / 32	63mm	63mm	10-500	11 m	7.95	2.0
BLUE-ECO 900 WATT (SP9002A01-01)	94.60%	7700 / 35	63mm	63mm	10-900	13 m	7.95	5.0
BLUE-ECO 1500 WATT (SP15002A01-01)	94.60%	9240 / 42	63mm	63mm	10-1500	16 m	12.2	6.0
BLUE-ECO 2200 WATT (SP22002A01-01)	94.60%	9240 / 42	63mm	63mm	30-2200	18 m	12.2	7.5



Blue-Eco pump
1500/2200watt



Blue-Eco pump
500/900watt



Blue-Eco pump
240/320watt



Intelligent
Controller
900watt



Intelligent
Controller
500watt



Intelligent
Controller
240watt



Marine Pump

Type	Capacity	Inlet	Outlet	Watts	Max Head
BLUE-ECO Marine 240W (MP2402A01-01)	28m3	50mm	50mm	14-240	7 meters



Swimming Pool Pump

Type	Capacity	Inlet	Outlet	Watts	Max Head
Swimming pool 900 watt (PP9002A01-01)	42m3	63 mm	63 mm	10-900	8-15 meter
Swimming pool 1500 watt (PP15002A01-01)	52m3	63 mm	63 mm	10-1500	8-15 meter
Swimming pool 2200 watt (PP22002A01-01)	60m3	63 mm	63 mm	30-2200	8-17 meter



Blue-Eco Pump
1500/2200watt



Controller 1500watt



Controller 2200watt

Flow Water Pump

Type	Capacity	Inlet	Outlet	Watts	Max Head
Flow water pump 500 watt (FP5002A01-01)	60m3	88 mm	88 mm	10-500	4-7.5 meter
Flow water pump 900 watt (FP9002A01-01)	88m3	88 mm	88 mm	10-900	8-7.5 meter
Flow water pump 1500 watt (FP15002A01-01)	120m3	88 mm	88 mm	10-1500	8-7.5 meter
Flow water pump 2200 watt (FP22002A01-01)	130m3	88 mm	88 mm	30-2200	8-7.5 meter



Flow Water Pump

HIGH EFFICIENCY ENERGY-SAVING BLUE-ECO PUMP

Technical Specifications:



ROTOR

The rotor is the heart of the driving force and needs to fulfill the highest demands. The 8 pole rotor is built around the tungsten or titanium shaft. This static and dynamic balanced rotor consists of 16 high quality neodymium super magnets. The rotor is protected by a composite layer of aramid fiber reinforced carbon.

Both ends have double shaft seal with smooth bearings which sit in a resonance free silicon bedding. As well as making these pumps capable of handling sea water it also prevents vibrations which can be sensitive to some invertebrates and koi.



STATOR

The 27 poles stator not only gives an equal propulsion, due to the True Sine Wave technique it also has an unmatched torque.



PUMP HOUSING

The pump housing is made from blended ABS and PC (polycarbonate) that unifies the positive features of both materials. Inside the housing the stator is fully cast in epoxy resin and is protected by a strong layer of aramid fiber reinforced carbon.

POWER MODULE

The power module uses True Sine Wave technology for high reliability. Unlike brushless DC motors with square wave technique, BLUE-ECO pumps use True Sine Wave technology for the best features: High Efficiency (94.6%), noise free running, high torque, wide RPM range, CO2 reduction.



BEARINGS

For pumps, the bearing system is the most important part for reliability and life span. Blue-Eco pumps have a diamond-hard bearing system of doped silicon carbide with or without the combination of the super strong and durable tungsten. The use of these high quality materials are unique and exclusive for these pumps and guarantee a long and trouble free operation.

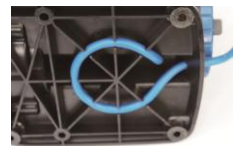


LEAKAGE FREE

The way BLUE-ECO pumps are constructed prevents any internal leakage. The rotor rotates in the same water that lubricates the bearings. With a unique rinse-system, different for both models, the water inside will be continuously changed during operation.

WATERPROOF

The pump is completely waterproof confirming to class IP68 (up to 12 meters of water head). The controller is waterproof up to class IP64 (splash proof).



CABLE

The cable on the BLUE-ECO has extra protection for maximum safety in case of damage. The outer mantle is made of TPE and is fully saltwater proof. Due to this cable the pump can be fully submersible in (sea)water.

CERTIFICATION

The BLUE-ECO pump is the only pump in its class that has both the European CE certifications as well as the German "TUV Prufungs and Test Certificate". This guarantees extra quality and safety.



TEST PROCEDURES

The University of Shenzhen supplies the software for the controllers and every controller is individually checked and certified. Every pump also undergoes an extensive test procedure and comes with its own unique test certificate.

