



# Brochure

Shaftless electric pump solutions



**HIGH VOLUME PUMPS**  
The Dutch shaftless electric pump solution



## **HIGH VOLUME PUMPS**

Unlocking High Efficiency  
With The Ultimate Volume  
Performance



## **LOW-COST BATTERIES**

High Energy Density  
With Minimal  
Dimensions

12V 60Ah/100Ah/200Ah  
48V 60Ah/100Ah/200Ah

# Our mission

With our focus on innovation, user-friendliness and sustainability, we aim to make such powerful pumps that there is no longer any excuse not to pump electrically.

## Purpose

Our purpose is to help as many people and companies as possible with our pump solution.

## Quality control

In order to guarantee the quality of our products, our production is located in the Netherlands. Not only is the production quality higher here, the monitoring of the quality is also a lot easier.

## Test facilities

We dedicated years to perfecting it, conducting rigorous testing on various prototypes. In July 2022, we proudly introduced the perfected product.

## Sustainable

Our organization actively contributes to a sustainable world by developing innovative solutions for environmental challenges.

## Team

With our specialized team, we have created the perfect pump. A pump which weighs little, is relatively small and has high volume power. These benefits make sure that we can provide our customers the perfect fit for their applications.

## Why a High Volume Pump?



Our electric pumps deliver **high volume**, low-power performance for optimal efficiency.

Our electric pumps boast **limited dimensions** for efficient and space-saving projects.

With our pumps, it is possible to pump up **contaminated water**.

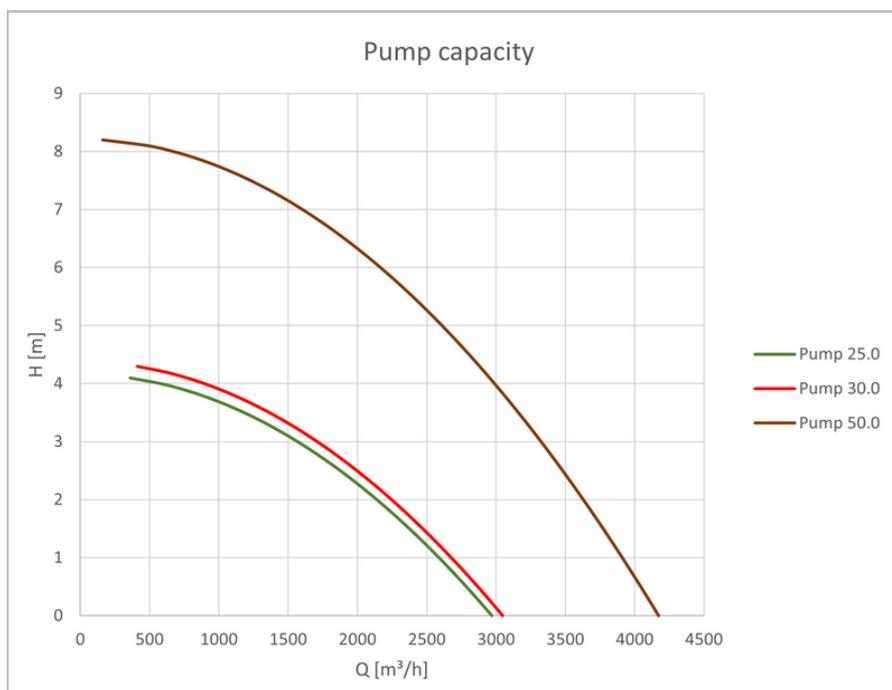
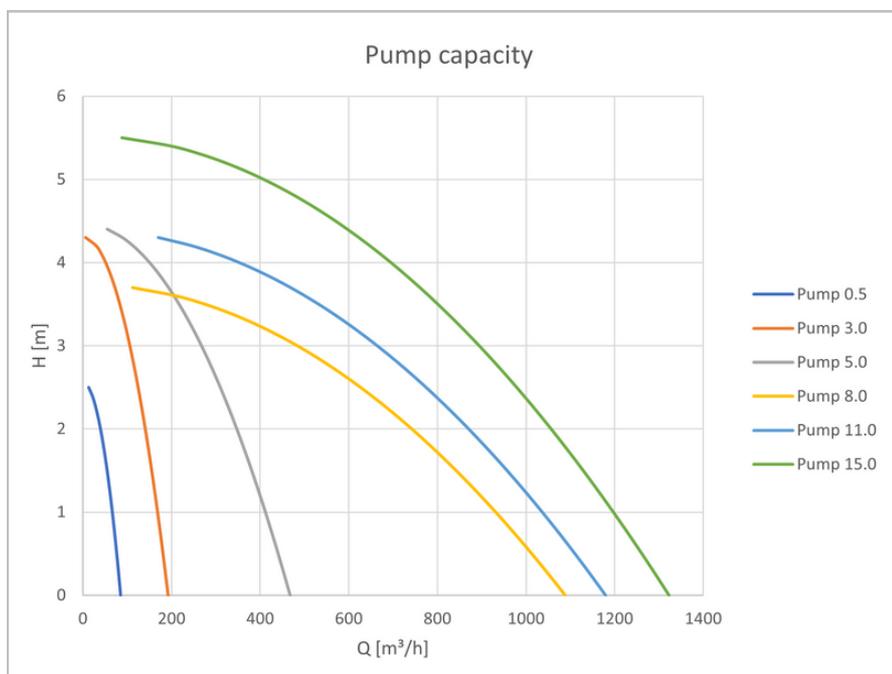
No center shaft **limits** the chance that vegetation, fishing ropes or plastic will get stuck in the propeller.

The pump has been designed by our engineering department to require almost **no maintenance**.

# A revolution in pump solutions

A HighVolumePump contains its electric winding in the outer (stator) housing. This housing is casted to avoid any use of sealings. The inner housing which contains the magnetics is also potted to avoid any internal corrosion. The bearing system is water lubricated and will last for thousands of hours by normal use.

The variety of our connecting rings and propeller makes it the most efficient way of propulsion. Each part has been simulated via CFD analysis and intensively tested in real circumstances.





# PUMPS

Electric pumps 0.5 – 50.0 kW

## Characteristics



Electric pump



Water lubricated



Low in maintenance



Limited dimensions



One day installation



Light weighted

## Specs

	Pump 0.5	Pump 3	Pump 5	Pump 8	Pump 11
Input power*	500 Watt	3.000 Watt	5.000 Watt	8.000 Watt	11.000 Watt
Voltage **	48V or 230V	24V, 48V, 230V or 400V	24V, 48V or 400V	48V or 400V	48V or 400V
Weight dry*	2.5 kg	3.5 kg	5 kg	11 kg	11 kg
Waterproofness	IP68	IP68	IP68	IP68	IP68
Efficiency	> 87%	> 87%	> 87%	> 87%	> 87%
Outside diameter	108 mm	141 mm	191 mm	290 mm	290 mm
Length (excluding flange)	76 mm	110 mm	110 mm	110 mm	110 mm
RPM control**	Manual or CAN (other on request)				
Flow rate*	85 m <sup>3</sup> /h	193 m <sup>3</sup> /h	465 m <sup>3</sup> /h	1089 m <sup>3</sup> /h	1180 m <sup>3</sup> /h
Standard cable length	200 cm				
Propeller diameter	65 mm	86 mm	133 mm	212 mm	212 mm

\*Depending on configuration, water temperature, propeller, cables and motor controller cooling.

\*\*The combination of 230V/400V and the CAN (other CM) involve additional costs.

# Simplified but better

A High Volume Pump is the most simplified pump design which is ever made. But don't confuse simplified with less powerful.

With the 50kW electric pump that weighs only 70kg, has an outer diameter of 470 mm, we can move 1160 litres of water per second.

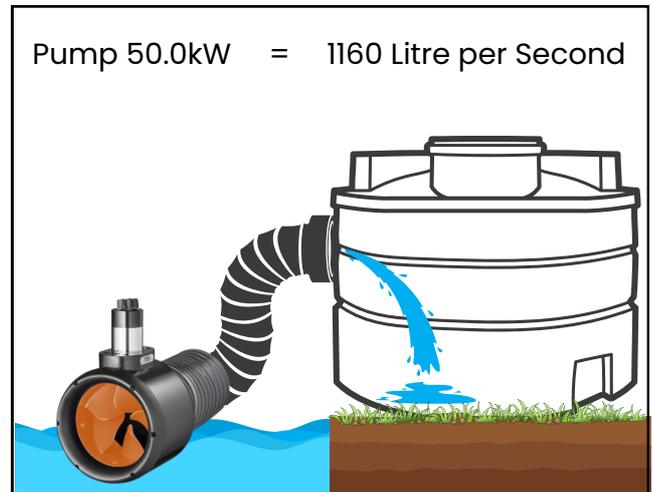
## Integration



Contaminated water



Custom made projects



Pump 15.0	Pump 25.0	Pump 30.0	Pump 50.0
15.000 Watt	25.000 Watt	30.0000 Watt	50.000 Watt
48V or voltage on request	96V or voltage on request	110V or voltage on request	400V or voltage on request
15 kg	70 kg	70 kg	70 kg
IP68	IP68	IP68	IP68
> 87%	> 87%	> 87%	> 87%
290 mm	470 mm	470 mm	470 mm
145 mm	180 mm	180 mm	180 mm
Manual or CAN (other on request)			
1323 m3/h	2970 m3/h	3047 m3/h	4173 m3/h
200 cm	200 cm	200 cm	200 cm
212 mm	341 mm	341 mm	341 mm





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**Electric** pumps

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