



Scan to Review
Full Installation Manual

ELITE VS Inverter Pool Pump

Quick Start Guide

- > Real time active energy monitor.
- > Optimal and ongoing energy efficiency.



FULL INVERTER TECHNOLOGY

Set the speed you need for your pool and save energy with full variable speed from 30% to 100% control.



VOLUTE HYDRAULIC SYSTEM

Noise is reduced by volute hydraulic structure making it turbulence free, and produce lesser noise compare to traditional diffuser type.



DC BRUSHLESS MOTOR

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



EXTERNAL CONTROL

RS485 modbus, Digital input, Analog input, Relay output.



SOFT START

Full protection on electrical system.



QUICK CONNECT

Perfect pairing with Madimack Pool Heater.

Intelligent Full Touch Controller



Start up

Fill the basket with water before starting up the pump. When the power is switched on, the screen will illuminate for 5 seconds.

Up and running

On the first start-up, the system initiates self-priming.

Self-priming:

When switched on for the first time after installation, the pump will start self-priming automatically and followed by self-learning.

The system performs the self-priming in Boost mode, it will count down from 1500s and stop automatically when the system detects the pump is full of water.

Self-learning AI mode:

After the self-priming is completed, the system will perform a self-learning program to define the optimum performance rate. This is done by detecting the system designed pressure including pipe length, size and the filter condition. This will take 180 seconds and will define the range of available flow.



Auto and Manual Inverter Mode

• Auto Inverter Mode:

After setting the water flow, the pump will automatically detect the system pressure and adjust the running capacity. Litres per minute will be constant wont change.

• Manual Inverter Mode:

The running capacity can be set manually according to different application needs. To Reset, just power it OFF, then ON again.

• Timer:

The timer mode can be set when different speeds throughout the day are required. For example if a suction cleaner is used and requires a higher flow rate.

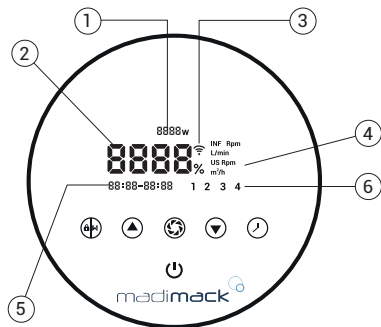
• Backwash:

Start the Backwash procedure by pressing the backwash button (⊖⊕).








Once pressed, the timer will start to countdown. Set the timer to your required backwash time. Once completed, Power Off - Reset filter valve and Switch back On.

Refer to existing filter guide for further details.

Operation



1	Power Consumption
2	Running capacity/ Flow rate
3	WIFI Indicator
4	Unit of flow
5	Timer period
6	Time 1/2/3/4

 Backwash/Unlock		 Auto Inverter mode Selector  Manual Inverter mode Selector	
 UP  Down	To change the value of capacity/ time/ flow		 Timer setting
		 ON/ Off	

Installation

Pump Location

The pump should be installed in an area with at least 150mm distance around the unit away from any obstacles and away from any corrosive products.

Piping

Suction and return connections on the pool pumps are 50mm pressure pipe dimensions.

Valves and Fittings






It is recommended to install isolation valves on the suction and return lines for easier maintenance of the pool pump.

Any valves or fittings should not be within 350mm of the pump, and check valves should be fitted with long pipework.

Adaptive Flow - Perfect Pairing with Madimack Pool Heat Pump

The Perfect Pairing uses the intelligent communication functions of the pool heat pump to activate the speed required for the pool pump ensuring the most efficient solution for your pool and equipment.



1. Switch the pump off with  so only power symbol is illuminated.
2. Press and hold  and  arrows for 4 seconds until "!" is displayed at the top of the display.
3. Use the  or  arrow whilst on "!" to adjust the bottom number (**L/min**) to the optimum flow.

Pool Heater kW size	Optimum Flow rate L/min
9-16	100
17-20	133
21-24	150
25-28	183
29-32	200
33-36	250
37-40	283

