

Arduino water pump, 240 L/H, IP68, for watering aquariums

WPM421

WHADDA
EXCITING ELECTRONICS



Product description

Create your own watering system for plants or an automatic aquarium top-off system with Arduino and this powerful little water pump.

- + Efficient: Powerful flow rate of up to 240 L/H
- + Impressive lifespan: An impressive lifespan of over 30,000 hours.
- + Technology: Powered by a brushless DC motor.
- + STEM project: Develop and improve your STEM skills and acquire the knowledge, skills and experience needed to face the technological challenges of the future with this educational kit. This educational kit will trigger a number of processes such as problem-solving, investigative and creative thinking.
- + Made in Belgium : Whadda is a unique brand from Belgium's Velleman Group that offers DIY projects for hobbyists or makers who want to immerse themselves in electronics, programming and mechanics.



Specifications

Physical properties

Primary colours	Black
Depth unit	51 mm
Height unit	34 mm
Width unit	42.7 mm
Weight unit	80 g

Performance & Technical Specs

Coding skill level	none
Electronics skill level	none
Mechanics skill level	none
Soldering skill level	none
Specifications kits & modules	Specifications

- working voltage range: 5 VDC to 12 VDC
- max. load current: 0.35 A at 12 VDC
- power consumption: 4.2 W at 12 VDC
- max. horizontal flow rate: 240 L/H (63 gal/H)
- max. static lift: 3 m (118")
- noise class: <40 dB
- waterproof class: IP68
- life span: > 30.000 hrs
- external diameter of outlet: 8 mm (0.31")
- external diameter of inlet: 8 mm (0.31")
- driving mechanism: brushless DC motor
- pump shell material: ABS
- max. working temperature: 60 °C (140 °F)
- conditions of use: can continuously work, submersible or land use (not self-priming)

Velleman vs. Whadda SKU

[overview file](#)

Bar code

- Bar code (EAN-13):5410329725471