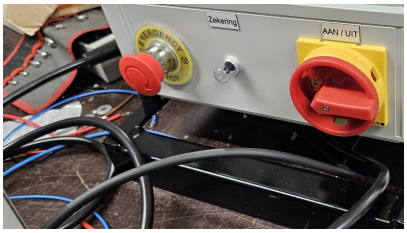
De Aalscholver

Technical data of the generator-powered electrofishing unit



Technical data

Type	De Aalscholver, electrofishing unit for connection to a generator
Output voltage (landing net)	0–350 V DC, infinitely variable
Current type	Direct current or pulsed current (switchable)
Output power	approx. 3 kW
Maximum current	approx. 15 A
Pulse frequency	approx. 110 Hz
Main fuse	15 A
Control unit dimensions (l × w × h)	30 × 50 × 18 cm
Weight	12 kg control unit; approx. 72 kg with generator
Degree of protection, control unit	IP44 (splash-proof)
Safety class	Class II, CE
Standards and directives	Machinery Directive 2006/42/EC, Low Voltage Directive and EMC Directive; EN 60335-2-86 (electric fishing machines)
Generator (complete set)	4 kW petrol generator, standard type EP4100
Requirements for own generator	At least 4 kW, max. 250 V AC, max. 55 Hz

Components

Control unit	Waterproof and safely insulated; converts the generator supply voltage into an adjustable fishing voltage.
Hand anode (+)	Landing net frame 40 cm wide with net, 2 m HP pole, 5 m insulated cable, waterproof plug.
Cathode (–)	1.5 m stainless steel cable on 5 m insulated cable, waterproof plug. Hangs under water behind or beside the boat.
Foot pedal	Air pedal with 2 m air hose; electric foot pedal on request. Dead man's control.
Generator	Supplied with the complete set; also available without generator.

Controls

- Voltmeter and ammeter; infinitely variable voltage control
- Lockable main switch; direct/pulsed current selector
- Emergency stop (switches off the control unit, not the generator)
- Flashing beacon: on when the unit is active
- Waterproof sockets for anode, cathode and foot pedal

Maintenance

- Annual inspection mandatory (to be carried out by AVASTO)
- Check the emergency stop function every month
- Maintain the generator in accordance with the manufacturer's manual
- Store dry; during maintenance disconnect the power supply and set the main switch to 0

Safety

- Fishing voltage only active while the foot pedal is pressed
- Fishing from a boat with at least 2 persons: the operator works the pedal, the second person can operate the emergency stop
- Only from a polyester or equally insulating boat with an insulating floor
- Stop fishing when third parties come within 50 m and when it rains
- Wear insulating boots and gloves; only for users who have completed an electrofishing course

Warranty: 1 year. All deliveries are subject to the Metaalunie terms and conditions.