

HELIOS

Live fish grader



• Helios 300



• Helios 30

Helios 30 (3ch.)

Helios 300 (5ch.)

HELIOS 30 - 300 grader : for smolts

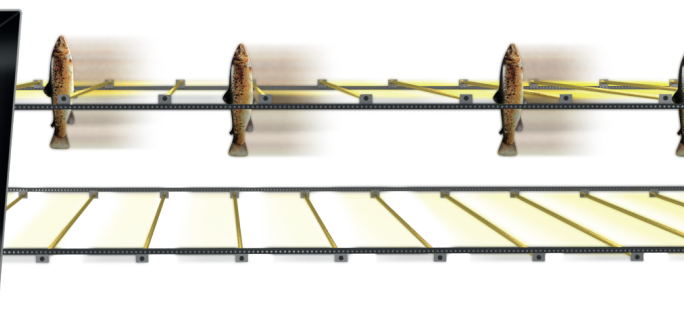
5 g - 800 g
3 or 5 channels
3 or 4 sizes

HELIOS 30 - 300 is a high precision grader with a huge capacity. It is made to efficiently grade smolts, Sea Bass, Sea Bream, Tilapia, Trout, etc...
Light and easy to handle, HELIOS 30 - 300 is adapted to every situation.
An essential machine for every fish farm.

Compact and light graders

- ✓ 3 or 5 grading channels of 2000 mm length.
- ✓ 6 or 8 x Ø 160 mm outlets on both side.
- ✓ Made of polyester and AISI 316L/AISI 304L Stainless steel.
- ✓ An elaborate watering system fitted with adjustment valves.
- ✓ A grader fitted with the performing SPS Technology made for a high speed grading without injury.
- ✓ Electronic adjustable grading speed

Helios 30 working on sea cages

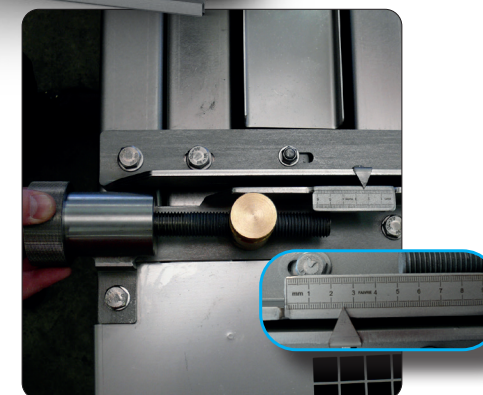


Emergency stop

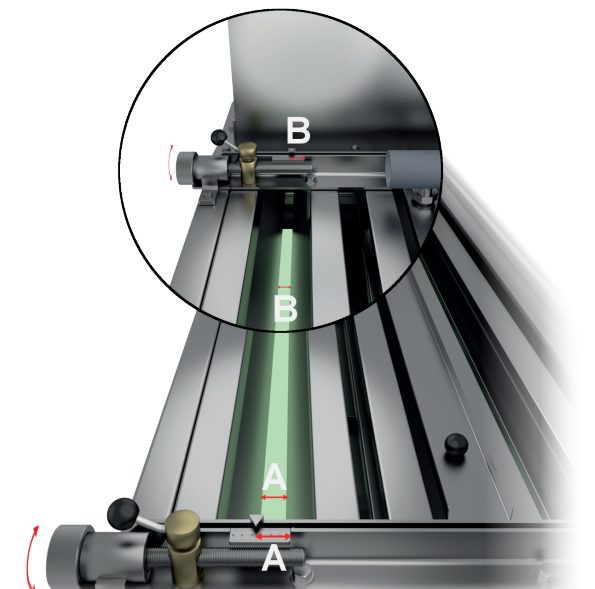
Grading speed

Main switch

Fish grader IP 67 electric panel.

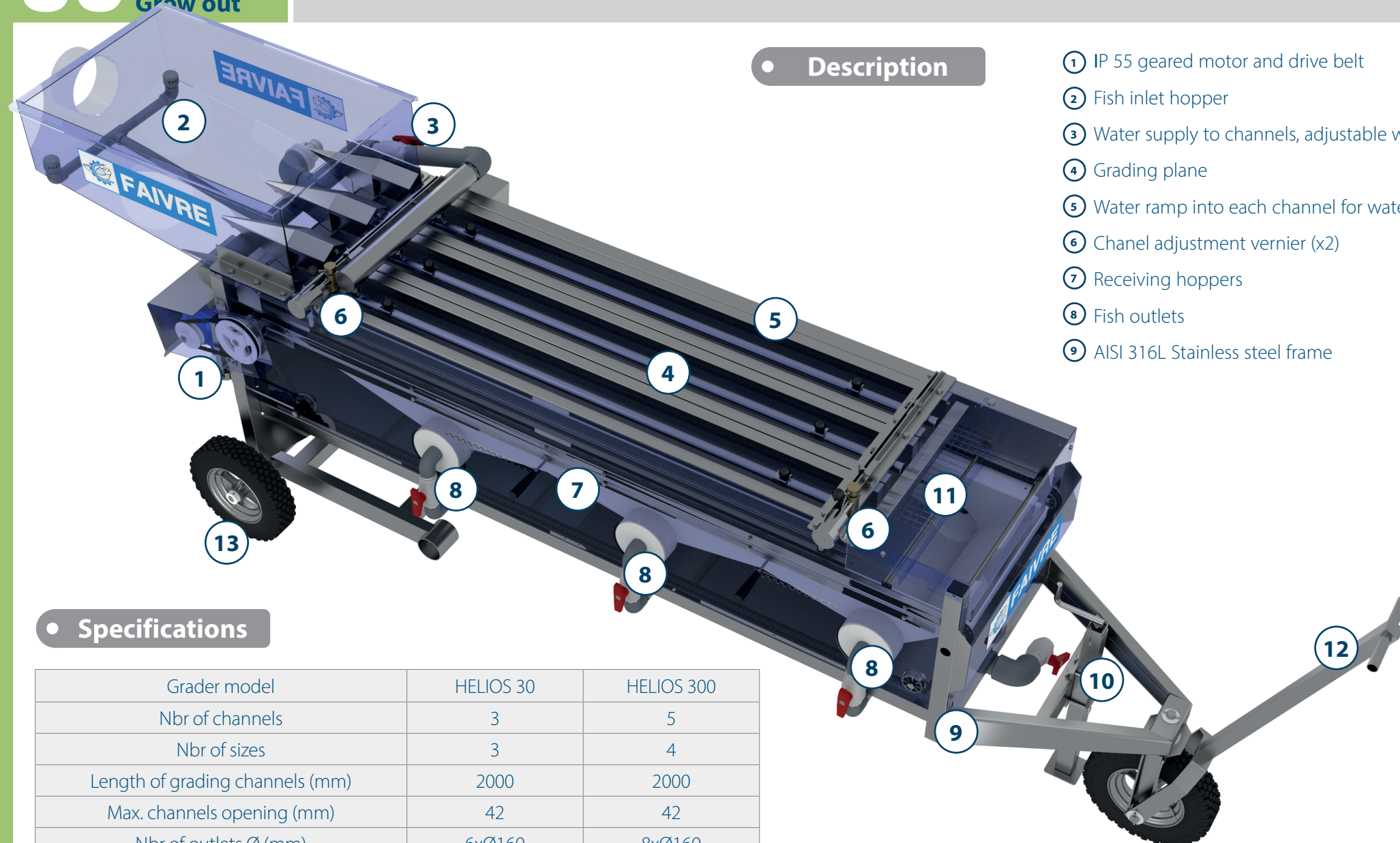


Accurate adjustment vernier



Description

- ① IP 55 geared motor and drive belt
- ② Fish inlet hopper
- ③ Water supply to channels, adjustable with a valve
- ④ Grading plane
- ⑤ Water ramp into each channel for watering fish
- ⑥ Chanel adjustment vernier (x2)
- ⑦ Receiving hoppers
- ⑧ Fish outlets
- ⑨ AISI 316L Stainless steel frame
- ⑩ Front lifting jack
- ⑪ Fish conveying fingers
- ⑫ Towbar
- ⑬ Inflatable tires Ø400mm



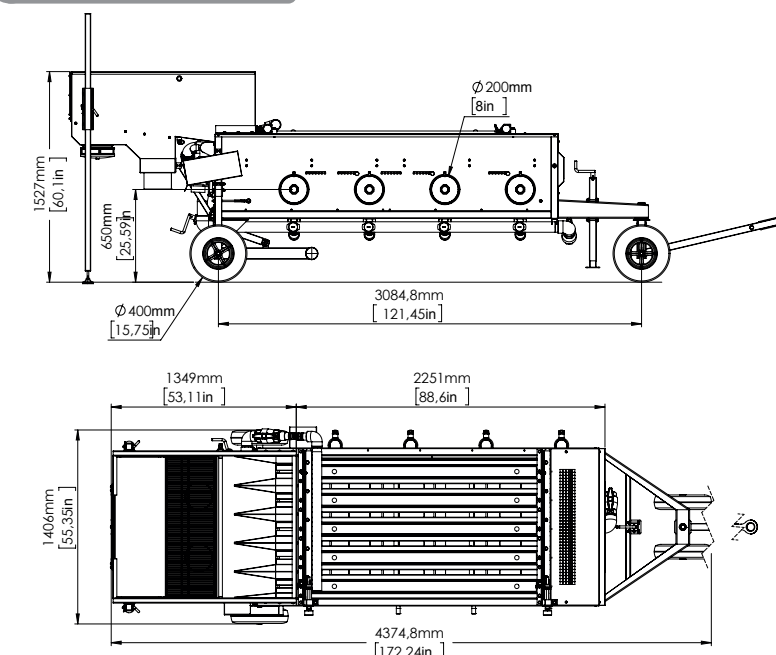
Specifications

| Grader model | HELIOS 30 | HELIOS 300 |
|---|---------------|---------------|
| Nbr of channels | 3 | 5 |
| Nbr of sizes | 3 | 4 |
| Length of grading channels (mm) | 2000 | 2000 |
| Max. channels opening (mm) | 42 | 42 |
| Nbr of outlets Ø (mm) | 6xØ160 | 8xØ160 |
| Weight min. - max. (Trout/Salmon) | 5 g - 800 g | 5 g - 800 g |
| Weight min. - max. (Bass/Bream/Tilapia/Carp) | 5 g - 400 g | 5 g - 400 g |
| Hourly rate (tons/hour) | 2 - 4 | 3 - 6 |
| Grader weight (kg) | 430 | 620 |
| Height (m) | 1,3 | 1,5 |
| Motor power 220 V 1ph (50 Hz/60 Hz) / 380 V 3ph (50 Hz/60 Hz) | 0,25 kW | 0,37 kW |
| Advice pump flow (m3/h) | 30 | 40 |
| Reference | TH3036 | TH3056 |

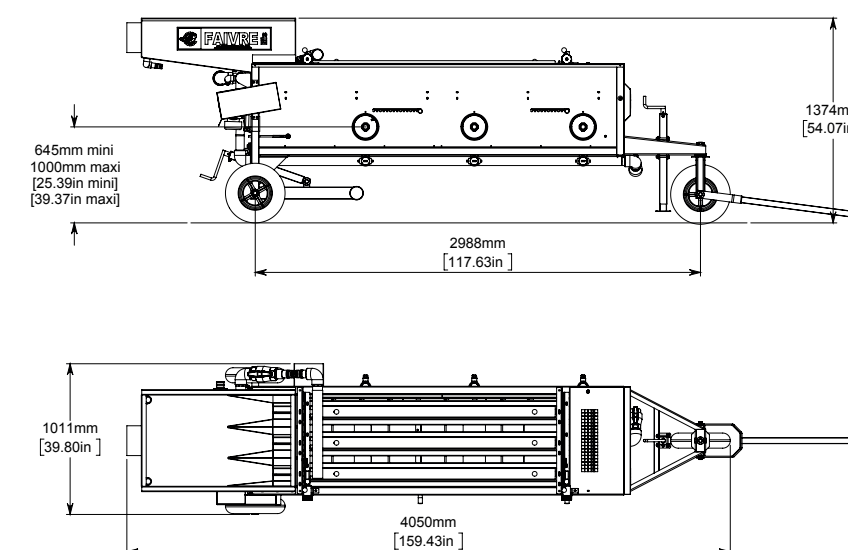
The grader motors are available in 4 supply voltages (add the desired voltage reference to the grader reference for your requests):

- Three phases 342 - 528 V 50/60 Hz Ref. : **400T**
- Three phases 180 - 264 V 50/60 Hz Ref. : **230T**
- Single phase 180 - 264 V 50/60 Hz Ref. : **230M**
- Single phase 110 V 50/60 Hz Ref. : **110M**

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Helios 30



• **OPTIONS**

Control box «Packcontrol»

This option considerably reduces the cables left on the ground. Each equipment can be directly connected to this electrical cabinet, which is attached to the sorter. The box allows you to connect and control:

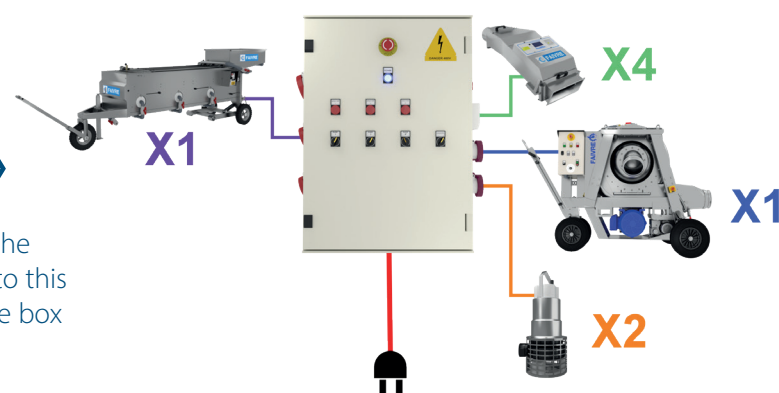
- 1 grader
- 2 water pumps
- 1 fish pump
- 4 counters.

The front panel switches allow each device to be turned on or turned off separately. Thermal circuit breakers ensure the protection of each piece of equipment. A differential switch protects the operators.

Ref. :

- 3 x 342 - 525 V 50/60 Hz inlet voltage Ref. : **THC0024**
- 3 x 164 - 264 V 50/60 Hz inlet voltage Ref. : **THC0022**
- 1 x 230 V 50/60 Hz inlet voltage Ref. : **THC004***

* water pump max. 2,2kW with a single phase



Universal dewatering hopper

This universal dewatering hopper allows you to connect a Pescavac pump or an elevator or a Pescamotion pump.

For Helios 30 grader :
- Ø fish pump pipe 6"
Ref. : **TH303DEWU**

For Helios 300 grader :
- Ø fish pump pipe 6"
Ref. : **TH305DEWU**



Water pump for grader

A suitable water pump must be connected to the grader in order to grade the fish without damage. We can offer you a Stainless steel submersible pump adapted to your machine. This pump has a Stainless steel strainer to suck the fish, it is delivered with 2.5 m of flexible hose and fittings adapted to the grader.

For Helios 30 grader

- Pump flow 30 m³/h supply voltage 0,75 kW 1 x 230 V 50 Hz Ref. : **TPOW30I6M5**
- Pump flow 30 m³/h supply voltage 0,75 kW 3 x 400 V 50 Hz Ref. : **TPOW30I6T5**

Accessories

- 5m flexible hose Ø50mm (2 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK50**

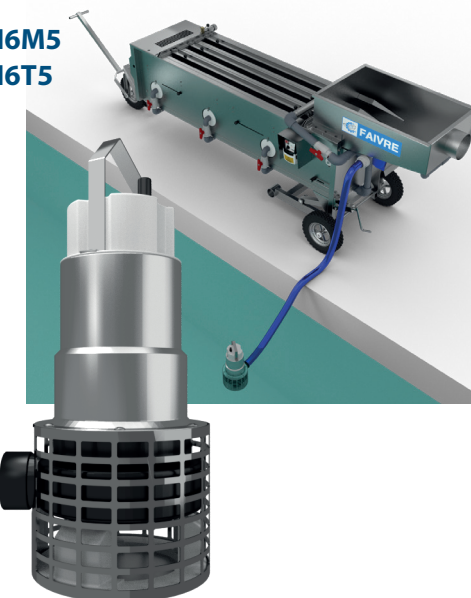
For Helios 300 grader

- Pump flow 40 m³/h supply voltage 1,1kW 1 x 230 V 50 Hz Ref. : **TPOW40I6M5**
- Pump flow 40 m³/h supply voltage 1,1kW 3 x 400 V 50 Hz Ref. : **TPOW40I6T5**

Accessories

- 5m flexible hose Ø60 mm (2,5 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK60**

60 Hz pump on request



Adapters

The inlet of the dewatering hopper of the graders is a 6" (150 mm) male cam lock. If you want to connect a 4" or 8" hose to this hopper, you need an adapter.

To connect a 4" (100mm) pipe to the dewatering hopper

- 6" female to 4" male aluminum reduction Ref. : **PH061102**

To connect an 8" (200 mm) pipe to the dewatering hopper

- 8" female to 6" male aluminum reduction Ref. : **PH061111**

