



# Dredger



NETHERLANDS



## C91 Multipurpose dredger



The C91 is the latest addition to the series of dredging boats from Conver. For more than 30 years, Conver has been producing high-quality solutions for small-scale dredging on site. With the arrival of the C91 multifunctional dredging boat, the diverse product range has been further supplemented.

The Conver C91 is a dredger for smaller waterways, canals and lakes. Thanks to the CW10 quick coupling system, various tools can be connected to the implement carrier, such as: dredge pump, mowing bucket, flail mower and dredger. The C91 has two outriggers, two at the front with detachable floats and one - two removable tilting spuds. The masts have a length of 4 to 6 m. For the drive, the boat is equipped with a double anti-winding auger that is hydraulically adjustable in height and can be folded up. The C91 comes standard with the luxury cabin and side pontoons.

### Technical specifications

Dimensions in transport without boom (LxWxH)	12,00 x 3,40 x 3,39 m
Dimensions in transport (LxWxH)	19,00 x 3,40 x 3,39 m
Dimensions in the work (LxWxH)	18,69 x 10,95 x 3,11* m (height above water)
Pontoons Transport dimensions (LxWxH)	6,08 x 0,54 x 2,04 m
Material	Profiled steel St52
Dry weight	Approx. 14.500 kg, depending on configuration
Colour	Orange RAL 2004 and grey RAL 7012
Draft	45 cm
Engine	FPT / N67 MNT M28, 6 cylinder Diesel engine, 280HP, Turbo-charged
Emission class	Tier IIIA and up
Cooling system	Keel cooling
Battery	12 V, 85 Ah
Propulsion	Double anti-coiling auger, hydraulically foldable and height adjustable (electric joystick)
Pumps	1 x Load Sensing pump 130 cc, 1 x gear wheel pump 11.2 cc
Fuel tank	350 l
Hydraulic tank	330 l
Hydraulic oil	Mobil Unisys N46 / Bio-oil EAL 46
Crew	Min. 1 operator
Crane coupling	CW10 quick coupler
Max. lift load crane	1.600 kg (using support legs)
Max. slewing range crane	190 degrees
Support legs	Retracted 4,00 m / Extended 6,00 m

## Basic version

- Anti-slip deck and galvanized hand railings
- Fritzmeier cabin incl. heater, air conditioning, panoramic window, lights, window washer.
- Comfortable adjustable operators' seat with joystick steering in the armrests
- Navigation lighting (comply with Dutch guidelines)
- Engine monitoring system, hour counter, fuel gauge and rudder centre position indicator on dashboard
- Forced ventilation in engine room
- Electro proportional controls
- Work lights front and rear
- Side pontoons for extra stability
- Lifting eyes for C91 and pontoons
- Minimum Sailing Speed w/ propulsion system, knots - 4
- Propulsion system designed to provide maximum power with minimal disruption
- Propeller can be raised in shallow water to protect aquatic vegetation & avoid disturbing riverbed sediment

### C91 Basic version excluding options and implements

#### Setup Configuration list

#### **Oil**

- |   |            |
|---|------------|
| <input type="checkbox"/> 50261-106 Hydraulic oil N46            | Standard   |
| <input type="checkbox"/> 50261-107 Bio-degradable oil EAL46     | Optional   |
| <input type="checkbox"/> 50261-108 Bio-degradable oil HLP Synth | Optional   |
| <input type="checkbox"/> 50261-121 Customized                   | on request |

#### **Propulsion**

- |  |          |
|--|----------|
| <input type="checkbox"/> 50180-100 Double anti coiling augers, Ø 400 mm S235   | Standard |
| <input type="checkbox"/> 50185-100 Double anti coiling augers, Ø 400 mm HARDOX | Optional |
| <input type="checkbox"/> 50182-100 Double anti coiling augers, Ø 600 mm S235   | Optional |
| <input type="checkbox"/> 50187-100 Double anti coiling augers, Ø 600 mm HARDOX | Optional |

#### **Colour**

- |   |          |
|---|----------|
| <input type="checkbox"/> conver Hull RAL 2004 (orange) and implements RAL 7012 (grey) | Standard |
| <input type="checkbox"/> klant Customized hull colour. RAL_____                       | Optional |

#### **HULL**

- ☐ One (1) piece hull divided into seven (7) watertight compartments
- ☐ Painted, corrosion resistant, outside and inside
- ☐ With protective bars on bottom
- ☐ Fitted with slip-safe deck and handrails

#### **STABILIZER**

- ☐ Equipped with two (2) front stabilizers with detachable floats and removable tilting spuds
- ☐ Minimum Spud Depth, m. - 6.0
- ☐ Depth control by means of hydraulic cylinder or mechanical control

#### **EXCAVATOR**

- ☐ Minimum swing angle, degrees - 160
- ☐ Digging reach, meters [min] = 4.5
- ☐ Minimum bucket breakout force, KN - 75
- ☐ Equipped with discharge line
- ☐ Fitted with quick coupling for working attachments

#### Options

- |   |          |
|---|----------|
| <input type="checkbox"/> 50578-103 3x C91 Bilge pump incl. 3 alarms                           | Optional |
| <input type="checkbox"/> 50578-108 Deck washing system, hydraulic, incl. 10 m hose and nozzle | Optional |
| <input type="checkbox"/> 50446-102 Acoustic and optical signal for hydraulic oil level        | Optional |
| <input type="checkbox"/> 50446-103 Radio/CD/USB with speakers                                 | Optional |
| <input type="checkbox"/> 50578-101 Water absorption filter in hydraulic oil system            | Optional |
| <input type="checkbox"/> 50578-107 Cathode protection (aluminium anodes)                      | Optional |
| <input type="checkbox"/> 701499 SWL (Safe Working Load) lifting set                           | Optional |
| <input type="checkbox"/> 50578-102 Fuel filling system  | Optional |

Implements

**Dredge pumps**

- ☐ 50306-100 Dredge pump with cutter

**HY85/160B**

- ☐ Discharge 10" (254mm)
- ☐ Max Pressure, 300 bar
- ☐ Capacity: 2025 gpm
- ☐ Capable to pump spoils in a minimum distance of 1,000 m
- ☐ Capable for dredging silt, sand, mud and sludge



Optional

Optional

Optional

Optional

Optional

Optional

**Option:**

- ☐ 75 pcs, 6m Length x 10" discharge pipe w/ flange (HDPE)
- ☐ 75 pcs, floaters pipes, 5m length with attachment straps 4-pcs/pipe, length h 5.5 meters
- ☐ 2 pcs, Dredge Hose with Flange (length, 2m)

Optional

Optional

**Clamshell buckets**

- ☐ Capacity 600L



Optional

**Backhoe Dredging bucket with teeth**

- ☐ 109283 Backhoe bucket 600L



Optional

**Mowing bucket**

- ☐ 109294 Mowing bucket CW10 3.00 m

Optional

**Flail mower**

- ☐ 109293 Flail mower 1.30 m. With heavy-duty wood flails and CW10 coupling

Optional

**Uprooter**

- ☐ Uprooter 2.10 m, 27 teeth. With CW10 coupling

Optional

**Dredging Rake (l- 2750mm, h- 900mm)**

- ☐ For removal of soil with reed, roots and other vegetation

Optional







Encircled part is the detachable floater near the hull for easy transport

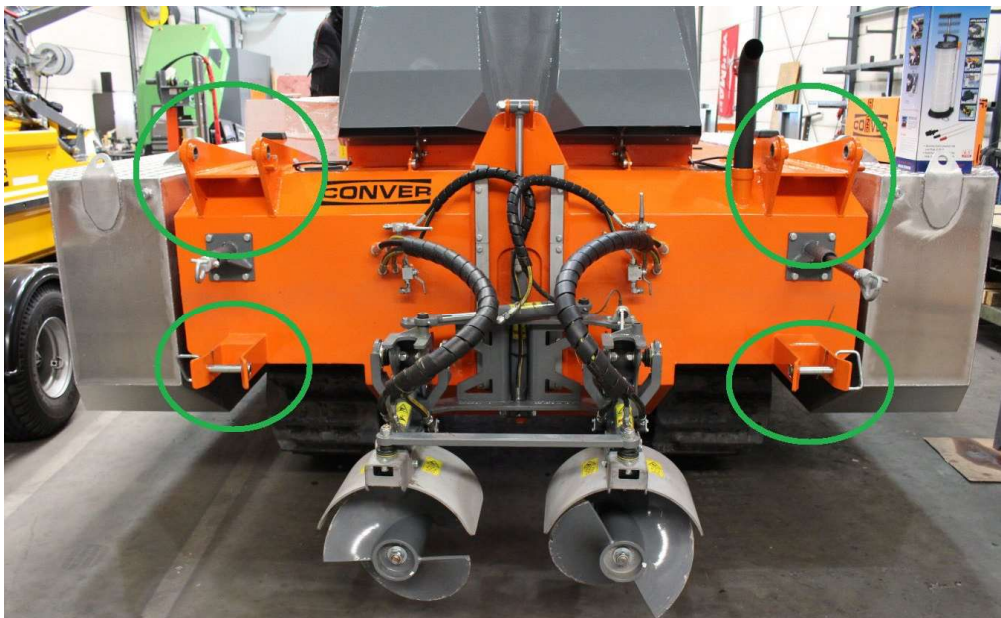


Removable Tilting Spud (Sample Only – Not the actual Unit)

July 27, 2021



Spudpole unit in working position (Sample Only – Not the actual Unit)



Attachment points of spud poles (Sample Only – Not the actual Unit)



July 27, 2021



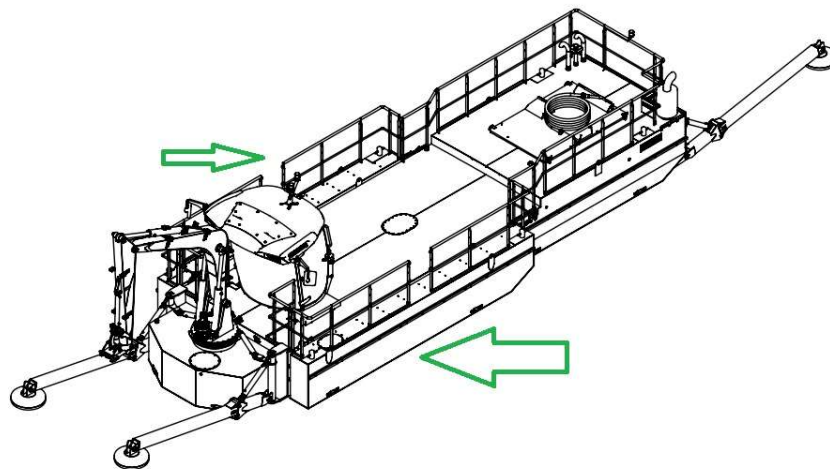
Easy to take off the stabilizer (Stabilizer Mechanism)



July 27, 2021



This is the Floater in the stabilizer, as you can see there is a pin so it is detachable.



Our standard has two (2) front stabilizers and one (1) at the rear. We can also so make it two (2) front stabilizers and 1 - 2 tilting spuds in the rear only upon request.

\*\*\*Nothing Follows\*\*\*





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Conver maakt samen met Herder, Precision Makers, Roberine en Votex deel uit van Dutch Power Company.

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