

CONVER® DREDGERS C86xs Siltpusher



The C86xs siltpusher is developed for dredging of smaller water courses. Siltpushers are suitable for pushing organic silt, not so much for pushing sand or other types of sediment. The C86xs is compact and robust and features a double hydraulic winch with auto-spooling system. The operator is located in an ergonomically laid out cabin tub, which separates the operator from heat and noise emissions from the engine and hydraulic system.

Technical specifications:

Dimensions (LxWxH)	8,4 x 1,6 x 1,6 m (operation), 6,2 x 2,0 x 1,6 m (transport)
Hull (LxWxH)	4,0 x 1,55 x 1,1 m
Material	3 mm St52
Weight	2.850 - 3.100 kg
Draft	approx. 0,45 m
Colour	Orange RAL2004 and Grey 7012
Engine	Yanmar 3TNV88, 3 cylinder 27 kW diesel
Emission class	EU stage IIIA
Fuel consumption	3 - 4,5 L/hr
Cooling system	Radiator
Electrical installation	12V
Propulsion	Double hydraulic winch with auto-spooling system Forward winch 3.000 kg, 10mm 6x36stk 150m, 12 m/min Reverse winch 1.500 kg, 8mm 6x36stk 170m, 24 m/min Height adjustable rear arm with a steering angle of 2x 50°
Steering	1x Load Sensing and 1x gearwheel pump, (semi-)proportional valves
Hydraulic installation	
Fuel tank	80 L
Hydraulic tank	90 L with suction- and return filters and integrated oil cooler
Hydraulic oil	Univis N46
Speed	n.a.
Crew	1 person

C86xs Siltpusher

Standard version includes:

Push blade type 101512
Rear scraper blade (detachable)
Adjustable comfort set with armrests
Engine control panel with hour counter, fuel gauge and winch pressure gauge
Acoustic warning for oil pressure and cooling water temperature
Anti-vandalism cover over the cabin
12V connection in dashboard
4x Lifting eyes

C86xs silt pusher, excl. options

Options:

- Toolbox, incl. grease gun
- Mechanical bilge pump
- Work lights, front and rear
- Radio/Cd-player with speakers
- Bio-degradable oil Mobil AEL46

- Water absorbing filter type NTZ
- Heater on engine coolant
- Convertible cabin, PVC
- Set aluminum pontoons (L155xW30xH55cm)
- Tail wheel, separate delivery

- Set transport wheels and tail wheel, incl. towing beam
- Single adjustable anti-coiling auger, incl. servo lever in arm rest

Push blades:

Type	Min.-max. working	Max. working depth
101512	1.0 - 3.8	1.3
101912	1.0 - 4.5	1.3
102512*	1.0 - 5.6	1.3

* For application of push blade type 102512 the optional pontoon set is highly recommended.

C86xe Silt Pushing Boat

The small Conver C86xs Silt pushing boat is also available with an **electric motor**. The diesel engine is replaced by an electric motor to drive the hydraulic pumps. All controls stay low pressure hydraulic remote control. The electric motor has to be fed by a generator from a pontoon or from the bank. This turns the pushboat into a whisper quiet boat with zero emission. Therefore the C86xe can be used under special circumstances. Optionally the system can be built according to ATEX specifications which makes it useful under the most extreme circumstances.

C86xe electric silt pusher, excl. options

CONVER® DREDGERS C86s Siltpusher



The C86s siltpusher is developed for dredging of ditches, canals and ponds. The siltpusher is suitable for pushing organic silt, not so much for pushing sand or other types of sediment. The C86s is a proven design of robust construction and features two winches with auto-spooling system and a quick coupling dozer blade.

Technical specifications:

Dimensions (LxWxH)	10,5 x 1,8 x 1,3 m (operation), 8,4 x 2,0 x 1,3 m (transport)
Hull (LxWxH)	5,5 x 1,7 x 0,8 m
Material	3 mm St52
Weight	5.250 - 5.500 kg
Draft	approx. 0,45 m
Colour	Orange RAL2004 – Grey RAL7012
Engine	Hatz 3L41C, 3 cylinder 31 kW diesel
Emission class	EU stage IIIA
Fuel consumption	5 - 6,5 L/hr
Cooling system	Air cooled
Electrical installation	12V
Propulsion	Two hydraulic winches with auto-spooling system Forward winch 5.000 kg, 12mm 6x36stk 240m, 12 m/min Reverse winch 2.500 kg, 10mm 6x36stk 260m, 24 m/min
Steering	Height adjustable rear arm with a steering angle of 2x 50°
Hydraulic installation	1x Load Sensing and 1x gearwheel pump, (semi-)proportional valves
Fuel tank	80 L
Hydraulic tank	90 L with suction- and return filters and oil cooler
Hydraulic oil	Univis N46
Speed	n.a.
Crew	1 person

C86s Siltpusher

Standard version includes:

Push blade type 151913
 Rear scraper blade (detachable)
 Adjustable comfort set with armrests
 Engine control panel with hour counter, fuel gauge and winch pressure gauge
 Anti-vandalism cover over the cabin
 12V connection in dashboard
 4x Lifting eyes

C86s silt pusher, excl. options

Options:

- Toolbox, incl. grease gun
- Mechanical bilge pump
- Work lights, front and rear
- Radio/Cd-player with speakers
- Bio-degradable oil Mobil AEL46

- Water absorbing filter type NTZ
- Double Faster quick coupling system for push blade hydraulics
- Convertible cabin, PVC
- Webasto heater
- Tail wheel, separate delivery

- Set transport wheels, incl. towing beam
- Set pontoons (L225xW50xH75cm, in aluminum or steel)
- Parallel-armset, excl. hydraulic cylinders
- Parallel-armset, incl. hydraulic cylinders
- Double adjustable anti-coiling augers, incl. servo lever in arm rest
- Fixed cab with safety glass, windscreen wipers and work lights

Push blades, excl. parallel-armset:

Type	Min.-max. working	Max. working depth
111913	1.2 - 4.6	1.5
112513	1.2 - 5.8	1.5
113313	1.2 - 7.2	1.5
151913	1.6 - 5.0	1.7
152513*	1.6 - 6.2	1.7
153313*	1.6 - 7.6	1.7
153316*	1.6 - 7.6	2.0
211913*	2.2 - 5.6	1.7
212513*	2.2 - 6.8	1.7
213313*	2.2 - 8.2	1.7
213316*	2.2 - 8.2	2.0

A C86s siltpusher is standard equipped with a type 151913 push blade. The other available push blades are priced as mentioned above. In case a new C86s needs to be equipped with an optional blade, the price difference can be calculated from the above listing. (in the type 13 means a height of the blade of 130 cm, 16 means 160 cm).

All blades indicated with * must be used in combination with the optional pontoon set.

C86s Siltpusher

Deep pushing set for silt pushing to 300 cm below water level:

To be used in combination with the 1,60m high blades (blade not included).

This set consists of:

1.
 - Extended parallel arm set (approx. 1,1m longer).
 - lower arm with integrated buoyancy tank
 - two extended parallel arms with integrated cylinders
 - bigger cylinders with increased stroke
 - a higher cable duct to be bolted onto the standard push blade
 - extension set of the hydraulic hoses
2.
 - Side pontoon set extra-large (L300xW75xH75cm in aluminum or steel)

CONVER® DREDGERS C87s-6" CSD Cutter Suction Dredger



Compact suction dredger with hydraulically driven cutter head and slewing ladder, making it suitable for operation in narrow water courses. Grade "A" components like the Damen BP1515 dredge pump, a comfortable heated cabin, fully equipped with joystick controls. Equipped with the optional auger drive unit, the dredger can move by itself.

Technical specification:

Dimensions (LxWxH)	11,5x 3,0 x 2,2 m
Hull (LxWxH)	6,5 x 2,9 x 1,1 m
Material	4 mm St52
Weight	approx. 10.000 kg
Draft	0,50 m
Colour	Green RAL6026/ Grey RAL7012, White RAL 9010
Engine	Perkins sabre M150Ti, 6 cylinder 110 diesel
Emission class	EU stage IIIB
Fuel consumption	20 - 30 L/hr
Cooling system	Bundle cooling
Electrical installation	12V
Propulsion	n.a.
Hydraulic installation	1x Load Sensing pump, (semi-)proportional valves
Dredge pump	BP1515 with mechanical seal, 6"-150mm suction and discharge, mechanic drive via gearbox
Cutter	660mm, 0-40 rpm, 5 kW
Dredging depth	3,4 m maximal
Winches	4x hydraulic drive 1.500 kg pull, 8 mm 6x36stk 125m, 12 m/min
Fuel tank	200 L
Hydraulic tank	200 L with suction and return filter and integrated oil cooler
Hydraulic oil	HP46
Speed	n.a.
Crew	1 person

C87s-6" CSD Cutter Suction Dredger

Standard version includes:

Slewing ladder 2x with 30° adjustable cutter head angle
Heated hard-top cabin with wiper on front window
Engine control panel with hour counter, rev. counter and fuel gauge
Pressure gauges for suction-, discharge side, cutter motor and winches
Adjustable comfort seat with armrests
Servo joystick controls in armrests
Mechanical depth indicator
Radio/Cd player with speakers
4x work lights on cabin
Lights in cabin, pump- and engine room
Mechanical bilge pump with manifold in pump room

C87s-6" cutter suction dredger, excl. options

Options:

- Electrical bilge pump
- Rainbow nozzle
- Water absorbing filter type NTZ
- Cathodic protection (aluminum anodes)
- Navigation lights

- Bilge warning system (visual and audible) in each compartment
- Bio-degradable oil Mobil EAL N46
- RPH-pontoon coupling system on the sides (2x3 pcs)
- A/C in cabin
- Single hydraulic auger drive unit

- 2x Tilting spuds instead of 2 winches (front and rear)

Dredging accessories:

Flexible discharge hoses, rubber, 2,0, 5,8 or 11,8 m long
Inner diameter Ø200 mm with "double action" flanges Ø340mm,
8x 23mm holes on 295mm pitch, WP 10 Bar, BP 30 Bar, lining 6mm
Discharge pipe, HDPE, 5,8 or 11,8 m long, PE100 PN8 SDR 21 thickness 10,8mm,
Inner diameter Ø203,4 mm, with welded collars and rotating flanges Ø340mm,
8x 23mm holes on 295mm pitch, O-ring groove on one side

Float type FD 60/22, Ø600 x Ø220 x L 700mm, thickness 7mm
Incl. galvanized bolts, nuts and rings M20x120mm
Locking set for floats

CONVER® DREDGERS C87s-8" CSD Cutter Suction Dredger



Compact suction dredger with hydraulically driven cutter head and slewing ladder, making it suitable for operation in narrow water courses. Grade "A" components like the Damen BP2020 dredge pump, a comfortable heated cabin, fully equipped with joystick controls. Equipped with the optional auger drive unit, the dredger can move by itself.

Technical specification:

Dimensions (LxWxH)	15,5x 3,0 x 2,2 m
Hull (LxWxH)	8,5 x 2,9 x 1,1 m
Material	4 mm St52
Weight	approx. 15.000 kg
Draft	0,60 m
Colour	Green RAL6026, Grey RAL7012, White RAL9010
Engine	Perkins-Sabre M215C, 6 cylinder 156 kW diesel
Emission class	EU stage IIIB
Fuel consumption	35 – 40 L/hr
Cooling system	Bundle cooling
Electrical installation	24V
Propulsion	n.a.
Hydraulic installation	1x Load Sensing pump, (semi-)proportional valves
Dredge pump	BP2020 with mechanical seal, 8"-200mm suction and discharge, mechanic drive via gearbox
Cutter	660mm, 0-80 rpm, 8 kW
Dredging depth	3,5 m maximal, excluding extensions
Winches	2x hydraulic drive 1.500 kg pull, 8 mm 6x36stk 125m, 12 m/min
Fuel tank	340 L
Hydraulic tank	200 L with suction and return filter and integrated oil cooler
Hydraulic oil	HP46
Speed	n.a.
Crew	1 person

C87s-8" CSD Cutter Suction Dredger

Standard version includes:

Slewing ladder with adjustable cutter head angle
Heated hard-top cabin with wiper on front window
Engine control panel with hour counter, rev. counter and fuel gauge
Pressure gauges for suction-, discharge side, cutter motor and winches
Adjustable comfort seat with armrests
Servo joystick controls in armrests
Mechanical depth indicator
Radio/Cd player with speakers
4x work lights on cabin
lights in cabin, pump- and engine room
Mechanical bilge pump with manifold in pump room

C87s-8" cutter suction dredger, excl. options

Options:

- Electrical bilge pump
- Rainbow nozzle
- Water absorbing filter type NTZ
- Cathode protection (aluminum anodes)
- Navigation lights

- Bilge warning system (visual and audible) in each compartment
- Bio-degradable oil Mobil EAL N46
- RPH-pontoon coupling system on the outside of the hull (2x3 pcs)
- Ladder extension 2,0m (0,8m extra dredge depth)
- A/C in cabin

- Single hydraulic auger drive unit
- 2x additional tilting spuds

Dredging accessories:

Flexible discharge hoses, rubber, 2,0, 5,8 or 11,8 m long
Inner diameter $\varnothing 225$ mm with "double action" flanges $\varnothing 340$ mm,
8x 23mm holes on 295mm pitch, WP 10 Bar, BP 30 Bar, lining 6mm
Discharge pipe, HDPE, 5,8 or 11,8 m long, PE100 PN8 SDR 21 thickness 10,8mm,
Inner diameter $\varnothing 226,4$ mm, with welded collars and rotating flanges $\varnothing 340$ mm,
8x 23mm holes on 295mm pitch, O-ring groove on one side

Float type FD 60/22, $\varnothing 600$ x $\varnothing 250$ x L 700mm, thickness 7mm
Incl. galvanized bolts, nuts and rings M20x120mm
Locking set for floats